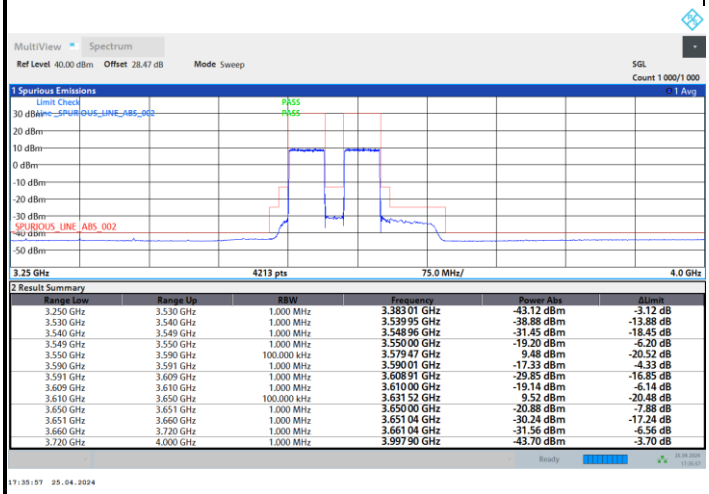
64QAM

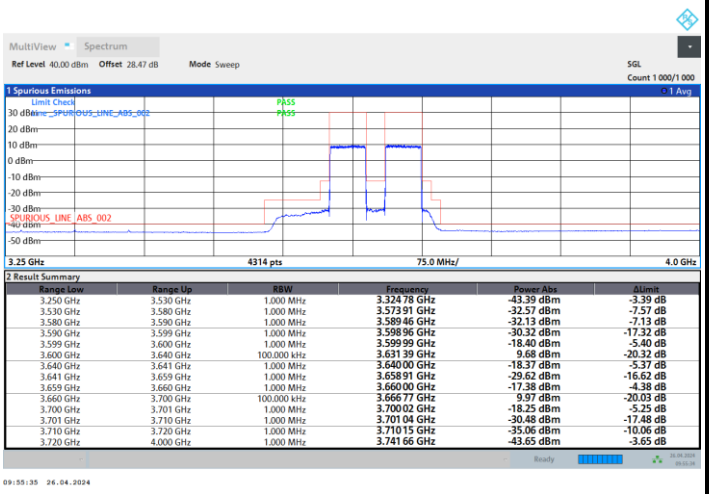
Lowest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.383 01 GHz	-43.12 dBm	-3.12 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 95 GHz	-38.88 dBm	-13.88 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 96 GHz	-31.45 dBm	-18.45 dB
3.549 GHz	3.550 GHz	1.000 MHz	3.550 00 GHz	-19.20 dBm	-6.20 dB
3.550 GHz	3.590 GHz	100.000 kHz	3.579 47 GHz	9.48 dBm	-20.52 dB
3.590 GHz	3.591 GHz	1.000 MHz	3.590 01 GHz	-17.33 dBm	-4.33 dB
3.591 GHz	3.609 GHz	1.000 MHz	3.608 91 GHz	-29.85 dBm	-16.85 dB
3.609 GHz	3.610 GHz	1.000 MHz	3.610 00 GHz	-19.14 dBm	-6.14 dB
3.610 GHz	3.650 GHz	100.000 kHz	3.631 52 GHz	9.52 dBm	-20.48 dB
3.650 GHz	3.651 GHz	1.000 MHz	3.650 00 GHz	-20.88 dBm	-7.88 dB
3.651 GHz	3.660 GHz	1.000 MHz	3.651 04 GHz	-30.24 dBm	-17.24 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.661 04 GHz	-31.56 dBm	-6.56 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.997 90 GHz	-43.70 dBm	-3.70 dB

