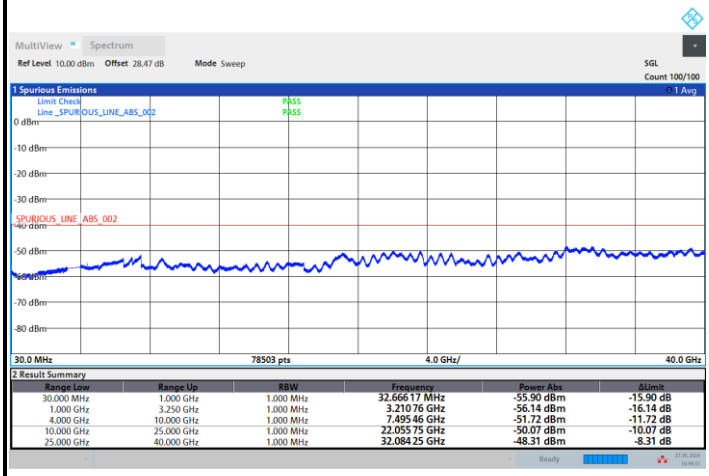
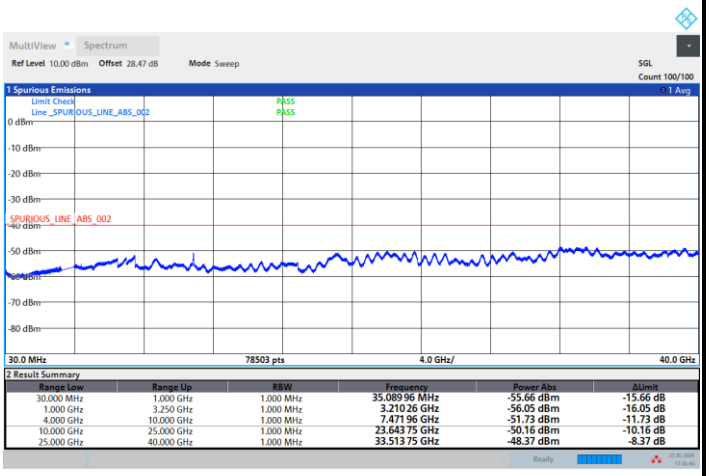
FR1 n48 / 10MHz+20MHz / QPSK / CSE

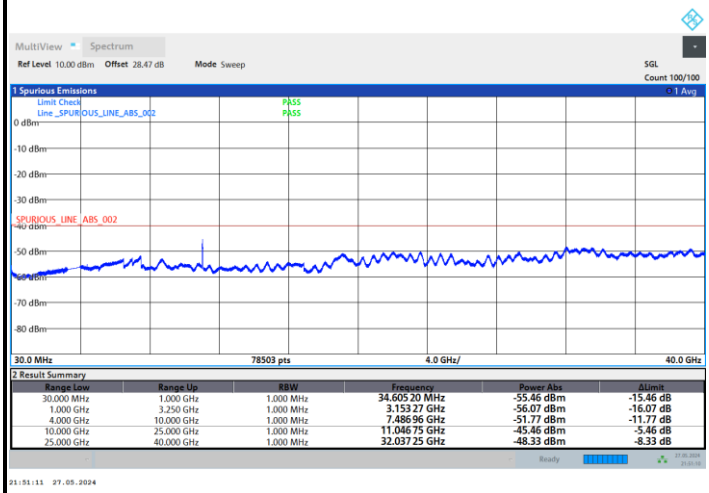
Lowest Channel



Middle Channel

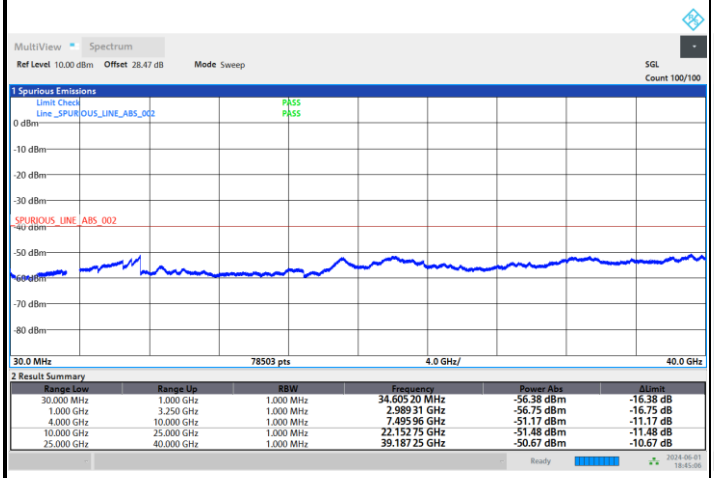


Highest Channel



FR1 n48 / 10MHz+40MHz / QPSK / CSE

Lowest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	34.605 20 MHz	-56.38 dBm	-16.38 dB
1.000 GHz	3.250 GHz	1.000 MHz	2.989 31 GHz	-56.75 dBm	-16.75 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.495 96 GHz	-51.17 dBm	-11.17 dB
10.000 GHz	25.000 GHz	1.000 MHz	22.152 75 GHz	-51.48 dBm	-11.48 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.187 25 GHz	-50.67 dBm	-10.67 dB

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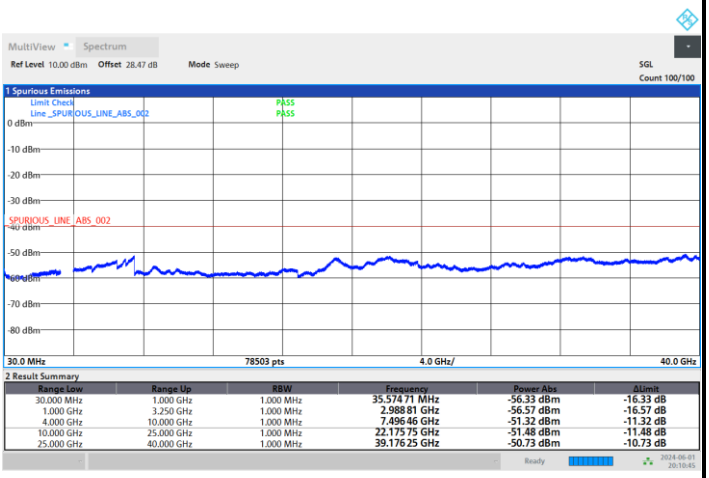
Middle Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	35.574 71 MHz	-56.33 dBm	-16.33 dB
1.000 GHz	3.250 GHz	1.000 MHz	2.988 81 GHz	-56.57 dBm	-16.57 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.496 46 GHz	-51.32 dBm	-11.32 dB
10.000 GHz	25.000 GHz	1.000 MHz	22.175 75 GHz	-51.48 dBm	-11.48 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.176 25 GHz	-50.73 dBm	-10.73 dB

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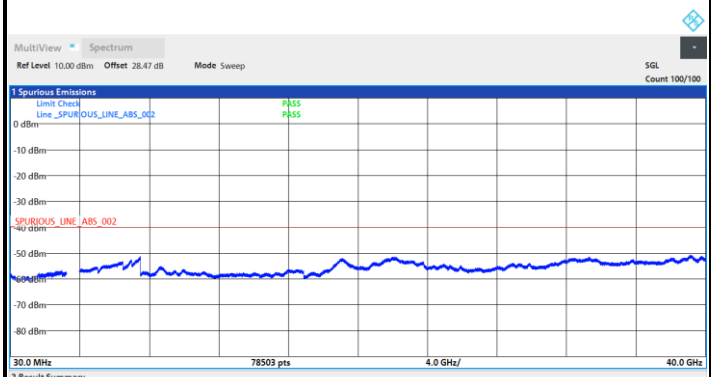
Highest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	34.605 20 MHz	-56.44 dBm	-16.44 dB
1.000 GHz	3.250 GHz	1.000 MHz	2.994 81 GHz	-56.58 dBm	-16.58 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.470 96 GHz	-51.31 dBm	-11.31 dB
10.000 GHz	25.000 GHz	1.000 MHz	22.142 75 GHz	-51.39 dBm	-11.39 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.120 25 GHz	-50.77 dBm	-10.77 dB

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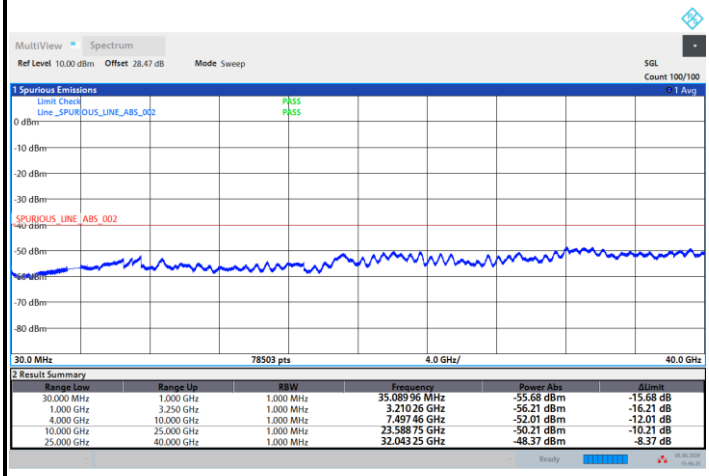
FR1 n48 / 20MHz+10MHz / QPSK / CSE

Lowest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	35.089 96 MHz	-55.68 dBm	-15.68 dB
1.000 GHz	3.250 GHz	1.000 MHz	3.210 26 GHz	-56.21 dBm	-16.21 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.497 46 GHz	-52.01 dBm	-12.01 dB
10.000 GHz	25.000 GHz	1.000 MHz	23.588 75 GHz	-50.21 dBm	-10.21 dB
25.000 GHz	40.000 GHz	1.000 MHz	32.043 25 GHz	-48.37 dBm	-8.37 dB

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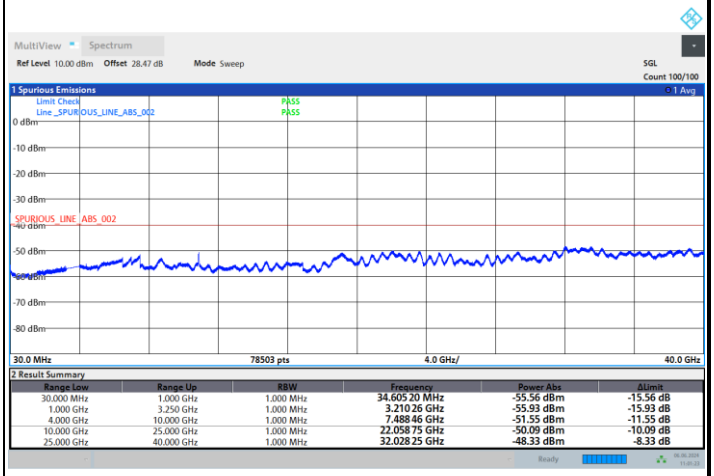
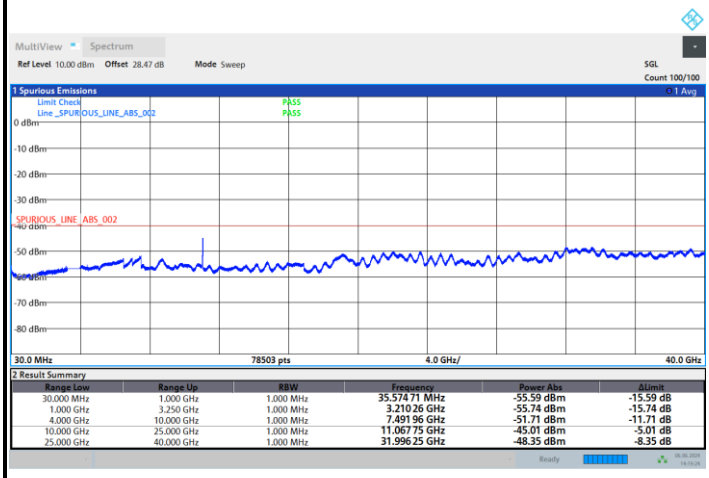
Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	34.605 20 MHz	-55.56 dBm	-15.56 dB
1.000 GHz	3.250 GHz	1.000 MHz	3.210 26 GHz	-55.93 dBm	-15.93 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.488 46 GHz	-51.55 dBm	-11.55 dB
10.000 GHz	25.000 GHz	1.000 MHz	22.058 75 GHz	-50.09 dBm	-10.09 dB
25.000 GHz	40.000 GHz	1.000 MHz	32.028 25 GHz	-48.33 dBm	-8.33 dB

11:01:24 06.06.2024

Highest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	35.574 71 MHz	-55.59 dBm	-15.59 dB
1.000 GHz	3.250 GHz	1.000 MHz	3.210 26 GHz	-55.74 dBm	-15.74 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.491 96 GHz	-51.71 dBm	-11.71 dB
10.000 GHz	25.000 GHz	1.000 MHz	11.067 75 GHz	-45.01 dBm	-5.01 dB
25.000 GHz	40.000 GHz	1.000 MHz	31.996 25 GHz	-48.35 dBm	-8.35 dB

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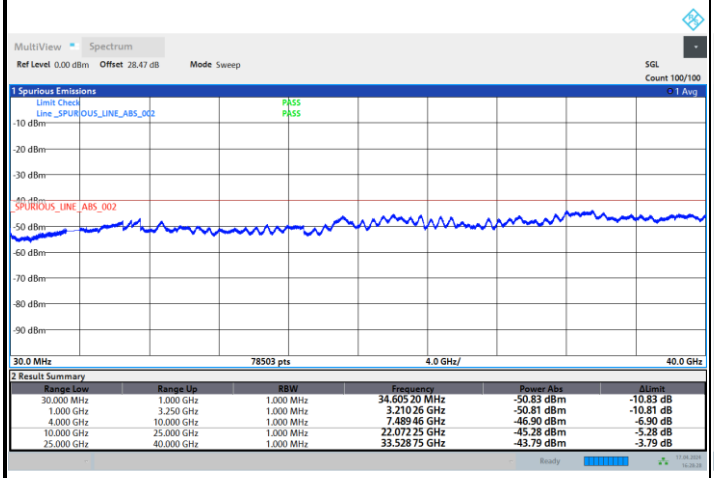
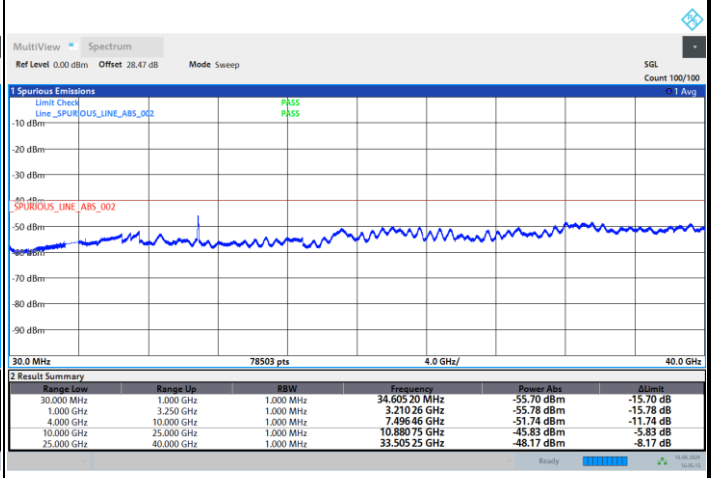
FR1 n48 / 20MHz+20MHz / QPSK / CSE