17:35:57 25.04.2024

Highest Channel

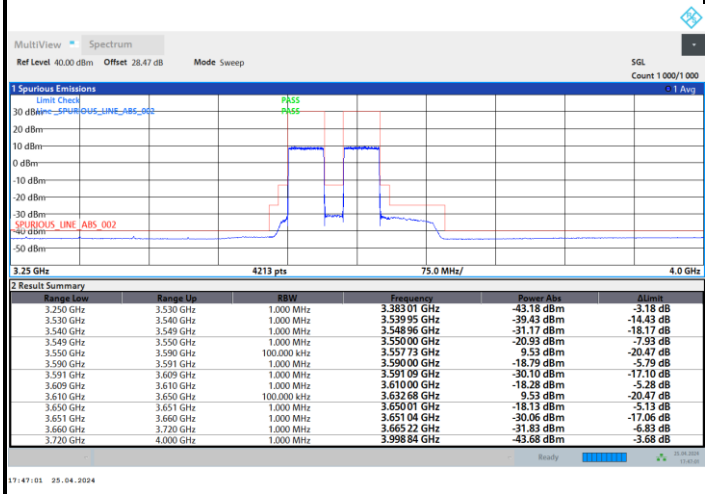


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.324 78 GHz	-43.39 dBm	-3.39 dB
3.530 GHz	3.580 GHz	1.000 MHz	3.573 91 GHz	-32.57 dBm	-7.57 dB
3.580 GHz	3.590 GHz	1.000 MHz	3.589 46 GHz	-32.13 dBm	-7.13 dB
3.590 GHz	3.599 GHz	1.000 MHz	3.598 96 GHz	-30.32 dBm	-17.32 dB
3.599 GHz	3.600 GHz	1.000 MHz	3.599 99 GHz	-18.40 dBm	-5.40 dB
3.600 GHz	3.640 GHz	100.000 kHz	3.631 39 GHz	9.68 dBm	-20.32 dB
3.640 GHz	3.641 GHz	1.000 MHz	3.640 00 GHz	-18.37 dBm	-5.37 dB
3.641 GHz	3.659 GHz	1.000 MHz	3.658 91 GHz	-29.62 dBm	-16.62 dB
3.659 GHz	3.660 GHz	1.000 MHz	3.660 00 GHz	-17.38 dBm	-4.38 dB
3.660 GHz	3.700 GHz	100.000 kHz	3.666 77 GHz	9.97 dBm	-20.03 dB
3.700 GHz	3.701 GHz	1.000 MHz	3.700 02 GHz	-18.25 dBm	-5.25 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.701 04 GHz	-30.48 dBm	-17.48 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.710 15 GHz	-35.06 dBm	-10.06 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.741 66 GHz	-43.65 dBm	-3.65 dB

09:55:35 26.04.2024

256QAM

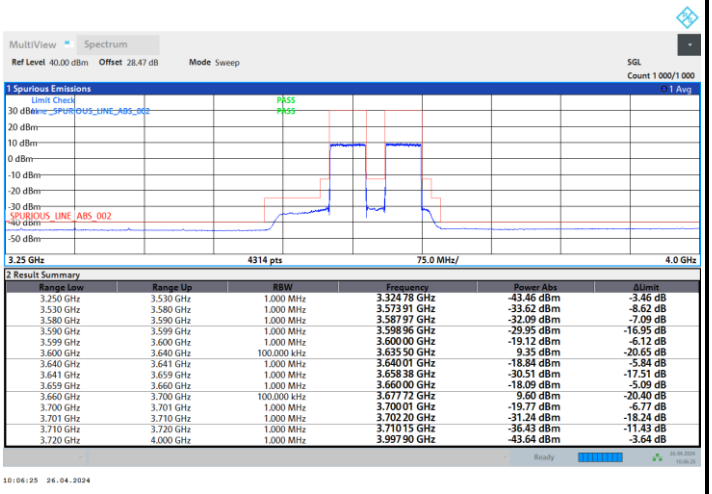
Lowest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.383 01 GHz	-43.18 dBm	-3.18 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 95 GHz	-39.43 dBm	-14.43 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 96 GHz	-31.17 dBm	-18.17 dB
3.549 GHz	3.550 GHz	1.000 MHz	3.550 00 GHz	-20.93 dBm	-7.93 dB
3.550 GHz	3.590 GHz	100.000 kHz	3.557 73 GHz	9.53 dBm	-20.47 dB
3.590 GHz	3.591 GHz	1.000 MHz	3.590 00 GHz	-18.79 dBm	-5.79 dB
3.591 GHz	3.609 GHz	1.000 MHz	3.591 09 GHz	-30.10 dBm	-17.10 dB
3.609 GHz	3.610 GHz	1.000 MHz	3.610 00 GHz	-18.28 dBm	-5.28 dB
3.610 GHz	3.650 GHz	100.000 kHz	3.632 68 GHz	9.53 dBm	-20.47 dB
3.650 GHz	3.651 GHz	1.000 MHz	3.650 01 GHz	-18.13 dBm	-5.13 dB
3.651 GHz	3.660 GHz	1.000 MHz	3.651 04 GHz	-30.06 dBm	-17.06 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.665 22 GHz	-31.83 dBm	-6.83 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.998 84 GHz	-43.68 dBm	-3.68 dB

17:47:01 25.04.2024

Highest Channel



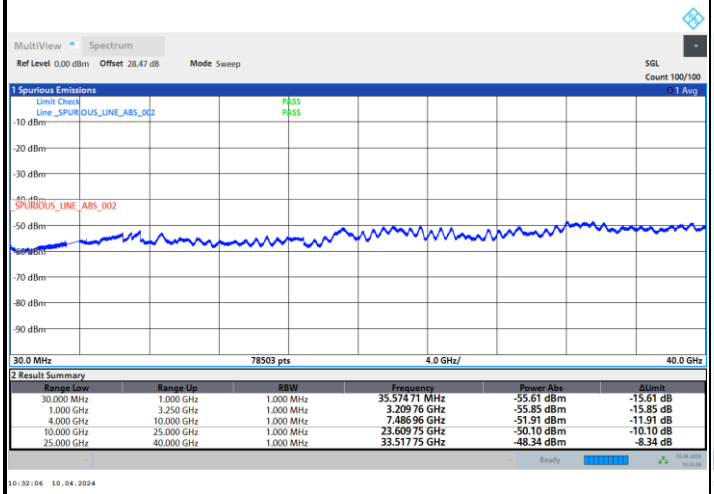
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.324 78 GHz	-43.46 dBm	-3.46 dB
3.530 GHz	3.580 GHz	1.000 MHz	3.573 91 GHz	-33.62 dBm	-8.62 dB
3.580 GHz	3.590 GHz	1.000 MHz	3.587 97 GHz	-32.09 dBm	-7.09 dB
3.590 GHz	3.599 GHz	1.000 MHz	3.598 96 GHz	-29.95 dBm	-16.95 dB
3.599 GHz	3.600 GHz	1.000 MHz	3.600 00 GHz	-19.12 dBm	-6.12 dB
3.600 GHz	3.640 GHz	100.000 kHz	3.635 50 GHz	9.35 dBm	-20.65 dB
3.640 GHz	3.641 GHz	1.000 MHz	3.640 01 GHz	-18.84 dBm	-5.84 dB
3.641 GHz	3.659 GHz	1.000 MHz	3.658 38 GHz	-30.51 dBm	-17.51 dB
3.659 GHz	3.660 GHz	1.000 MHz	3.660 00 GHz	-18.09 dBm	-5.09 dB
3.660 GHz	3.700 GHz	100.000 kHz	3.677 72 GHz	9.60 dBm	-20.40 dB
3.700 GHz	3.701 GHz	1.000 MHz	3.700 01 GHz	-19.77 dBm	-6.77 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.702 20 GHz	-31.24 dBm	-18.24 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.710 15 GHz	-36.43 dBm	-11.43 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.997 90 GHz	-43.64 dBm	-3.64 dB