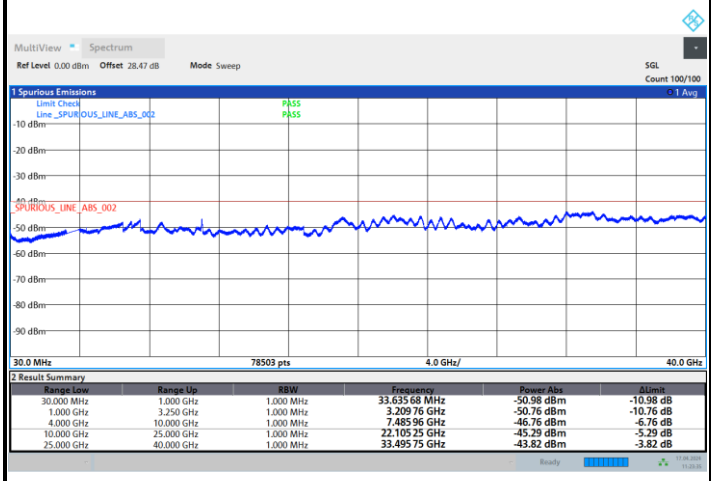
Lowest Channel



Middle Channel

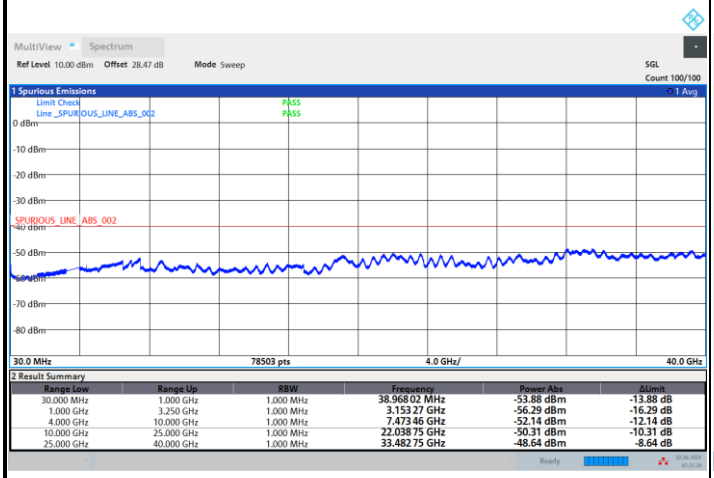


Highest Channel

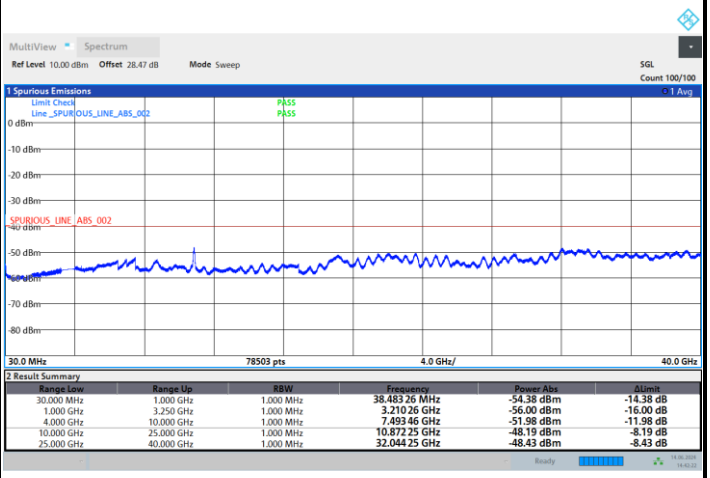


FR1 n48 / 20MHz+40MHz / QPSK / CSE

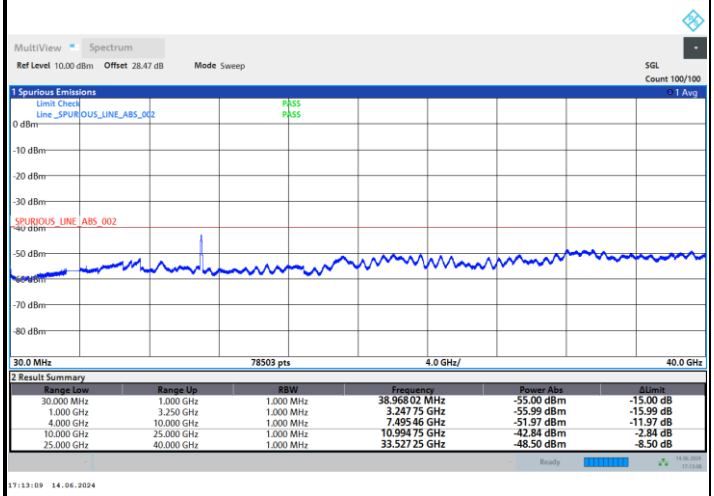
Lowest Channel



Middle Channel

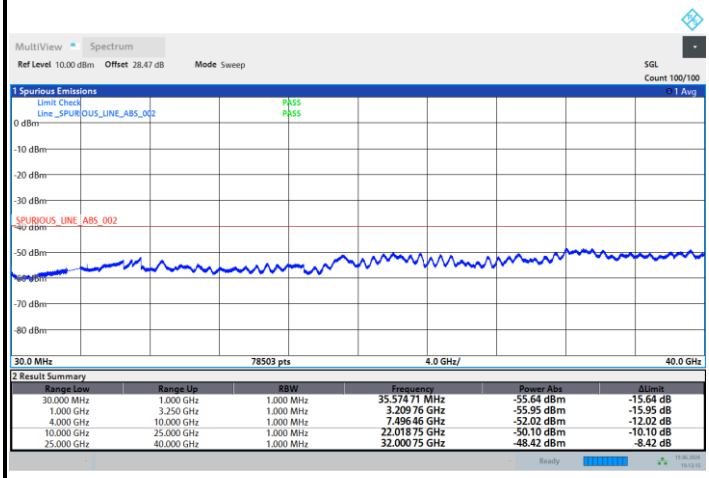


Highest Channel

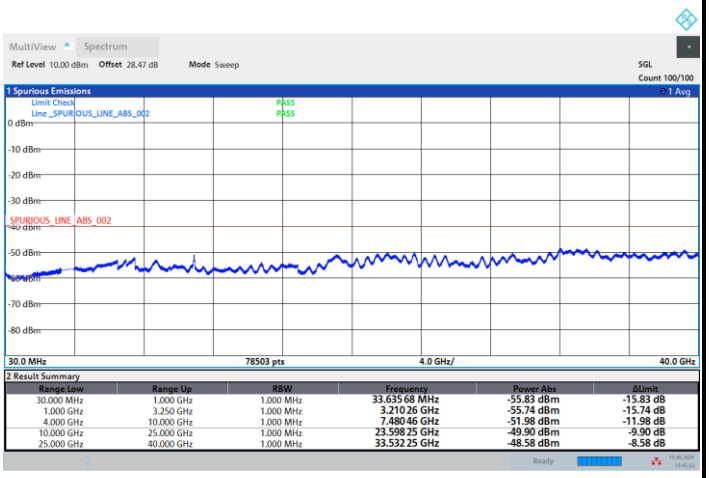


FR1 n48 / 40MHz+10MHz / QPSK / CSE

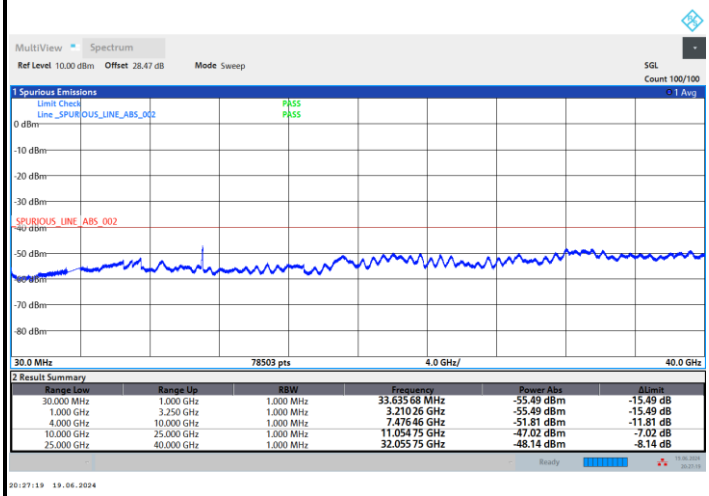
Lowest Channel



Middle Channel

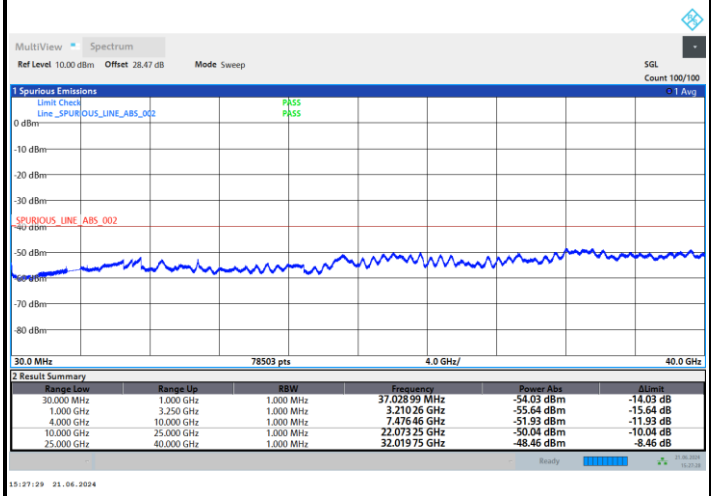


Highest Channel

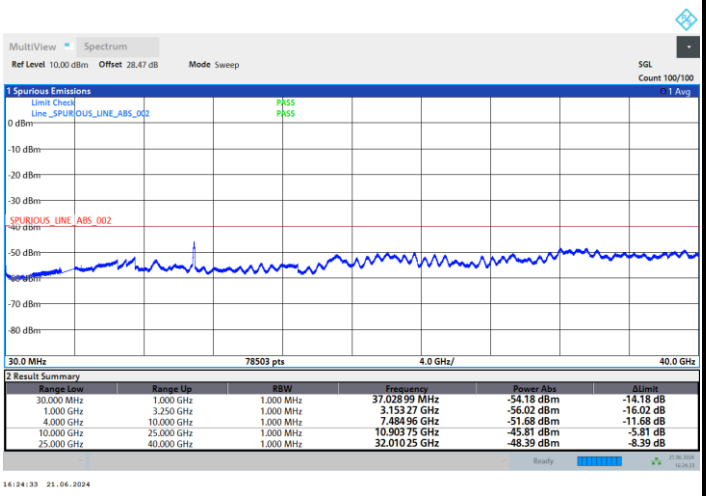


FR1 n48 / 40MHz+20MHz / QPSK / CSE

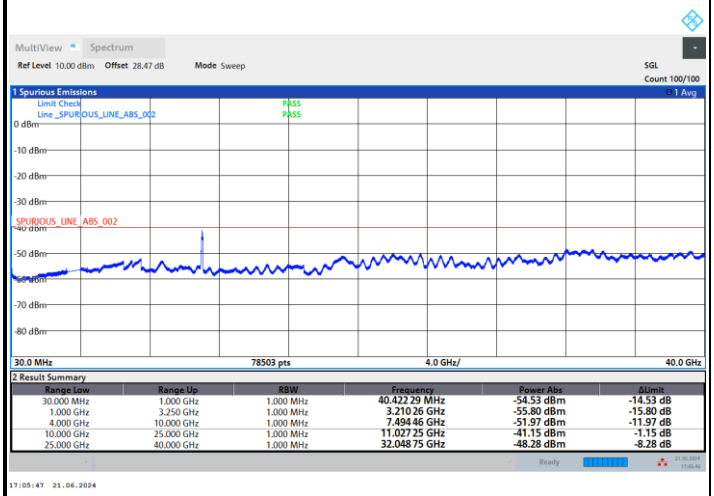
Lowest Channel



Middle Channel

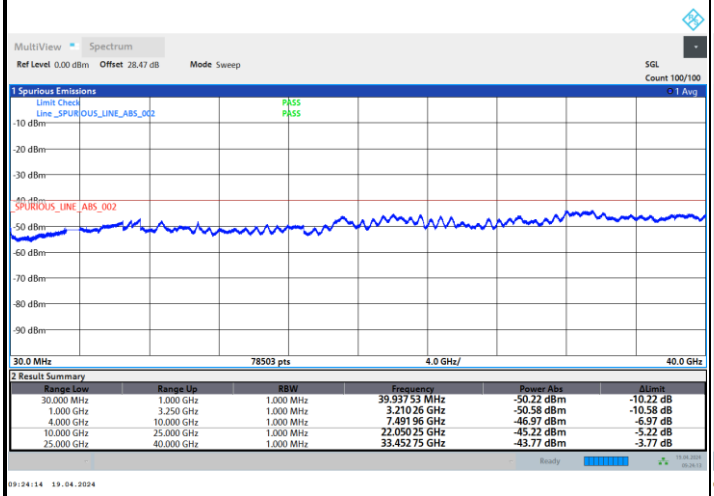


Highest Channel

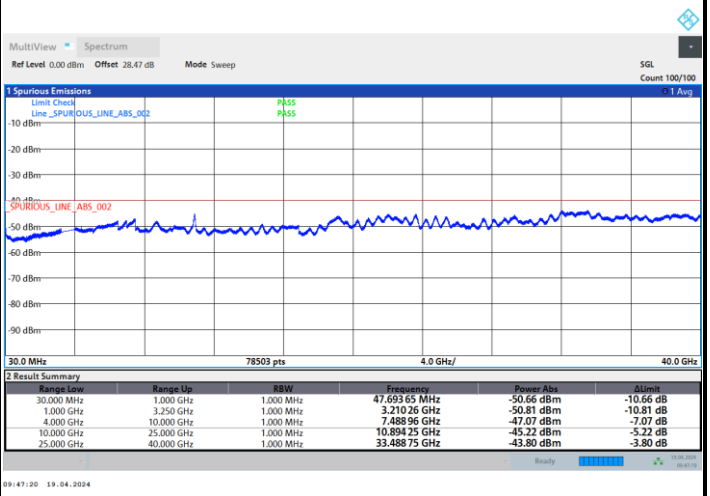


FR1 n48 / 40MHz+40MHz / QPSK / CSE

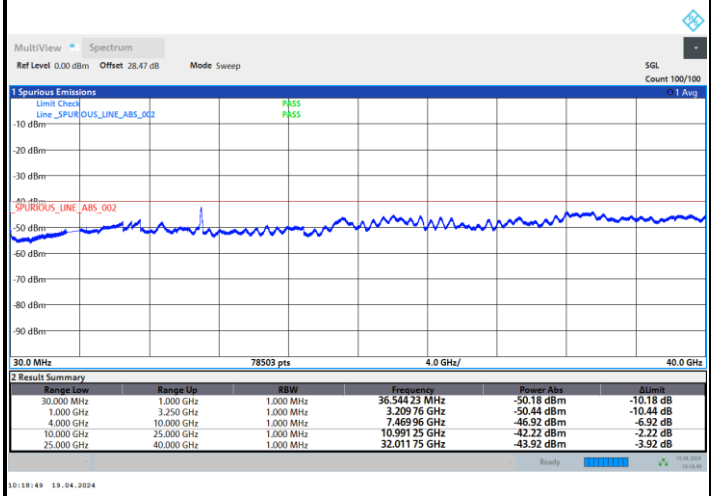
Lowest Channel



Middle Channel

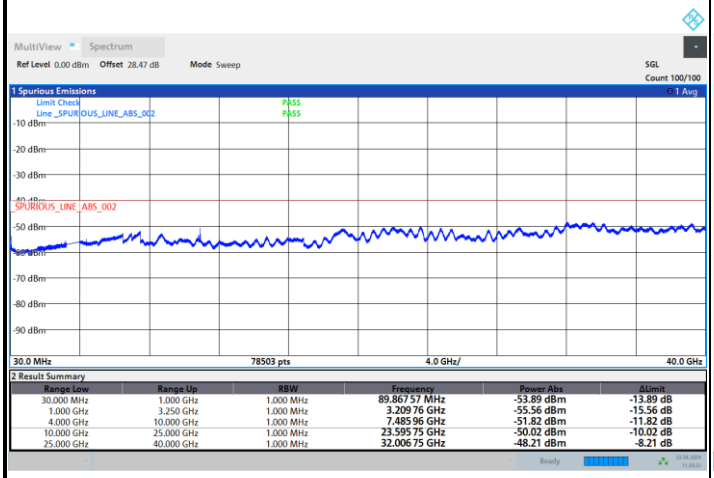


Highest Channel

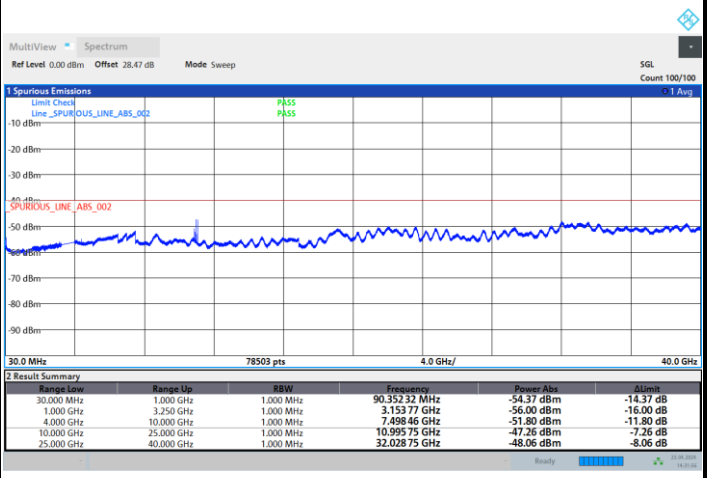


FR1 n48 / 10MHz+10MHz (Non Contiguous) / QPSK / CSE

Lowest Channel

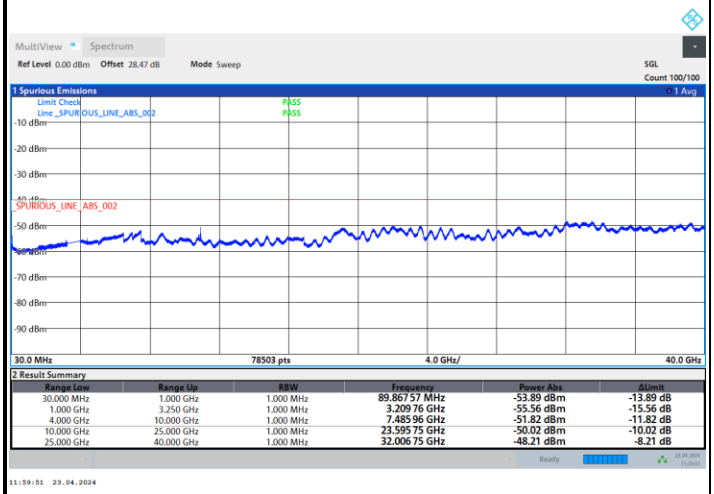


Highest Channel

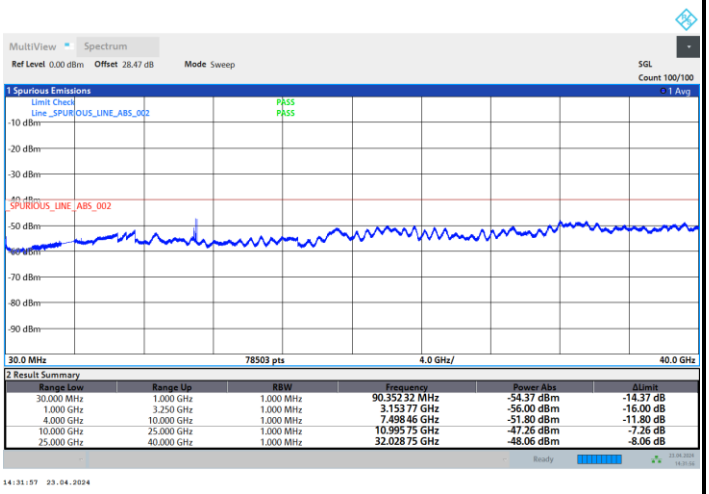


FR1 n48 / 40MHz+40MHz (Non Contiguous) / QPSK / CSE

Lowest Channel



Highest Channel



<MIMO ANT 2>

Maximum EIRP (dBm/10MHz)

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Lowest Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	21.51	21.11	21.02	21.04	20.87	20.96	21.62	21.67
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	21.21	21.30	20.99	20.87	20.62	20.85	21.81	21.72
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	21.81	21.77	21.32	21.04	20.77	20.84	21.28	21.25
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	21.94	22.04	21.00	21.02	20.80	21.07	21.26	21.15
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Lowest CH	22.24	22.10						
Mod.	64QAM	256QAM						
Lowest CH	22.31	22.26						

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Lowest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Lowest CH	21.06	20.98	22.34	22.37				
Mod.	64QAM	256QAM	64QAM	256QAM				
Lowest CH	20.89	20.90	22.39	22.43				

Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <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	45.03	44.63	44.54	44.56	44.39	44.48	45.14	45.19
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	44.73	44.82	44.51	44.39	44.14	44.37	45.33	45.24
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	45.33	45.29	44.84	44.56	44.29	44.36	44.80	44.77
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	45.46	45.56	44.52	44.54	44.32	44.59	44.78	44.67
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Lowest CH	45.76	45.62						
Mod.	64QAM	256QAM						
Lowest CH	45.83	45.78						
Limit	47dBm/10MHz							
Result	PASS							

Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Lowest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Lowest CH	44.58	44.50	45.86	45.89				
Mod.	64QAM	256QAM	64QAM	256QAM				
Lowest CH	44.41	44.42	45.91	45.95				
Limit	47dBm/10MHz							
Result	PASS							

Note

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

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Middle Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	20.98	20.97	20.70	20.56	21.21	21.14	21.36	21.13
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	21.08	21.13	20.63	20.81	21.16	21.17	21.12	21.14