10:06:25 26.04.2024

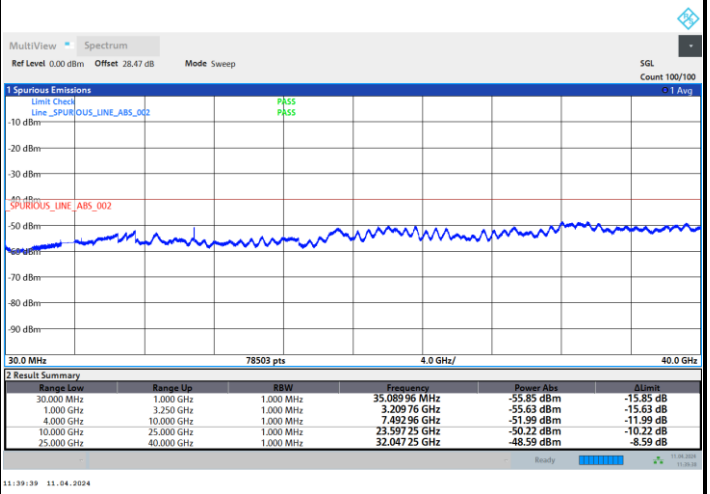
Conducted Spurious Emission

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

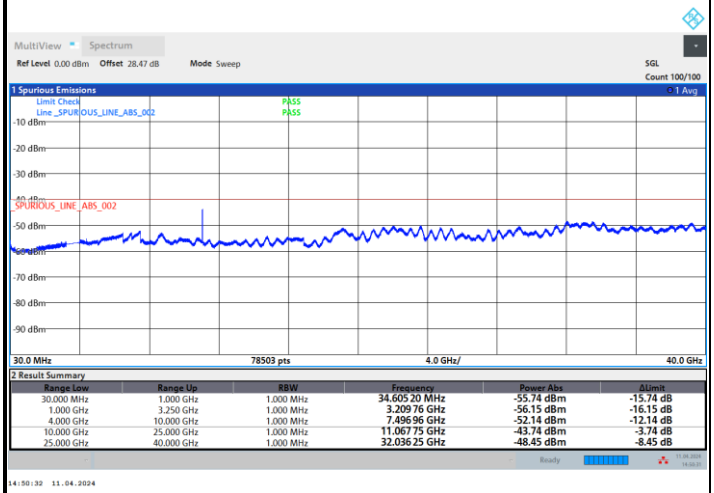
Lowest Channel



Middle Channel

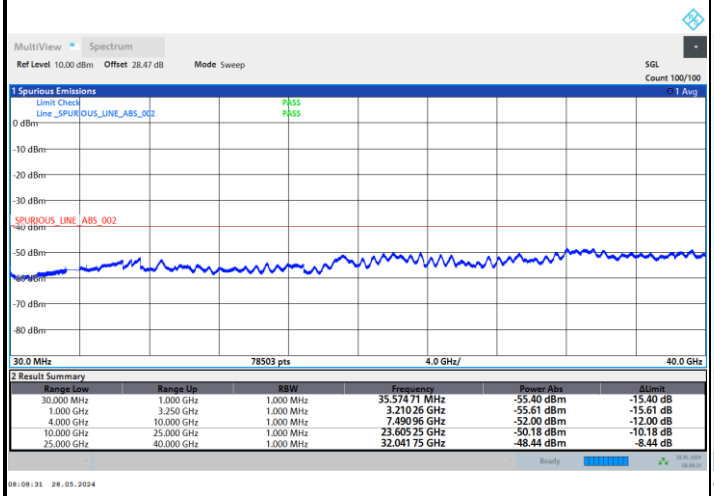


Highest Channel

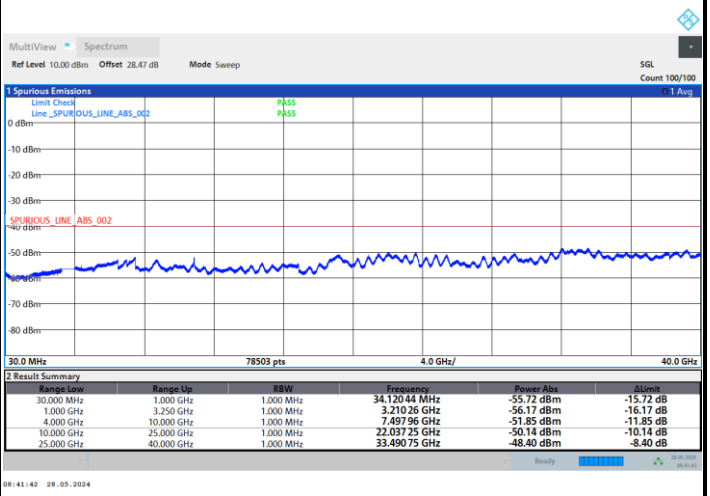