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	21.30	21.17	21.18	21.15	20.94	20.86	21.25	21.29
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	21.04	21.43	21.13	21.06	20.94	21.01	21.25	21.32
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	22.25	22.35						
Mod.	64QAM	256QAM						
Middle CH	22.19	22.32						

Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <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	44.50	44.49	44.22	44.08	44.73	44.66	44.88	44.65
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	44.60	44.65	44.15	44.33	44.68	44.69	44.64	44.66
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	44.82	44.69	44.70	44.67	44.46	44.38	44.77	44.81
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	44.56	44.95	44.65	44.58	44.46	44.53	44.77	44.84
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	45.77	45.87						
Mod.	64QAM	256QAM						
Middle CH	45.71	45.84						
Limit	47dBm/10MHz							
Result	PASS							

Note

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

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Highest Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	20.67	20.88	20.72	20.67	20.68	20.79	20.75	20.57
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	20.76	21.04	20.59	20.76	20.76	20.94	20.45	20.70
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	21.59	21.72	20.91	20.68	20.25	20.07	20.81	20.60
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	21.46	21.22	20.88	20.76	20.14	20.16	20.81	20.76
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Highest CH	22.30	22.07						
Mod.	64QAM	256QAM						
Highest CH	22.37	22.35						

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Highest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Highest CH	20.69	20.54	22.50	22.19				
Mod.	64QAM	256QAM	64QAM	256QAM				
Highest CH	20.70	20.77	22.62	22.29				

Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Highest Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	44.19	44.40	44.24	44.19	44.20	44.31	44.27	44.09
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	44.28	44.56	44.11	44.28	44.28	44.46	43.97	44.22
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	45.11	45.24	44.43	44.20	43.77	43.59	44.33	44.12
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	44.98	44.74	44.40	44.28	43.66	43.68	44.33	44.28
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Highest CH	45.82	45.59						
Mod.	64QAM	256QAM						
Highest CH	45.89	45.87						
Limit	47dBm/10MHz							
Result	PASS							

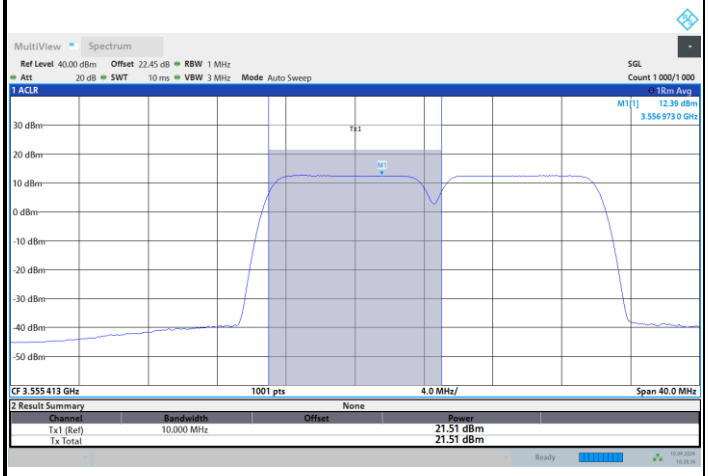
Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Highest Channel (Non-Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Highest CH	44.21	44.06	46.02	45.71				
Mod.	64QAM	256QAM	64QAM	256QAM				
Highest CH	44.22	44.29	46.14	45.81				
Limit	47dBm/10MHz							
Result	PASS							

Note

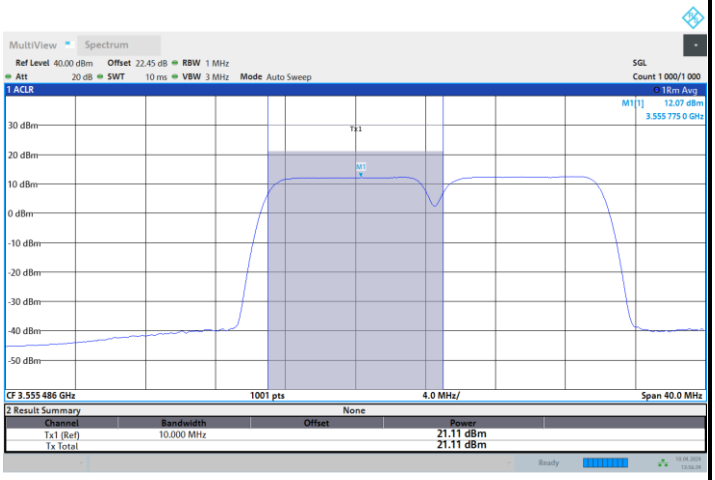
1. The measured conducted result has included duty cycle offset factor.
2. The Maximum EIRP = conducted result + 6.02dB (4TX) + 17.5dBi MIMO antenna gain.

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

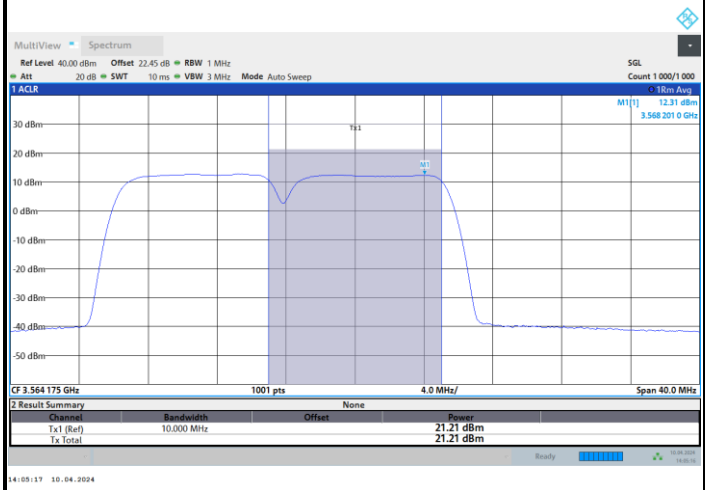
QPSK



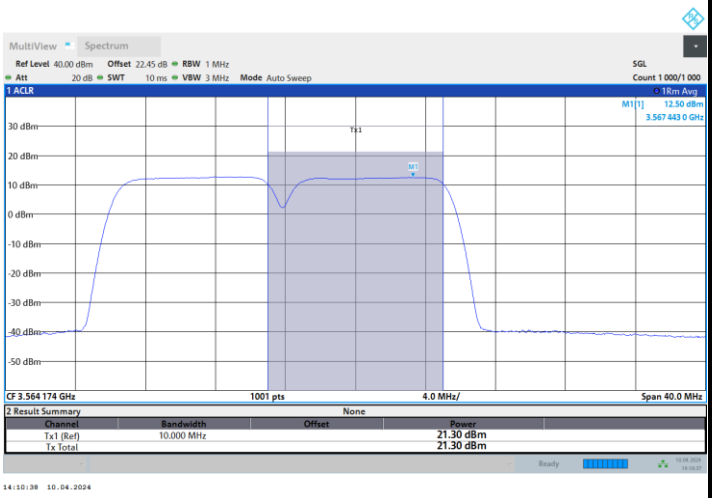
16QAM

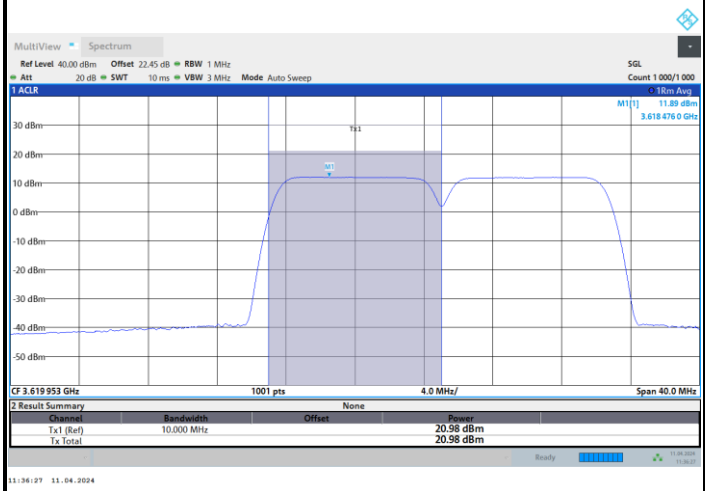
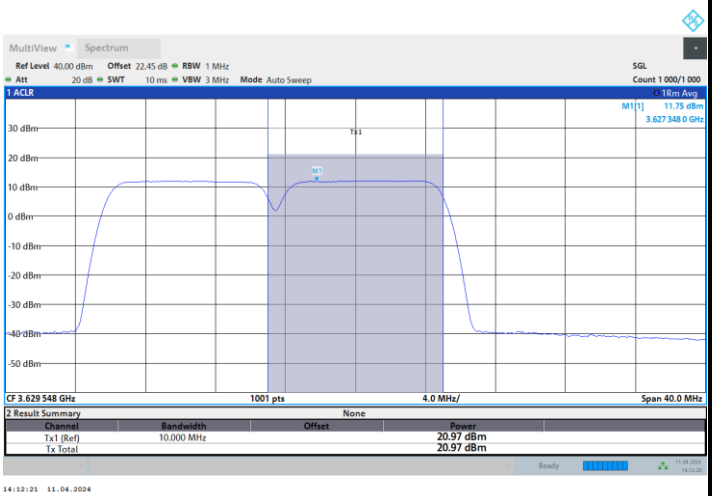
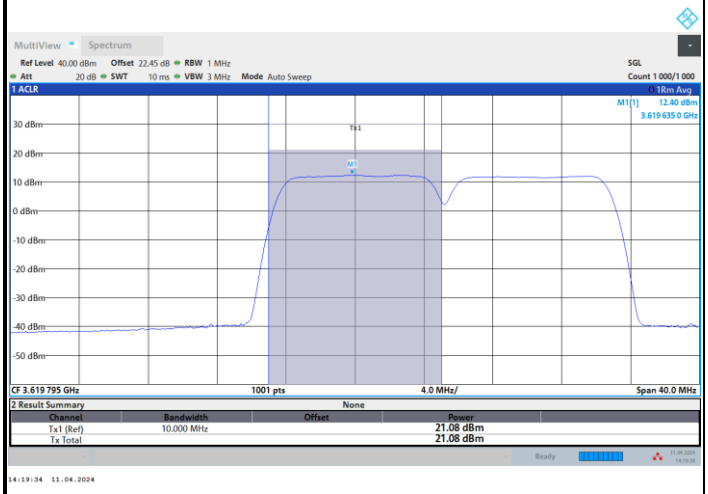
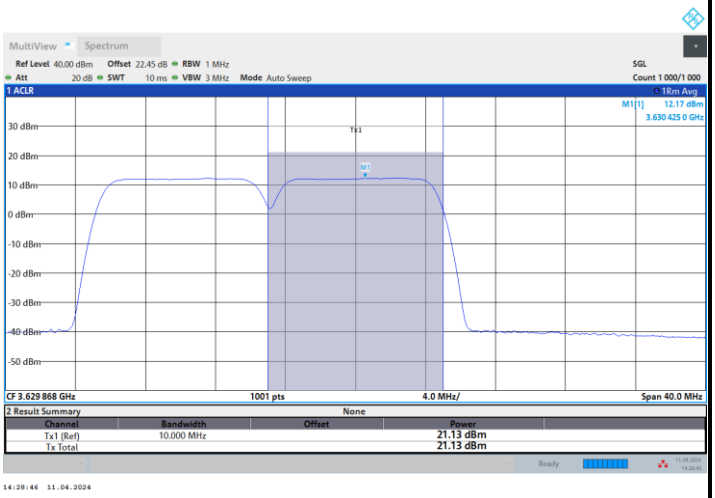


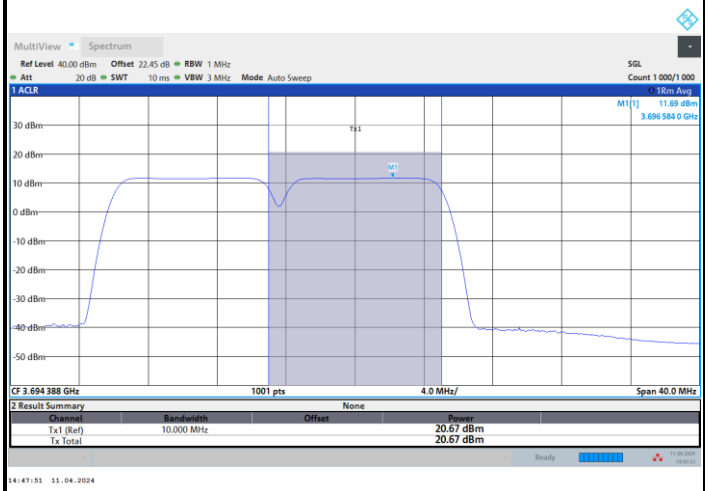
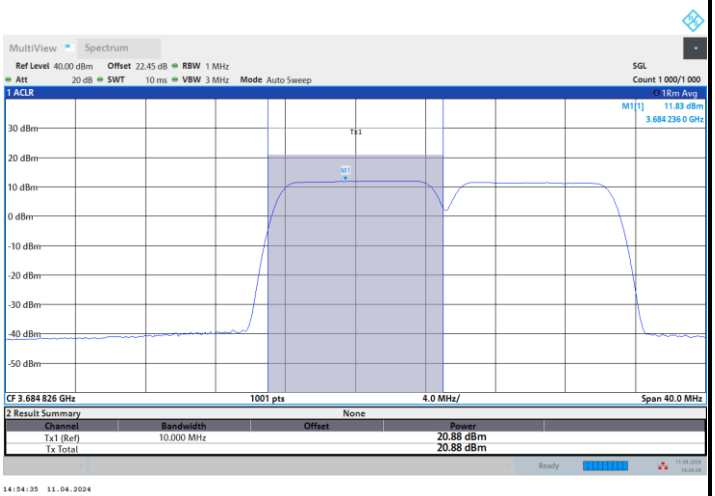
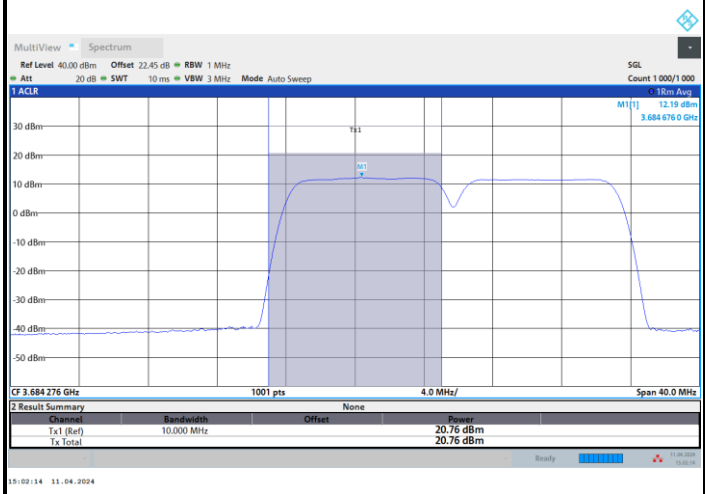
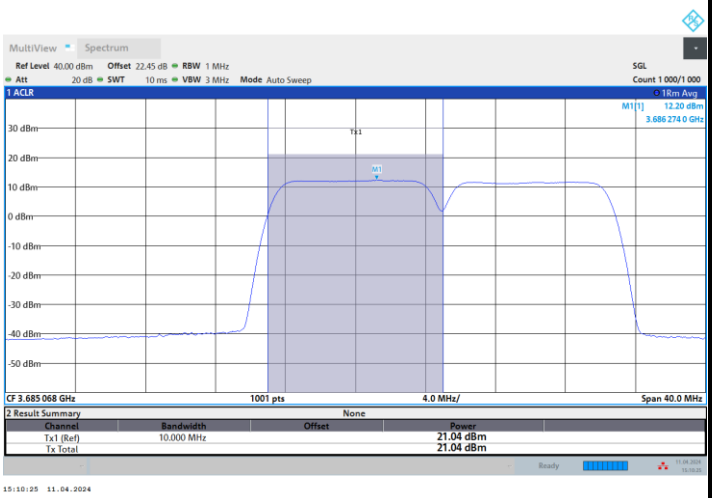
64QAM



256QAM

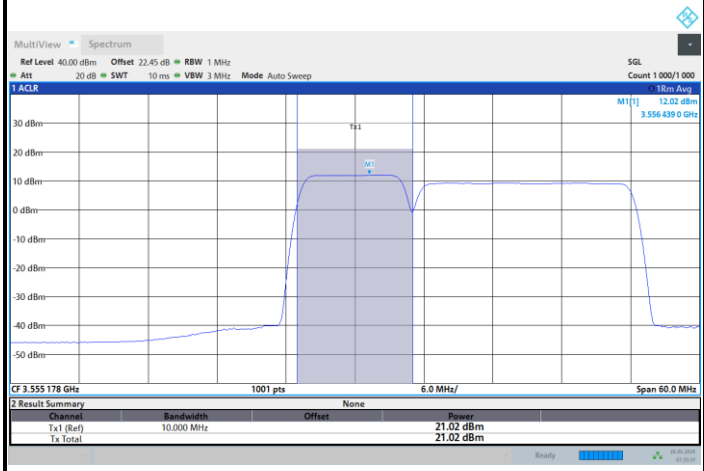


FR1 n48 / 10MHz+10MHz / Middle Channel / Conducted (dBm/10MHz)	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

FR1 n48 / 10MHz+10MHz / Highest Channel / Conducted (dBm/10MHz)	
QPSK	16QAM
	
64QAM	256QAM
	

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

QPSK



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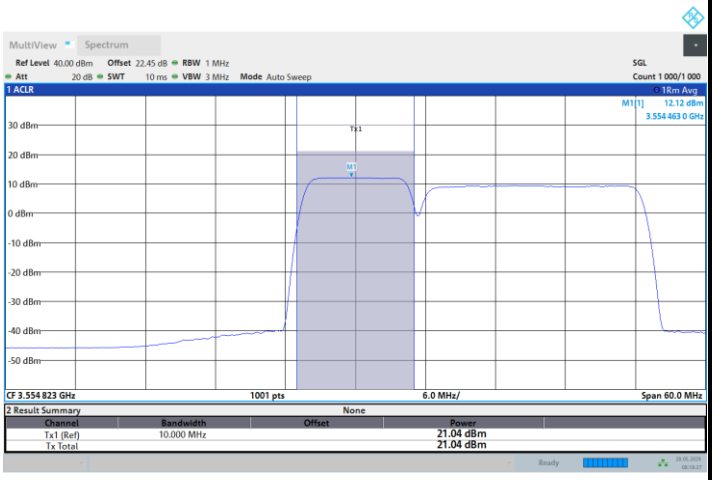
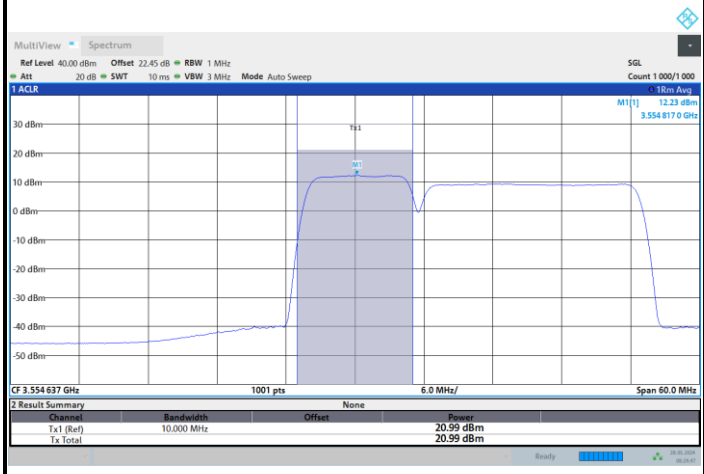
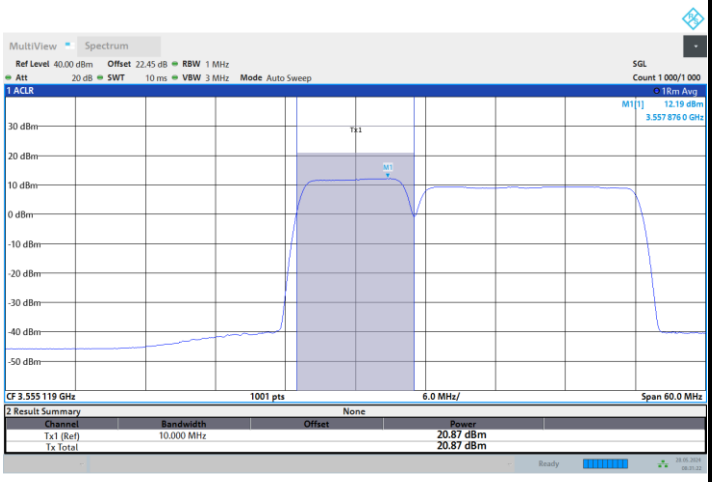


64QAM

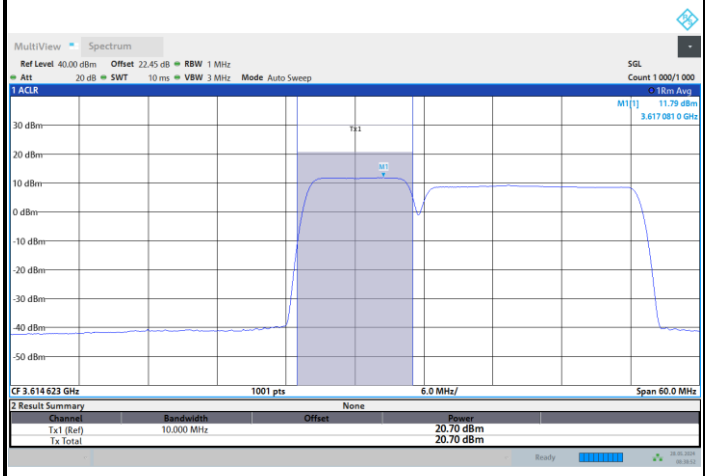


256QAM



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

QPSK



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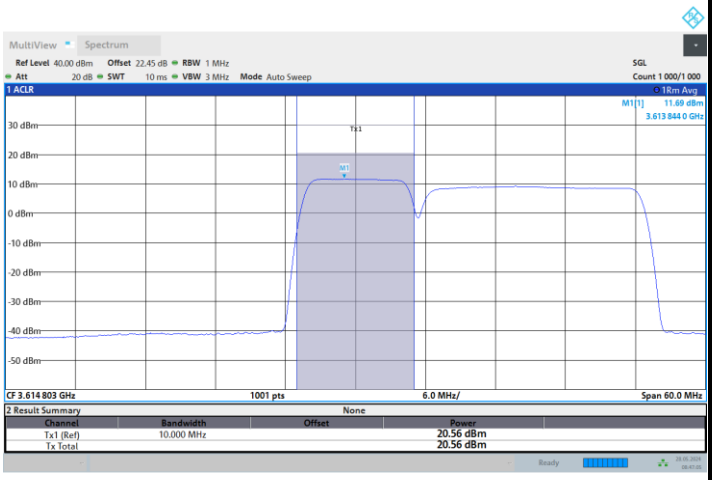

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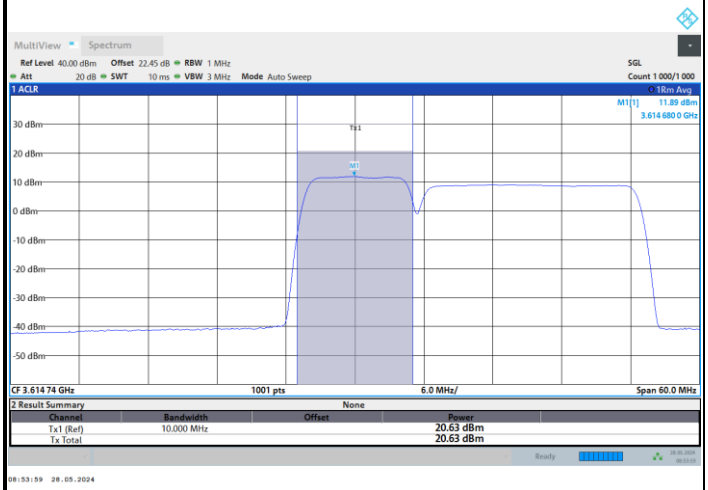