FR1 n48 / 10MHz+20MHz / QPSK / CSE

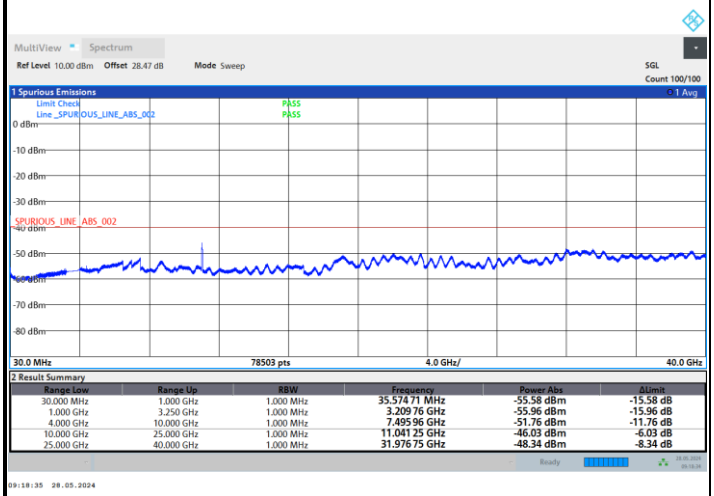
Lowest Channel



Middle Channel

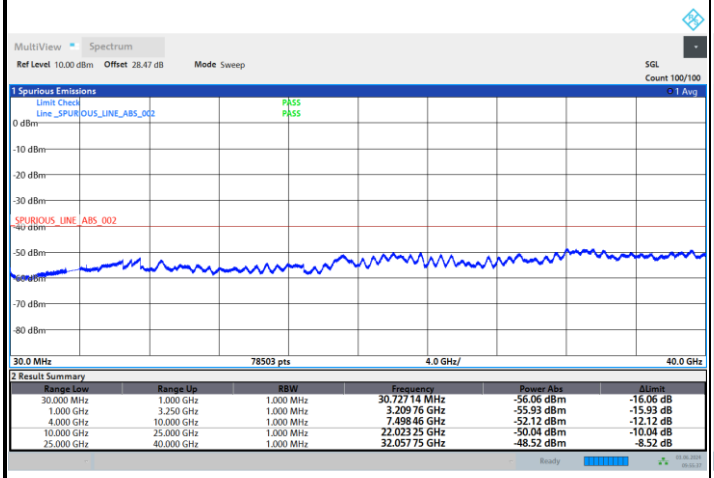


Highest Channel

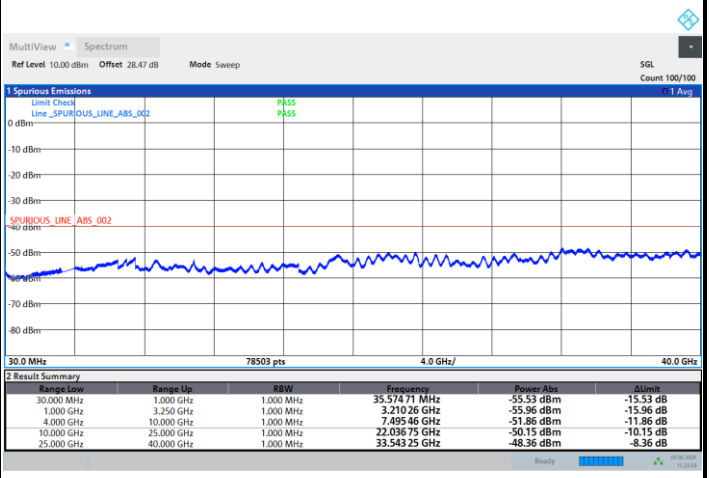


FR1 n48 / 10MHz+40MHz / QPSK / CSE

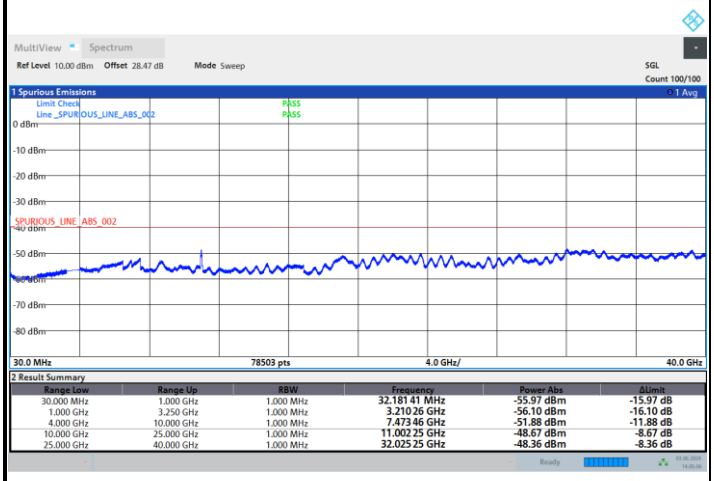
Lowest Channel



Middle Channel

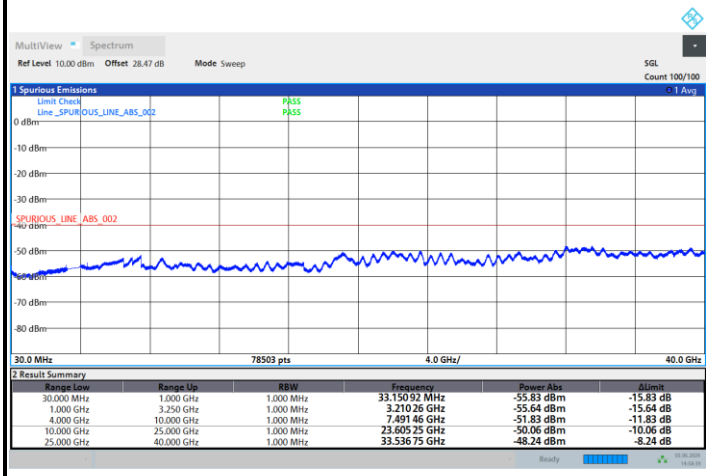


Highest Channel

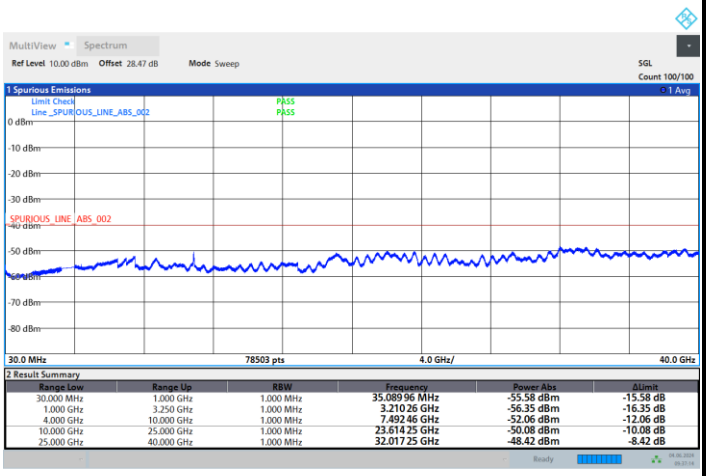


FR1 n48 / 20MHz+10MHz / QPSK / CSE

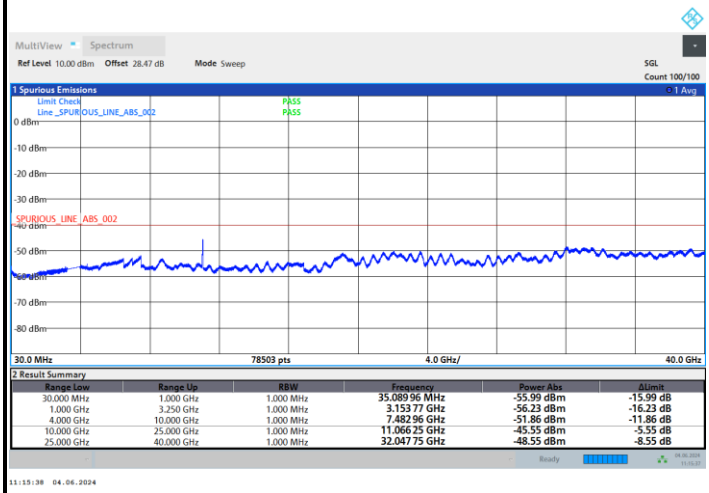
Lowest Channel



Middle Channel

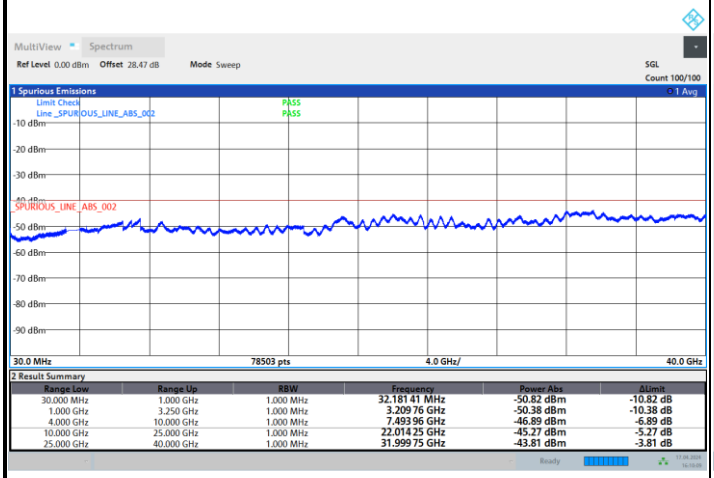


Highest Channel