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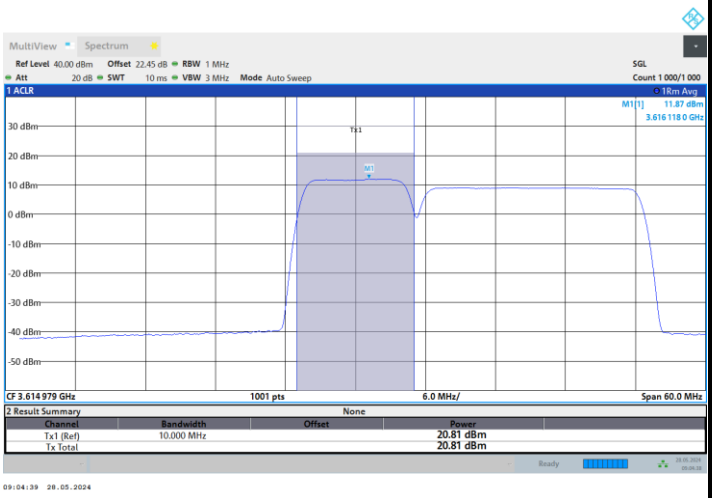
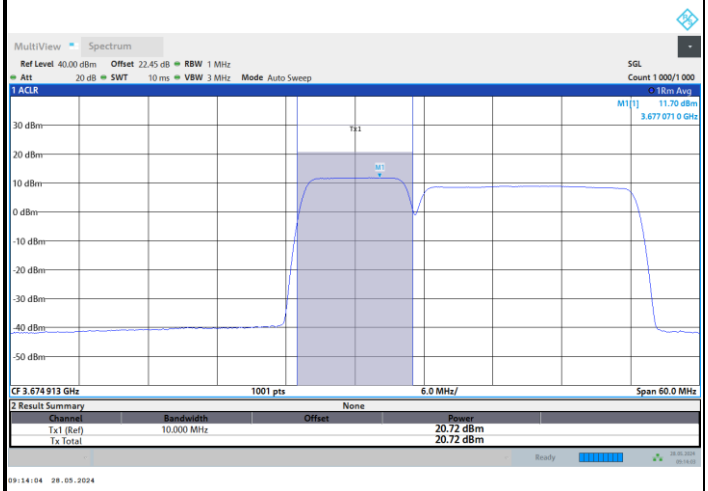
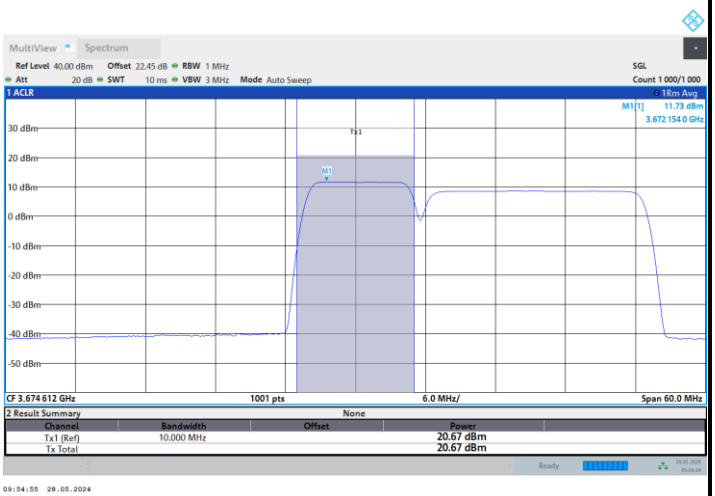
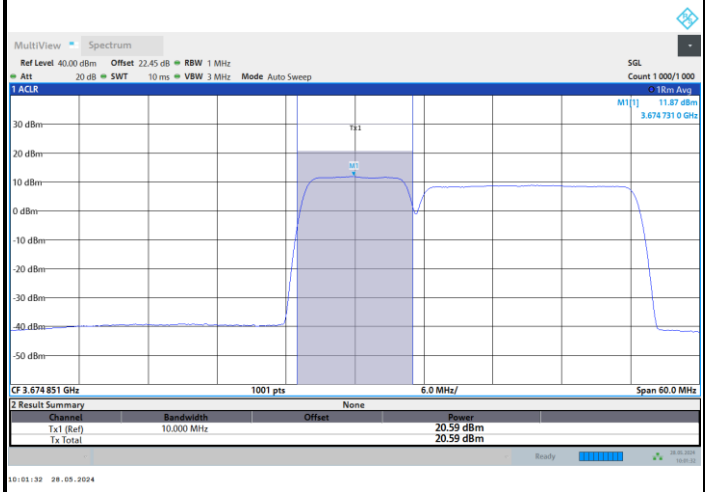
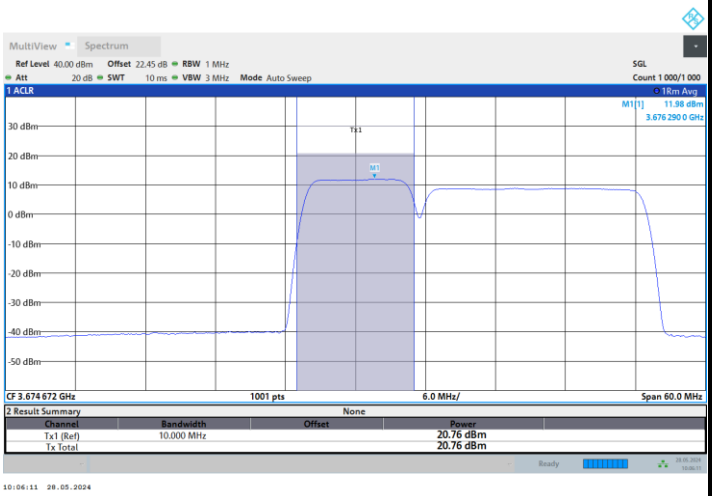
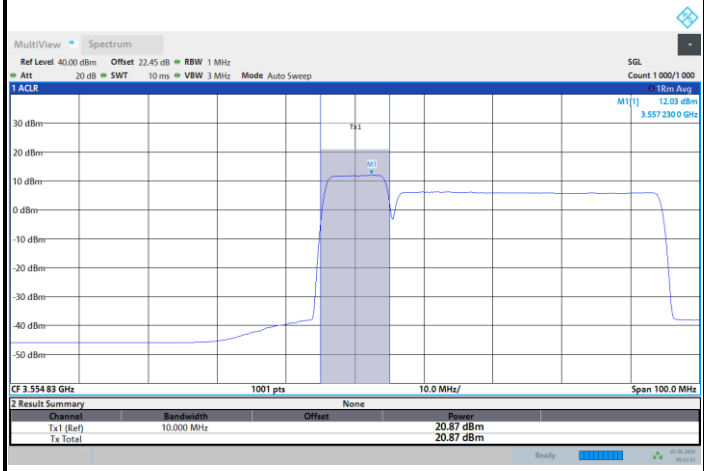


FR1 n48 / 10MHz+20MHz / Highest Channel / Conducted (dBm/10MHz)	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

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

QPSK



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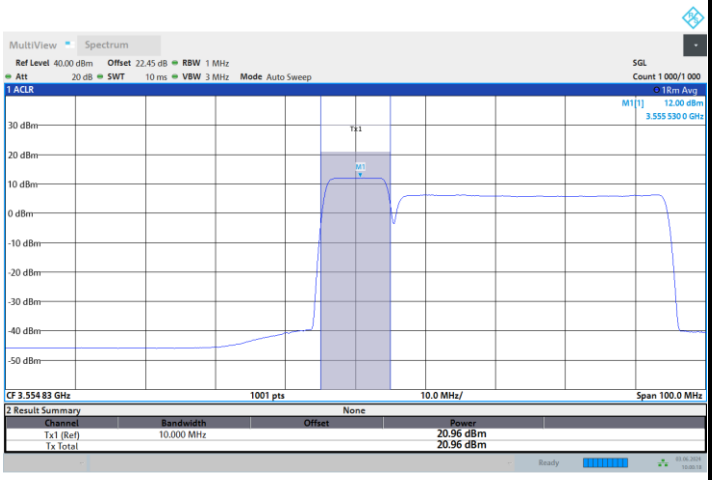

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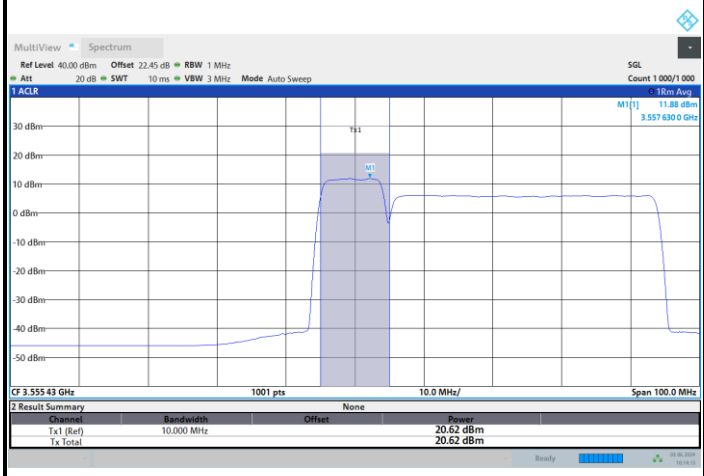

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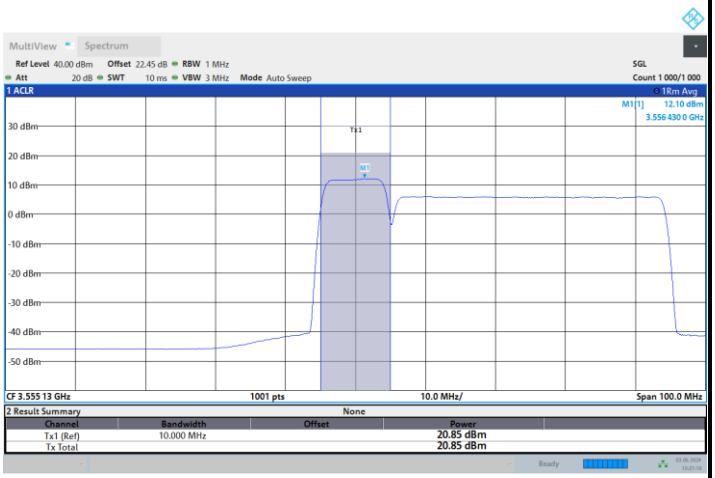
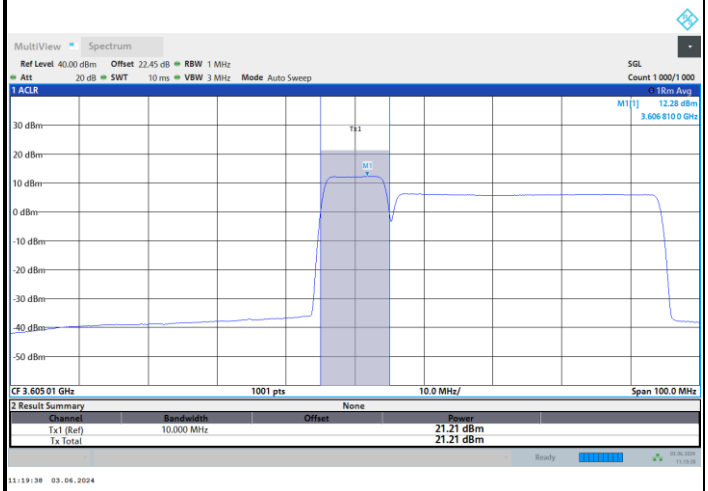


FR1 n48 / 10MHz+40MHz / Middle Channel / Conducted (dBm/10MHz)

QPSK



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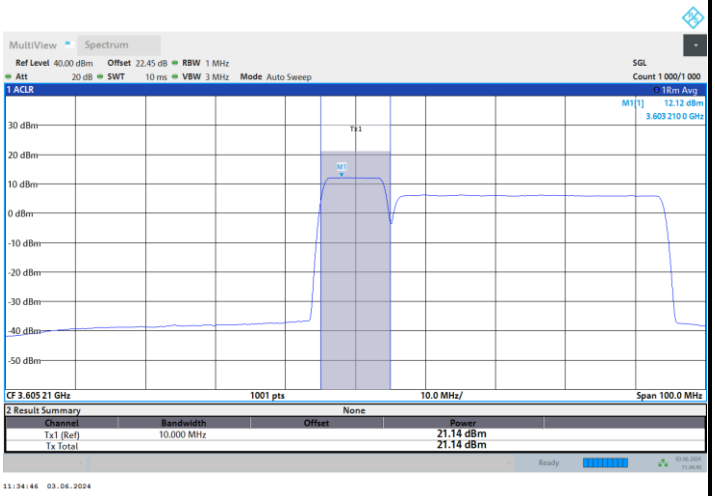

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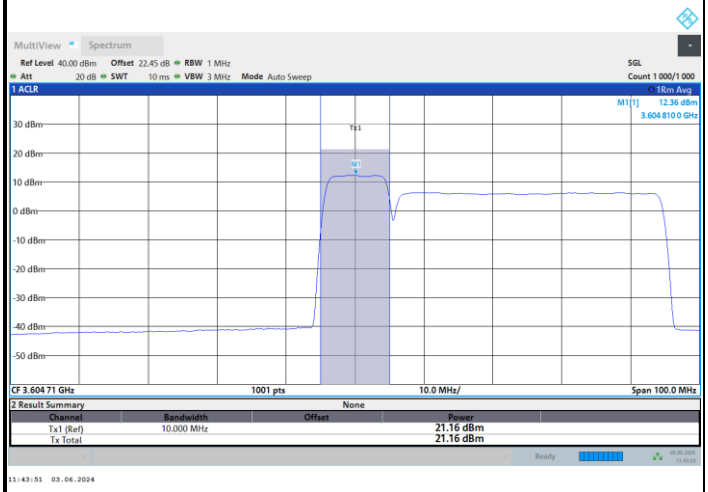

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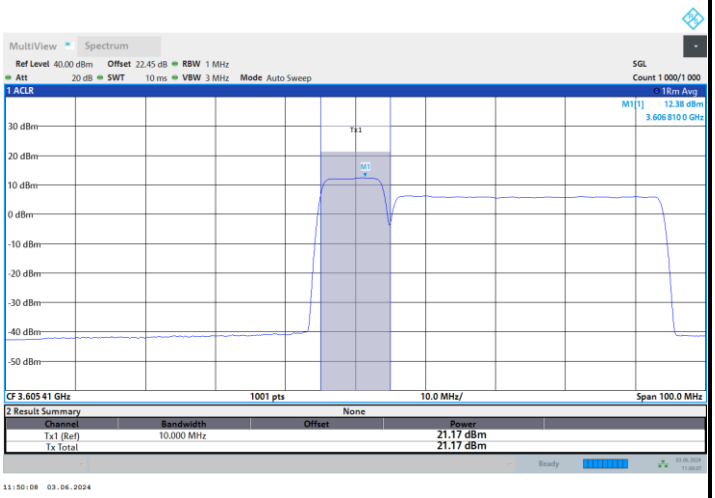
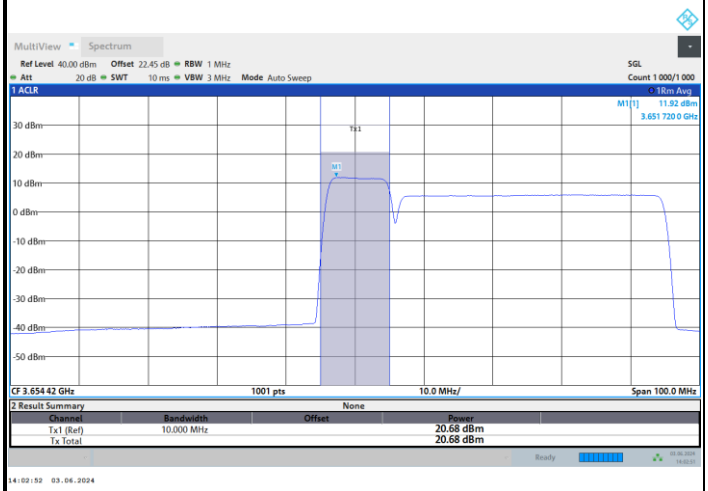


FR1 n48 / 10MHz+40MHz / Highest Channel / Conducted (dBm/10MHz)

QPSK



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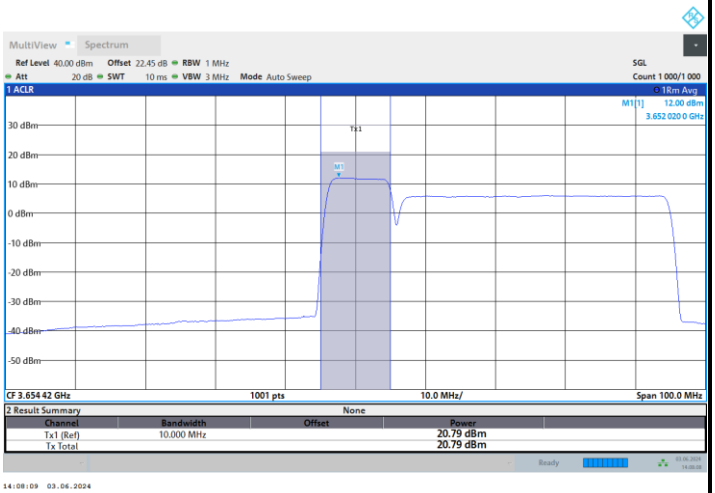

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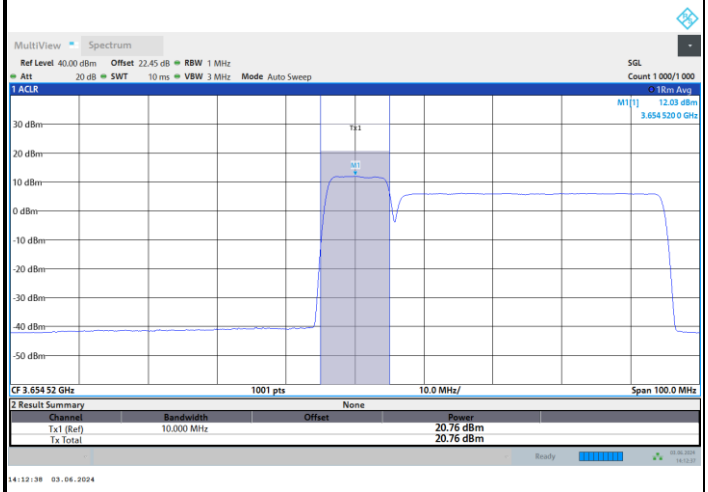