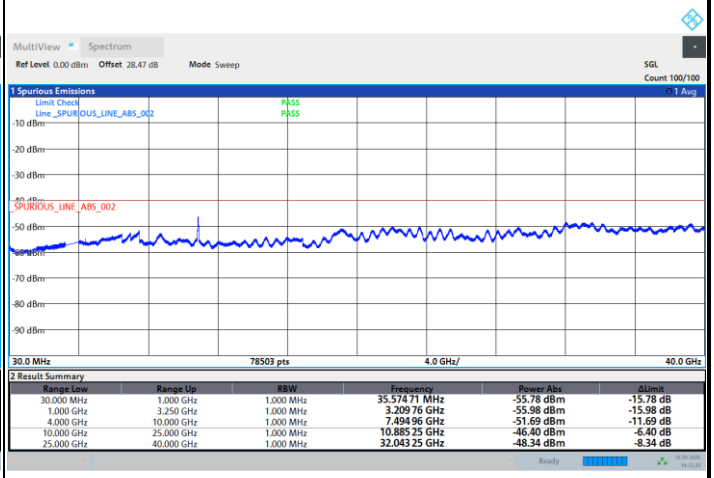


FR1 n48 / 20MHz+20MHz / QPSK / CSE

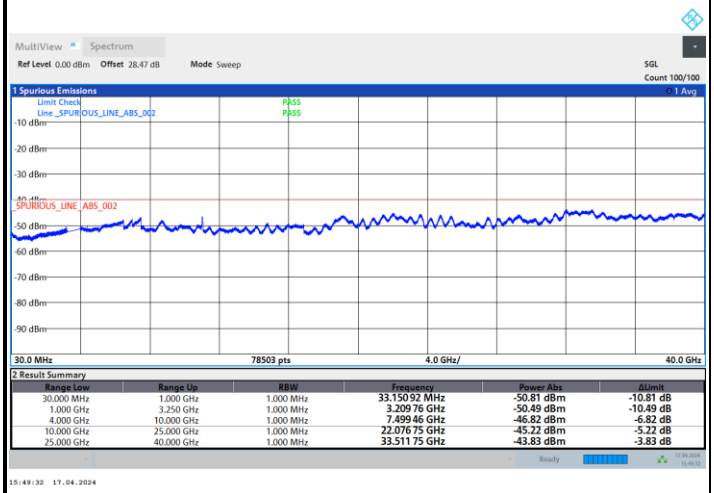
Lowest Channel



Middle Channel

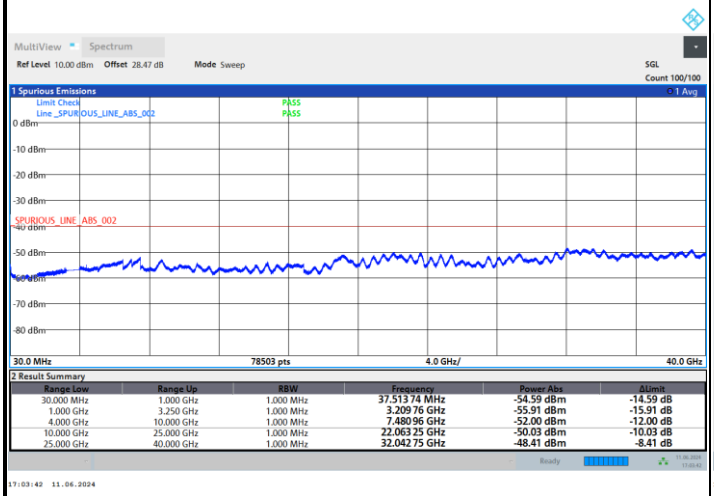


Highest Channel

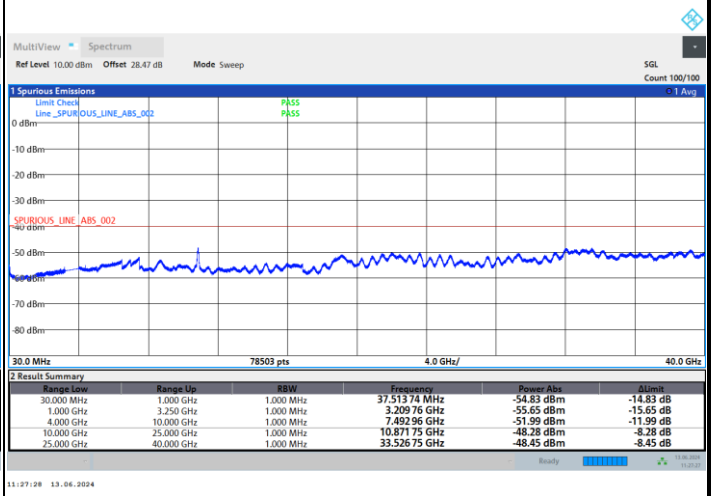


FR1 n48 / 20MHz+40MHz / QPSK / CSE

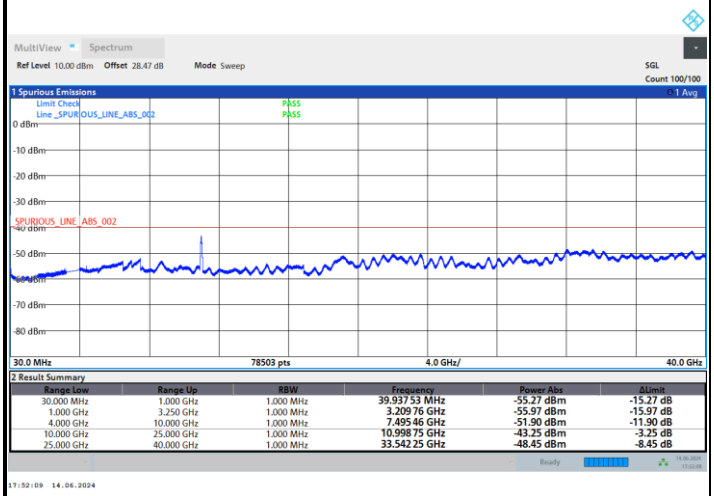
Lowest Channel



Middle Channel

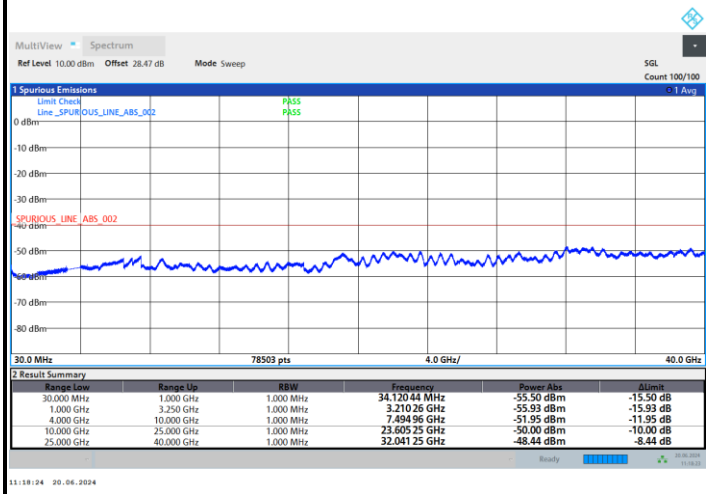


Highest Channel

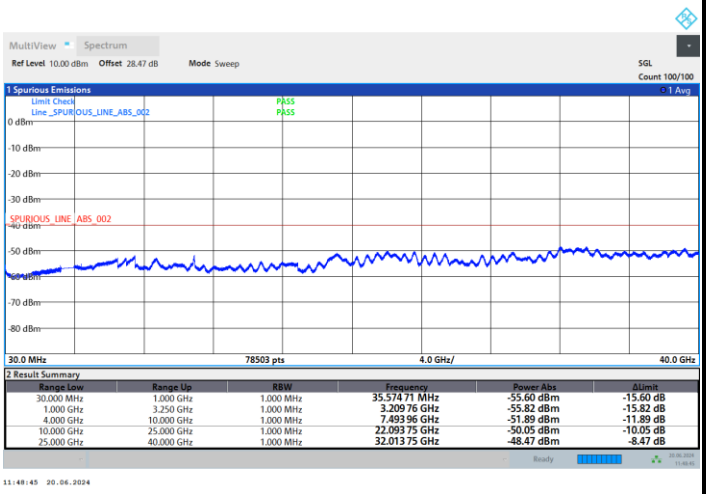


FR1 n48 / 40MHz+10MHz / QPSK / CSE

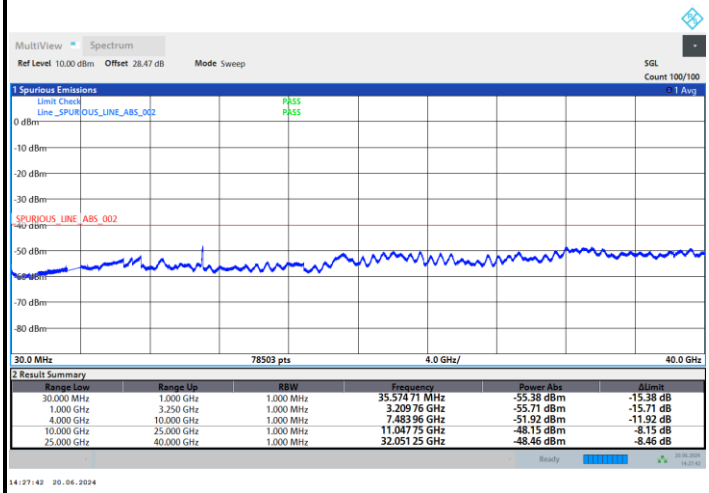
Lowest Channel



Middle Channel

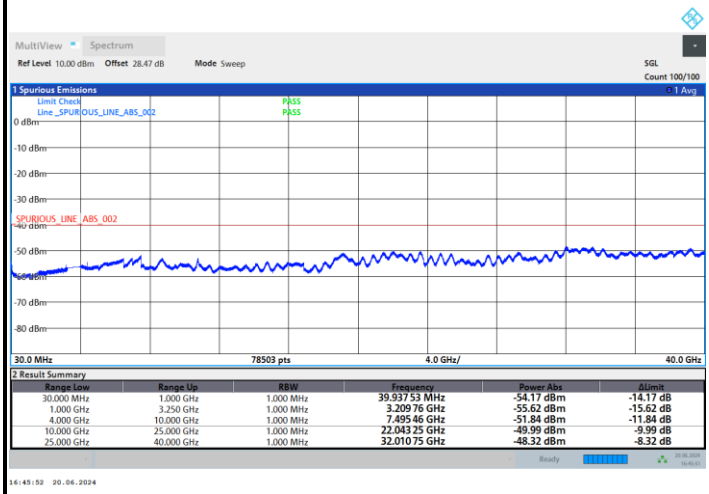