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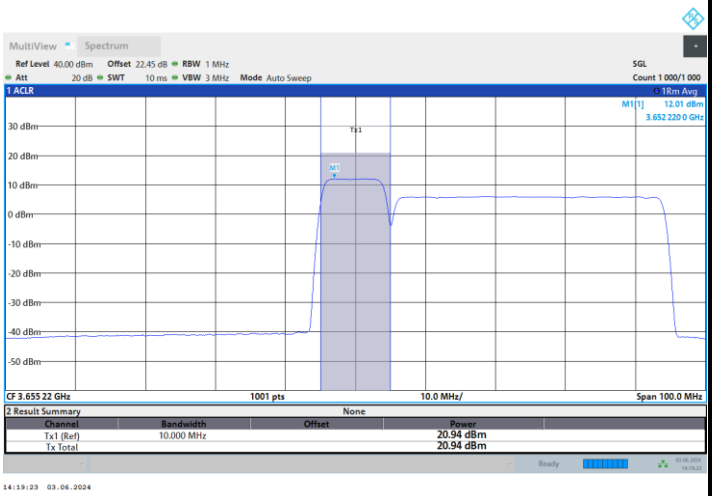
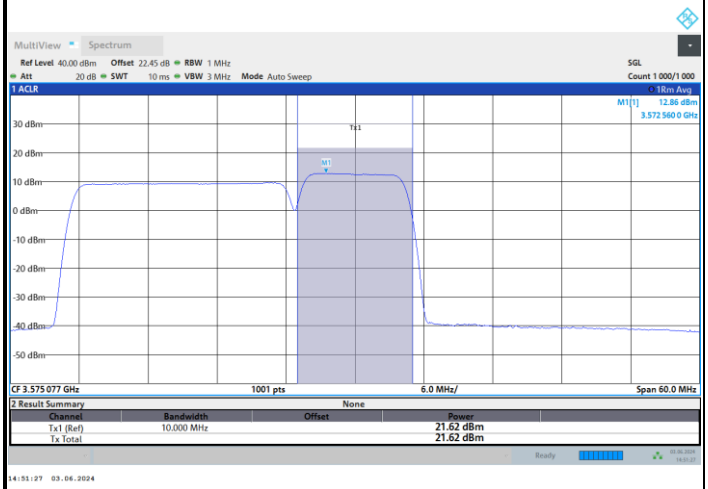


FR1 n48 / 20MHz+10MHz / Lowest Channel / Conducted (dBm/10MHz)

QPSK



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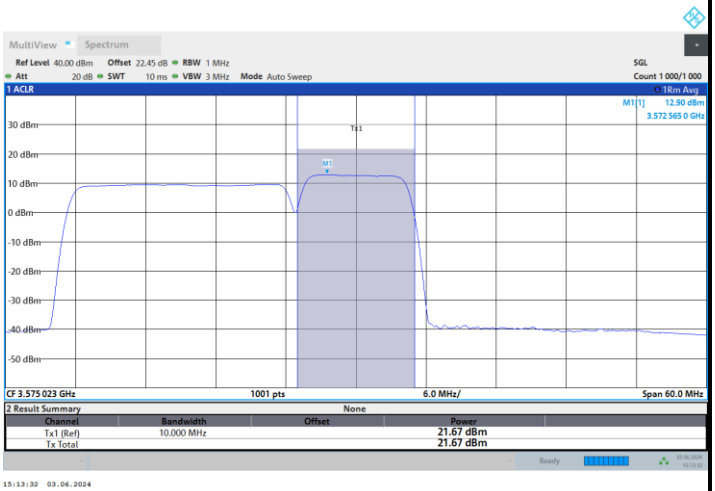

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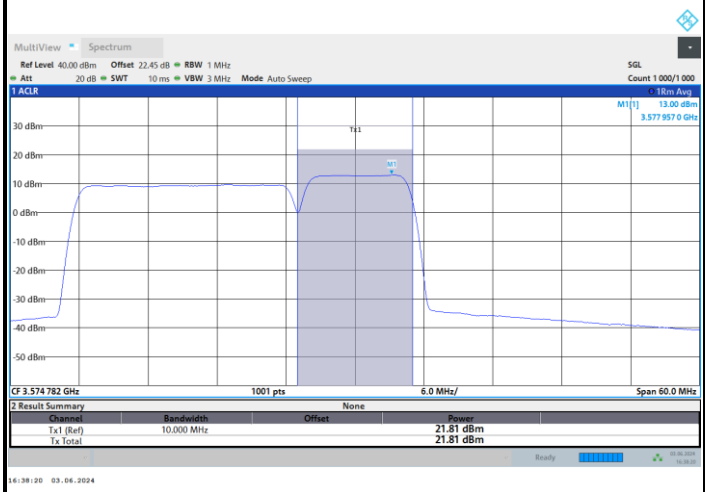

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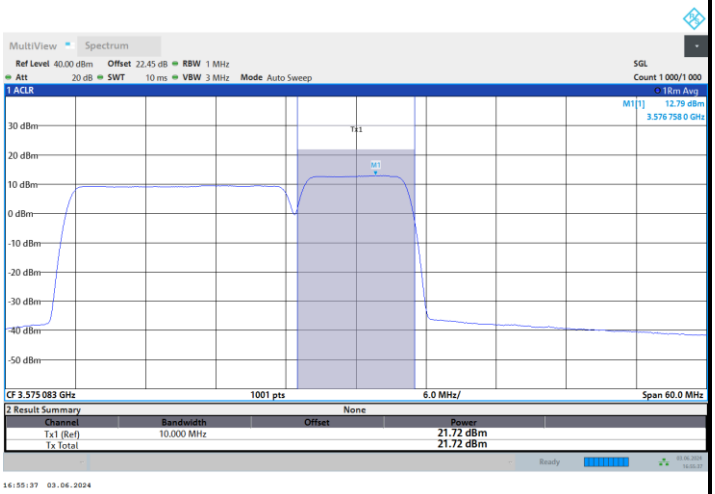
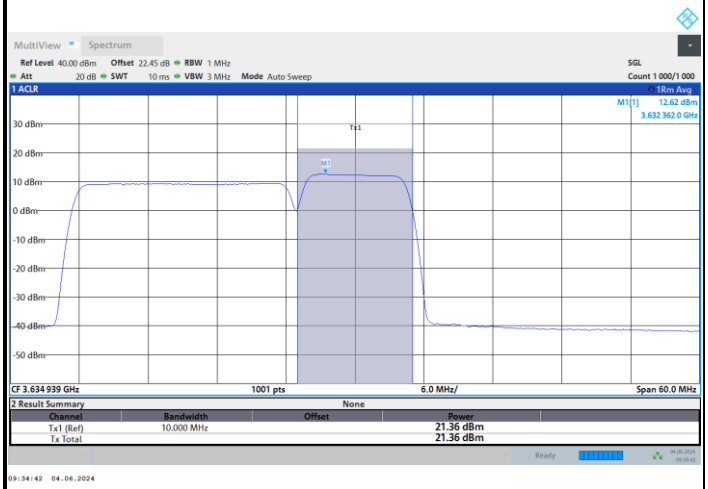


FR1 n48 / 20MHz+10MHz / Middle Channel / Conducted (dBm/10MHz)

QPSK



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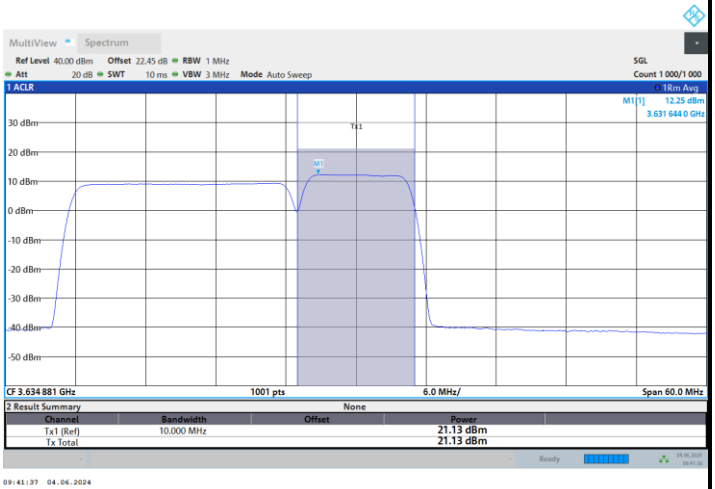

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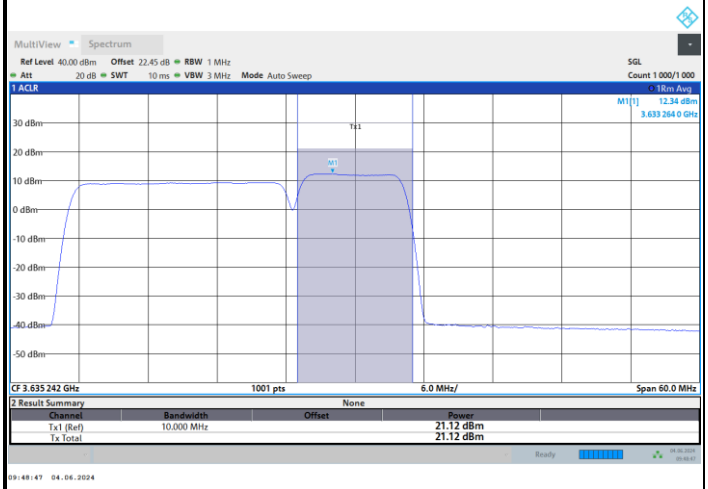

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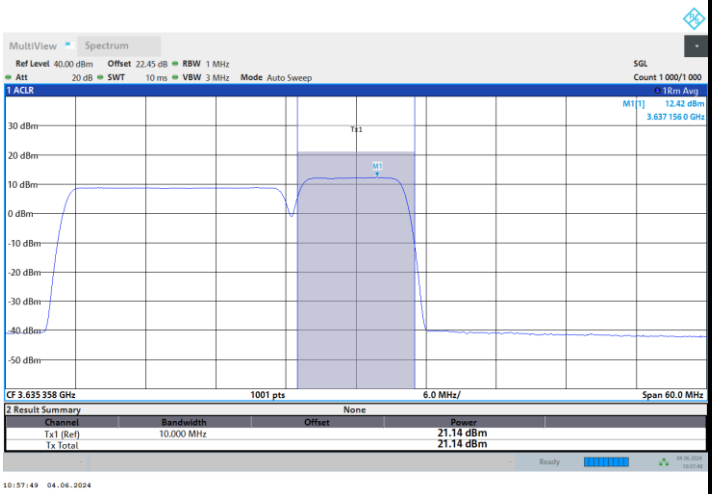
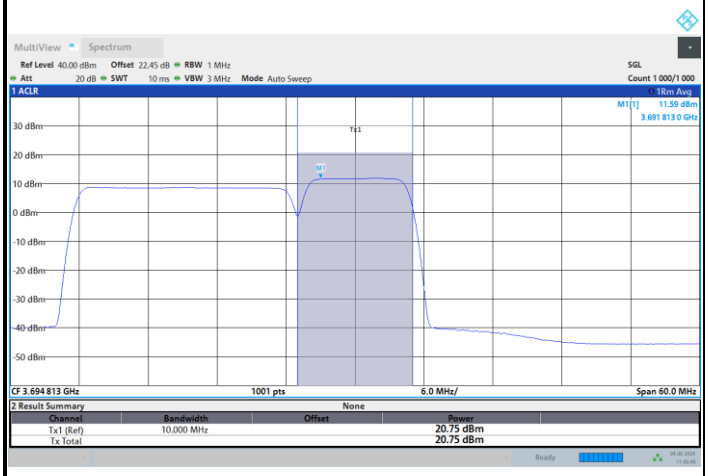


FR1 n48 / 20MHz+10MHz / Highest Channel / Conducted (dBm/10MHz)

QPSK



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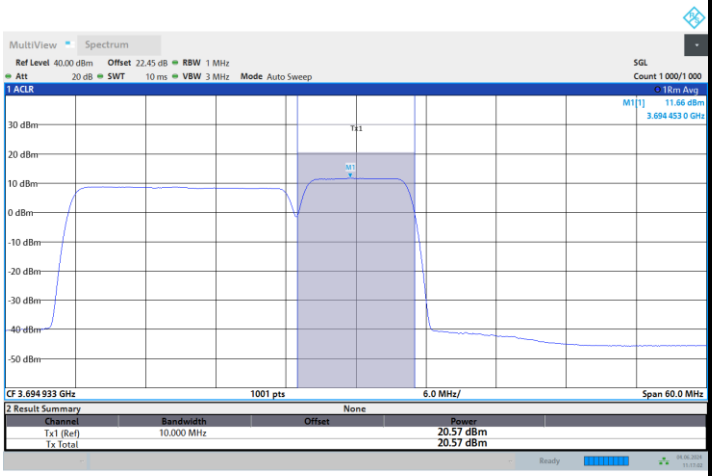

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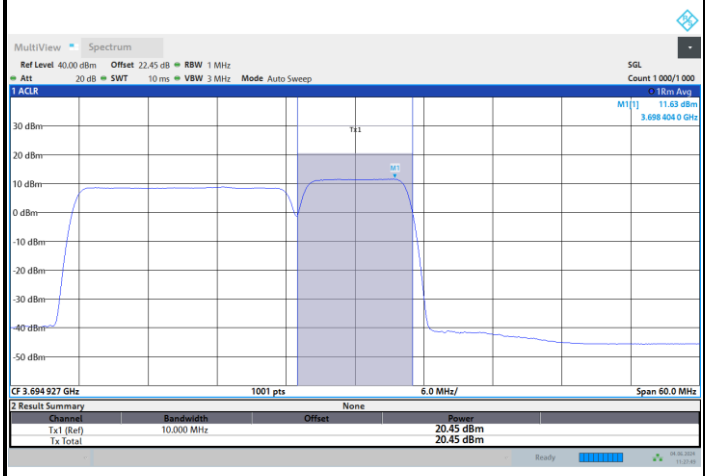
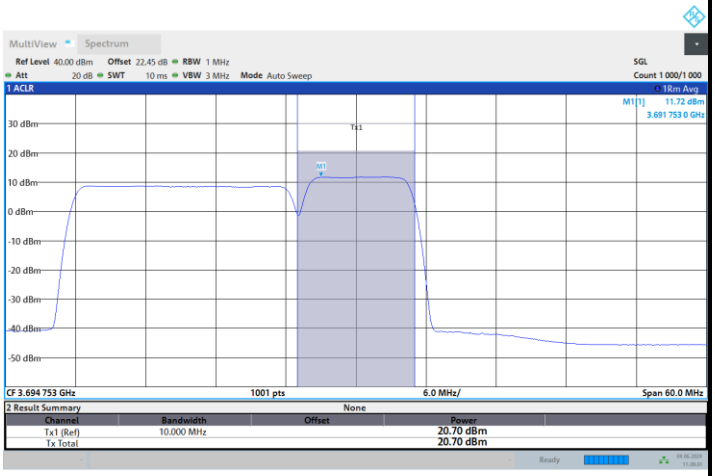
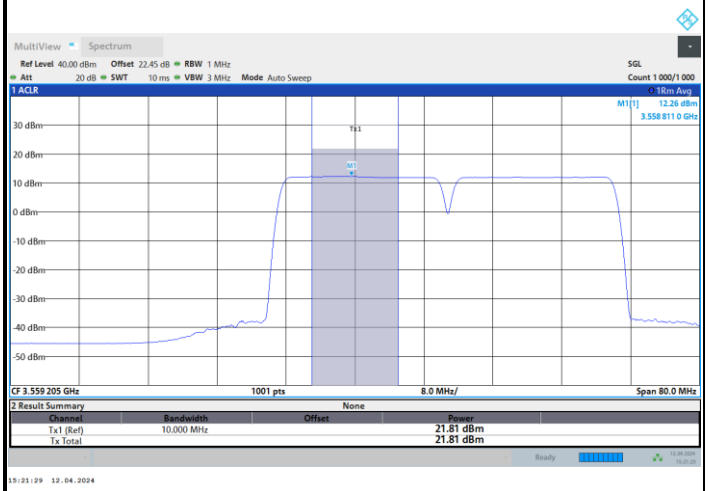


256QAM

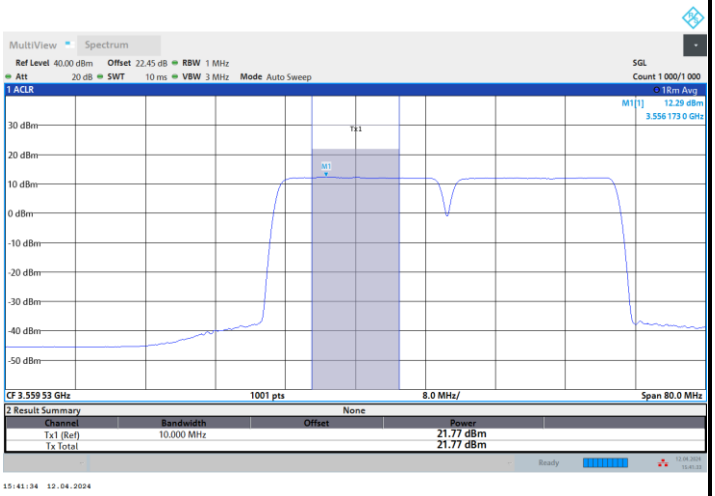


FR1 n48 / 20MHz+20MHz / Lowest Channel / Conducted (dBm/10MHz)

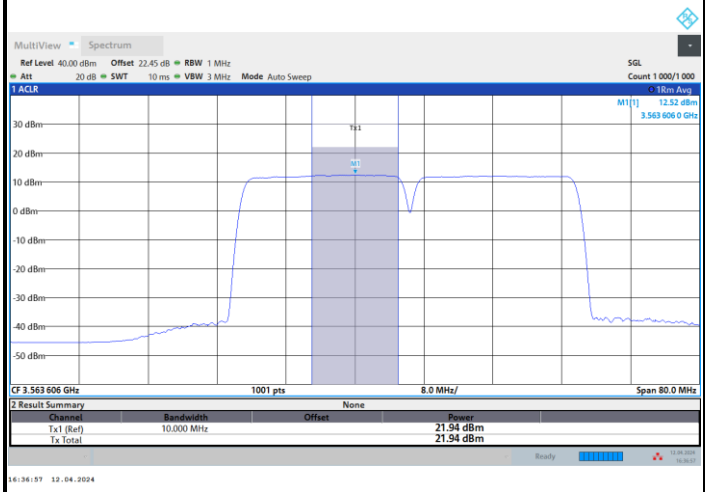
QPSK



16QAM



64QAM



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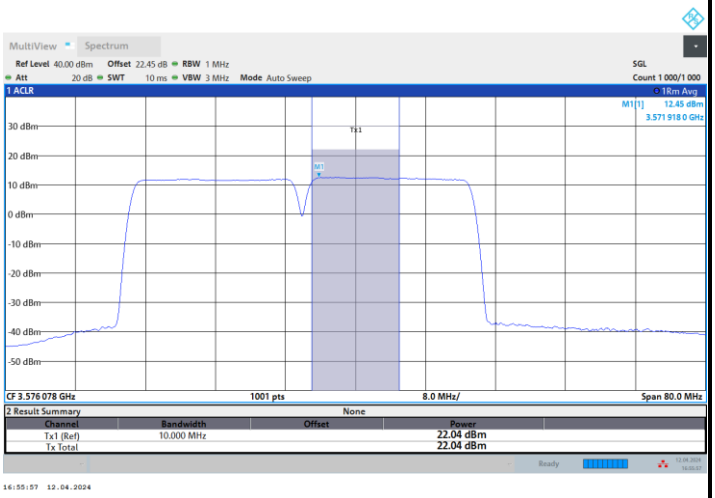
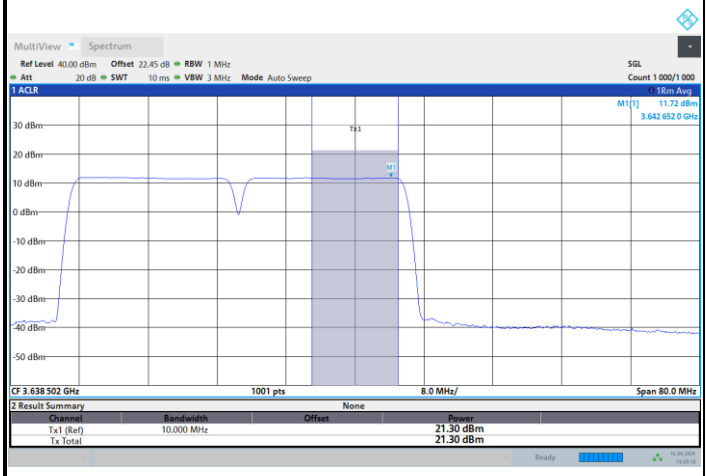
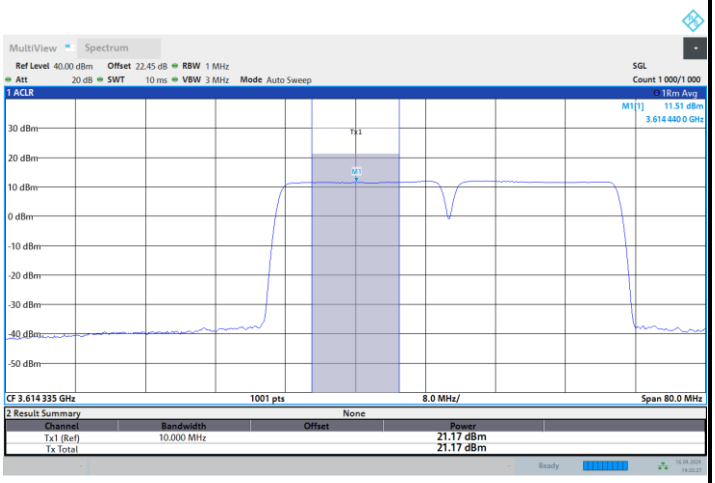
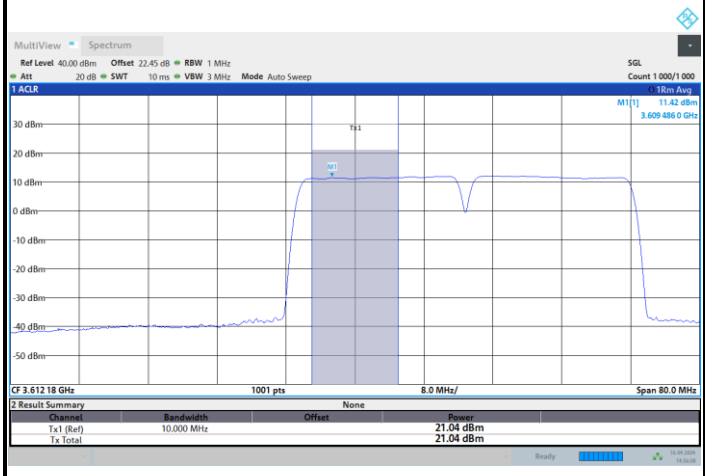
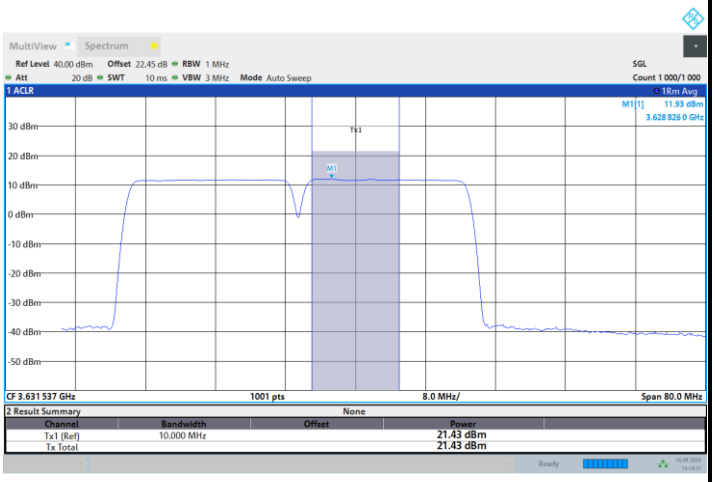
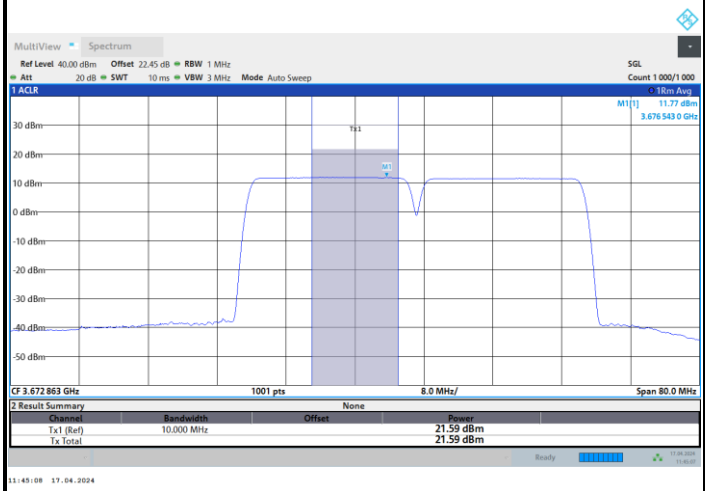
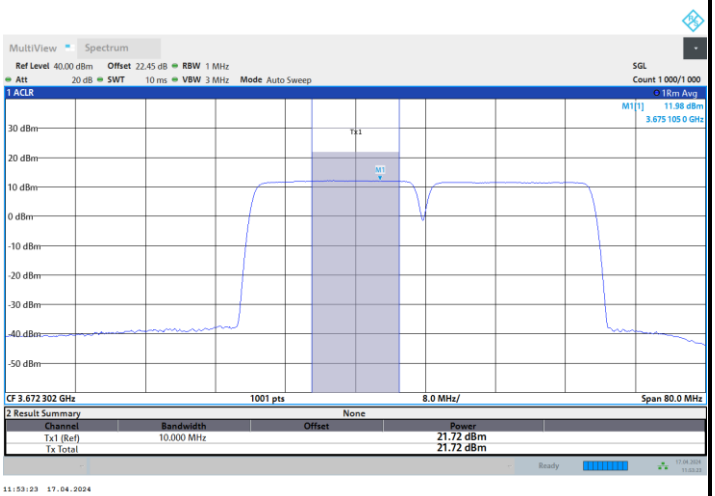
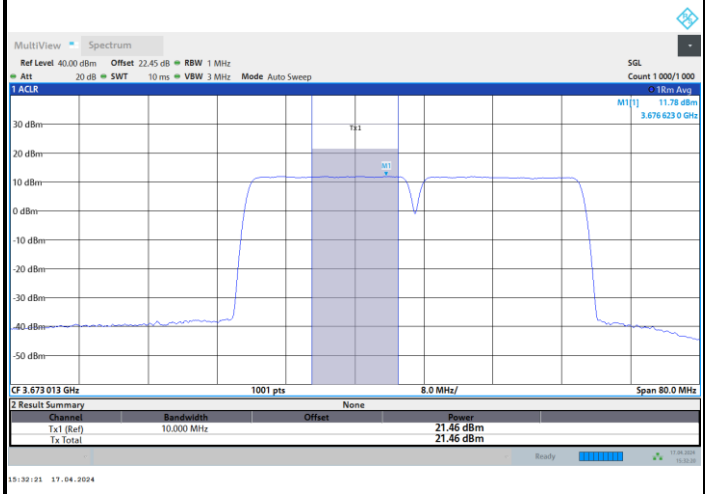
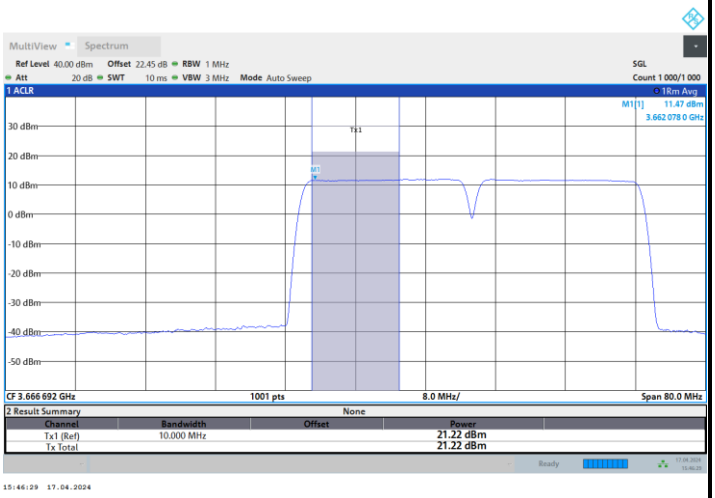
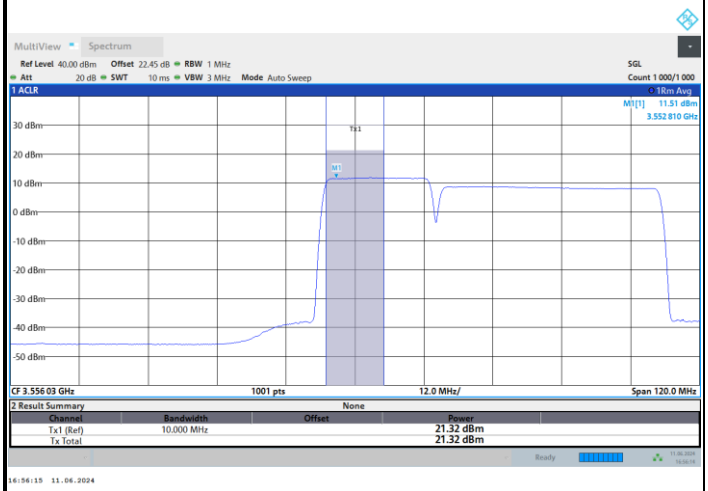


FR1 n48 / 20MHz+20MHz / Middle Channel / Conducted (dBm/10MHz)	
QPSK	16QAM
	
64QAM	256QAM
	

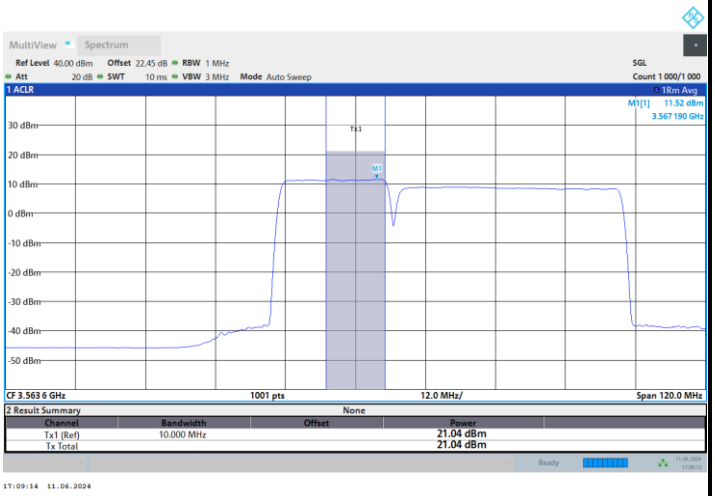
FR1 n48 / 20MHz+20MHz / Highest Channel / Conducted (dBm/10MHz)	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

FR1 n48 / 20MHz+40MHz / Lowest Channel / Conducted (dBm/10MHz)

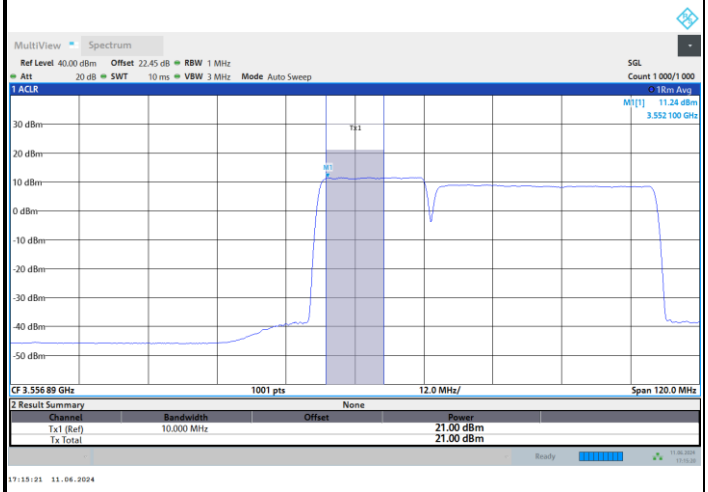
QPSK



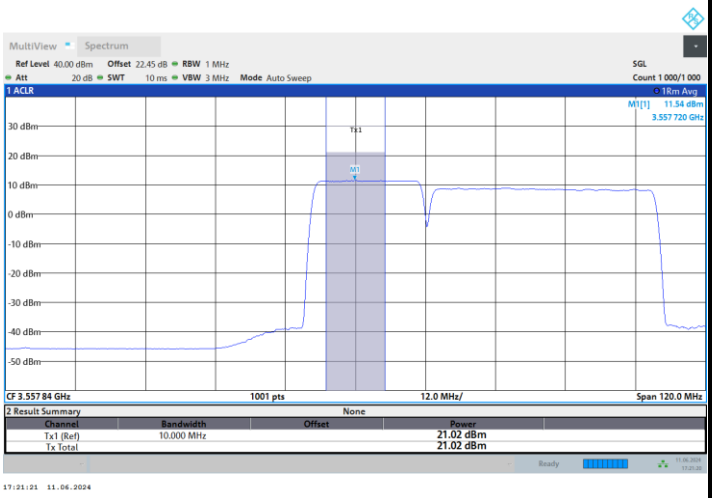
16QAM

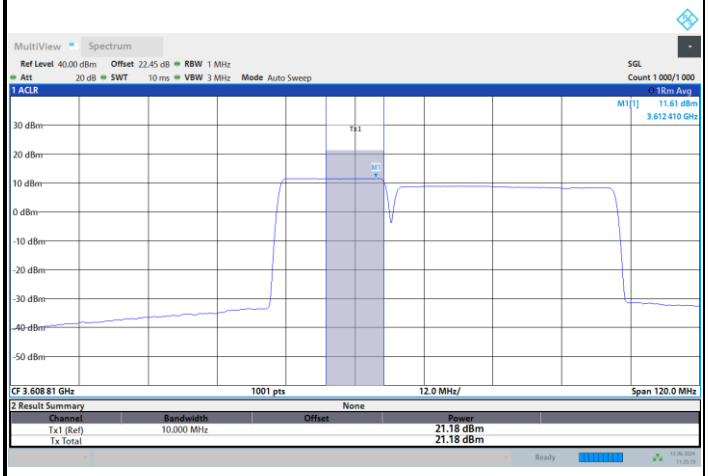
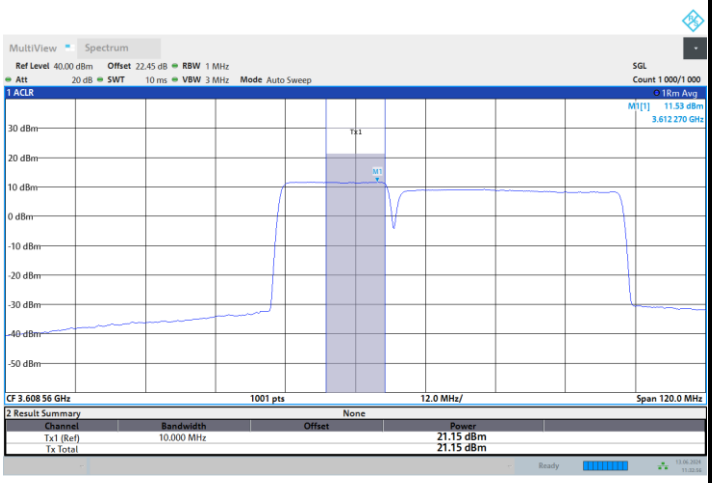
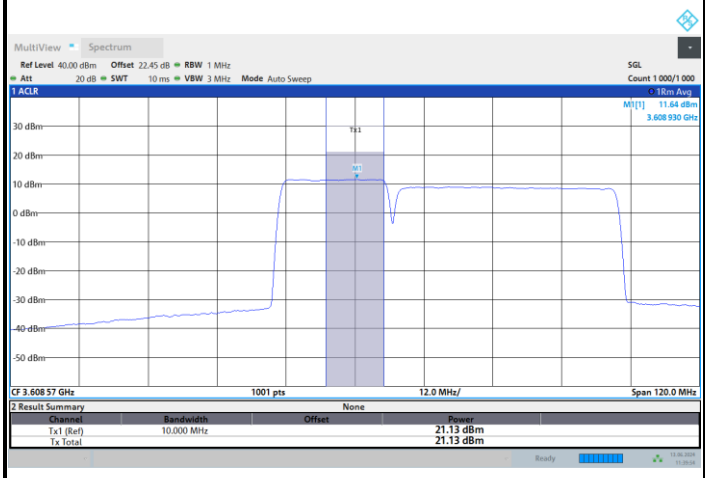
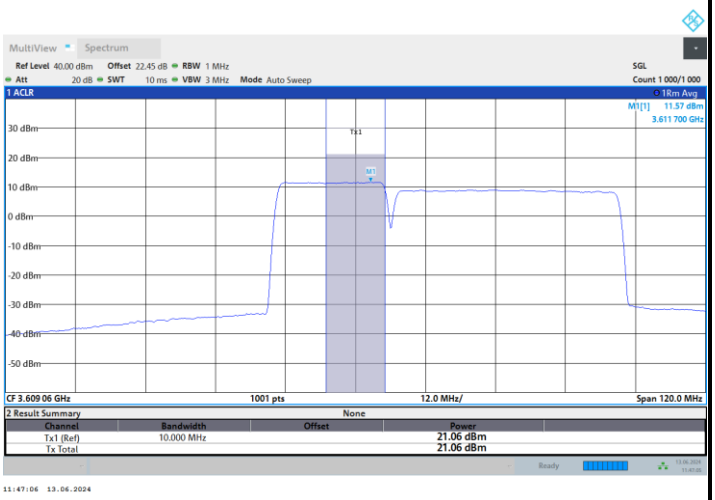


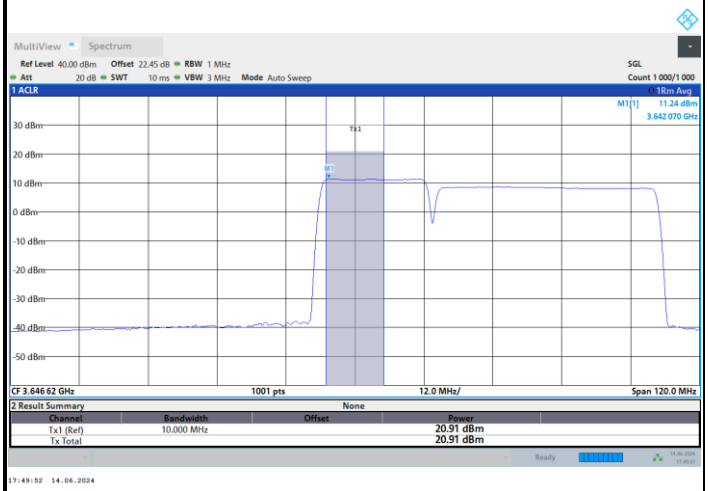
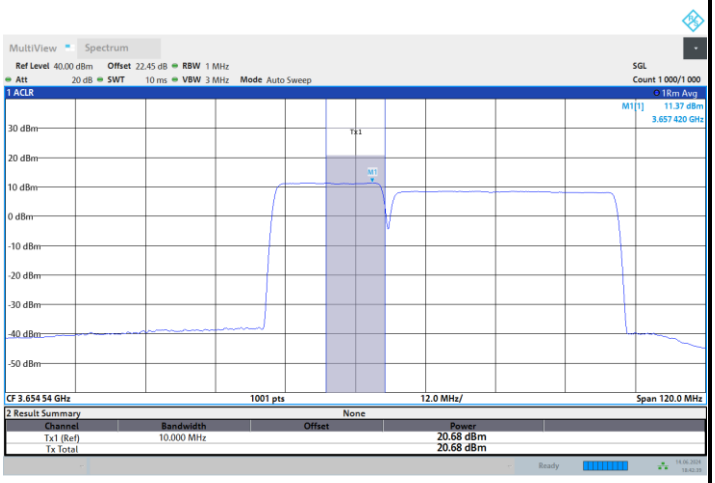
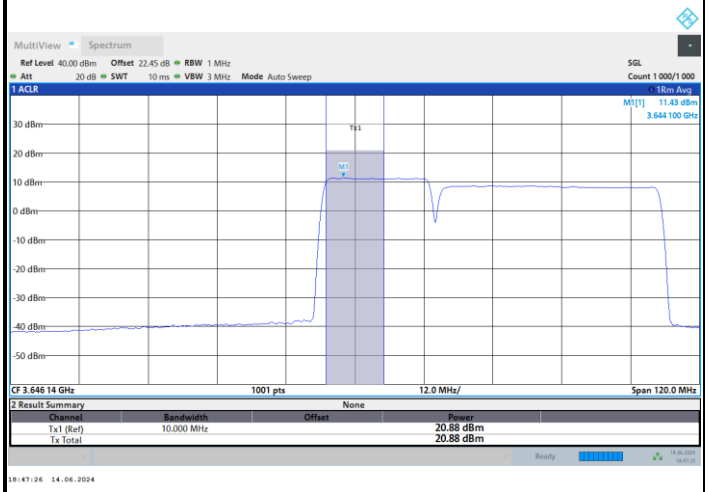
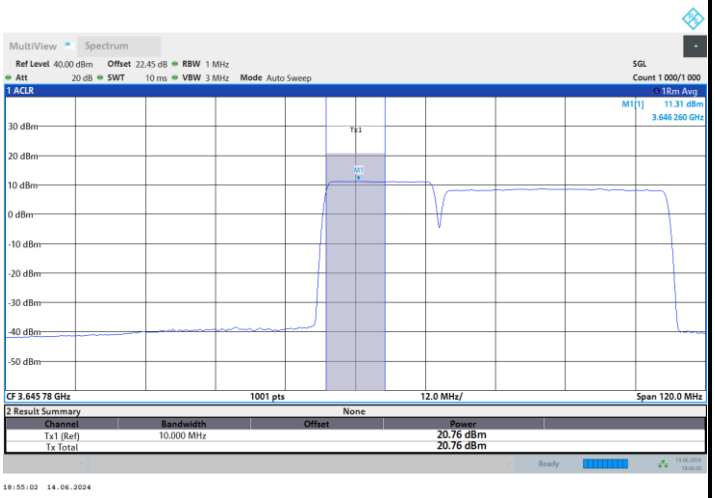
64QAM



256QAM

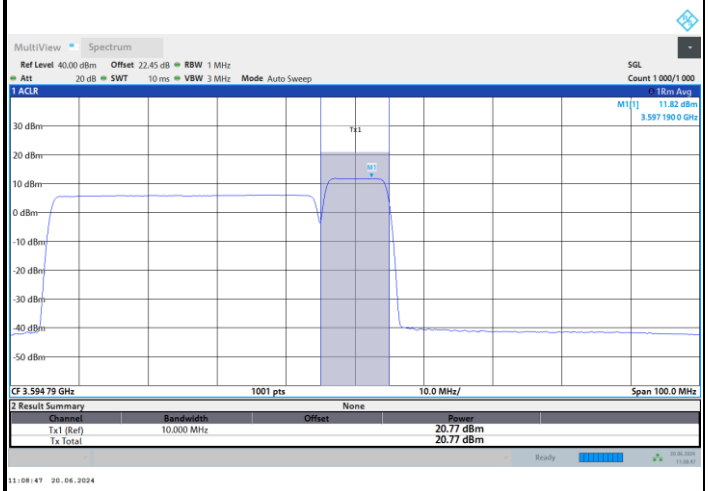


FR1 n48 / 20MHz+40MHz / Middle Channel / Conducted (dBm/10MHz)	
QPSK	16QAM
	
64QAM	256QAM
	

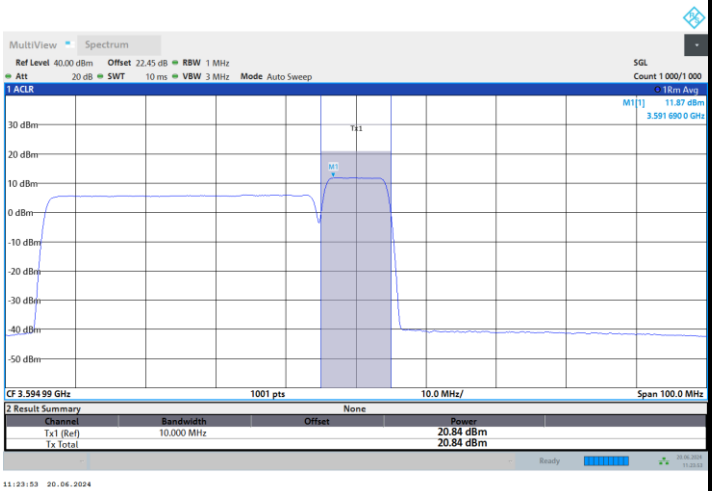
FR1 n48 / 20MHz+40MHz / Highest Channel / Conducted (dBm/10MHz)	
QPSK	16QAM
	
64QAM	256QAM
	

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

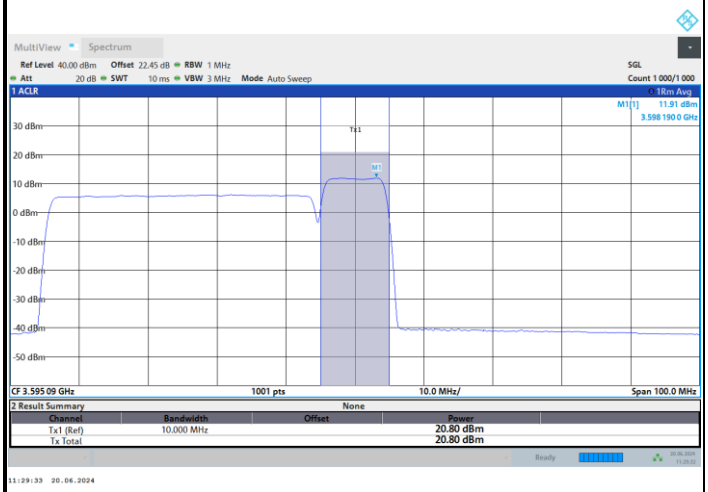
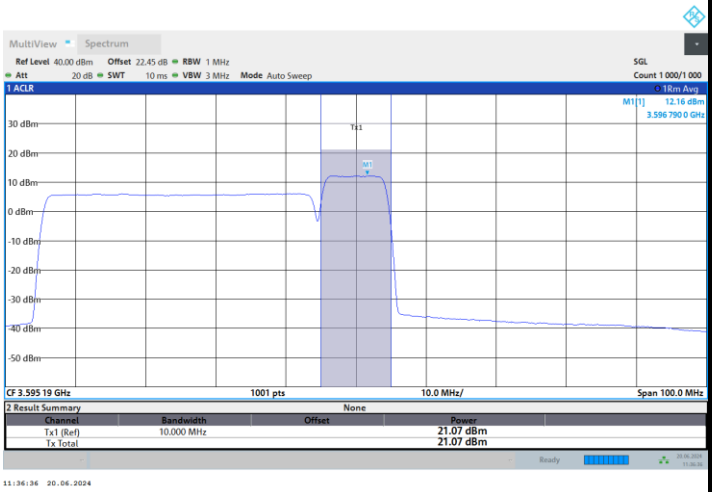
QPSK



16QAM



64QAM



256QAM