Highest Channel

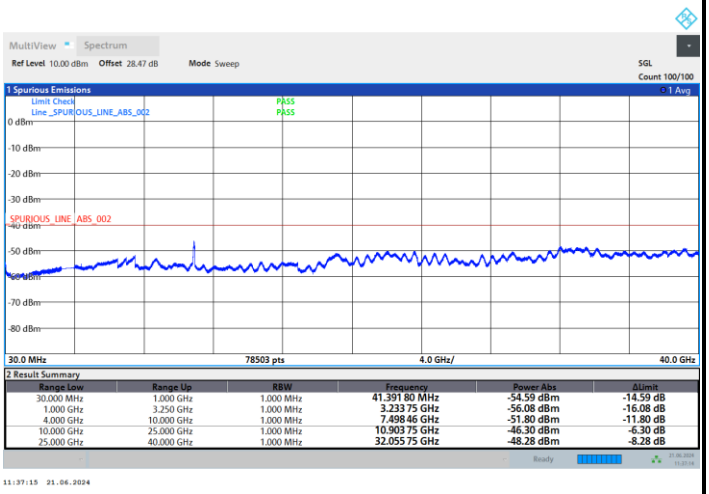


FR1 n48 / 40MHz+20MHz / QPSK / CSE

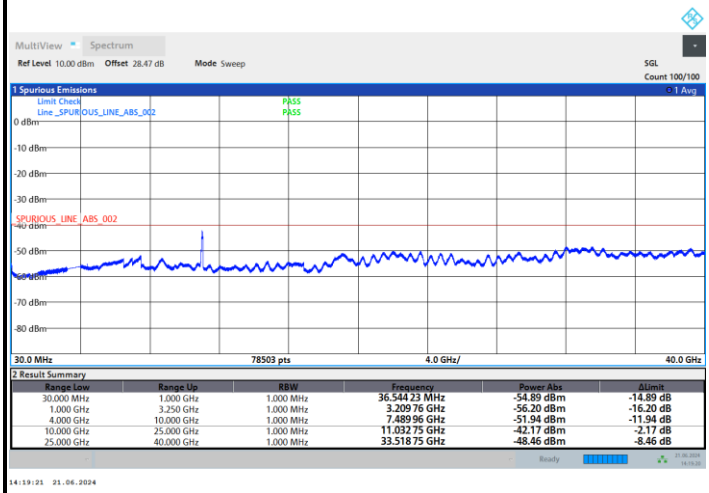
Lowest Channel



Middle Channel

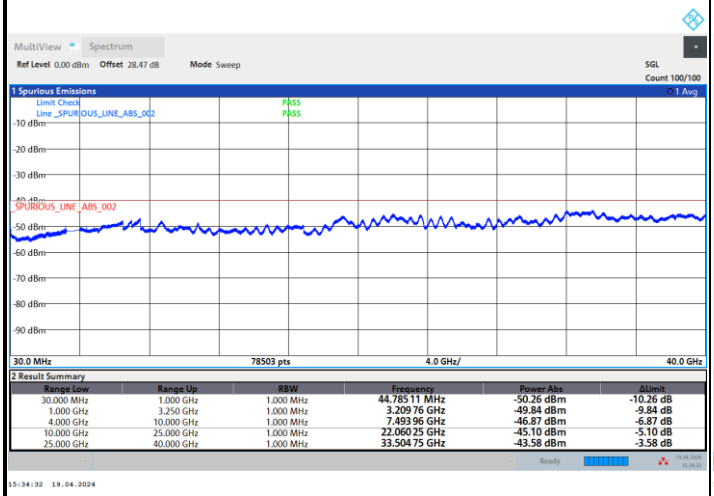


Highest Channel

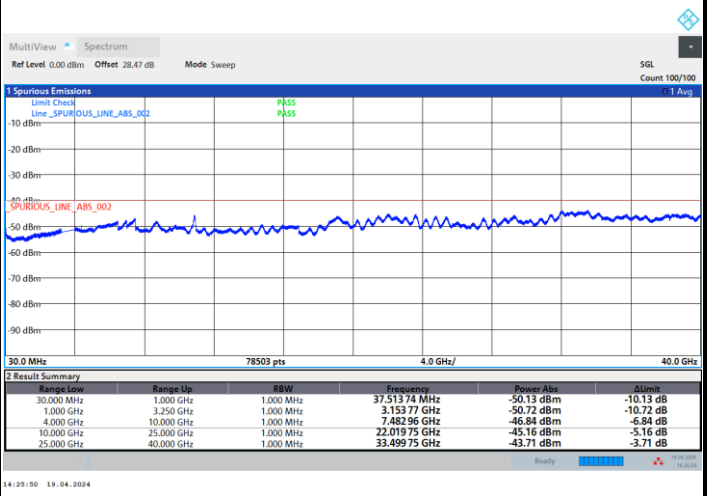


FR1 n48 / 40MHz+40MHz / QPSK / CSE

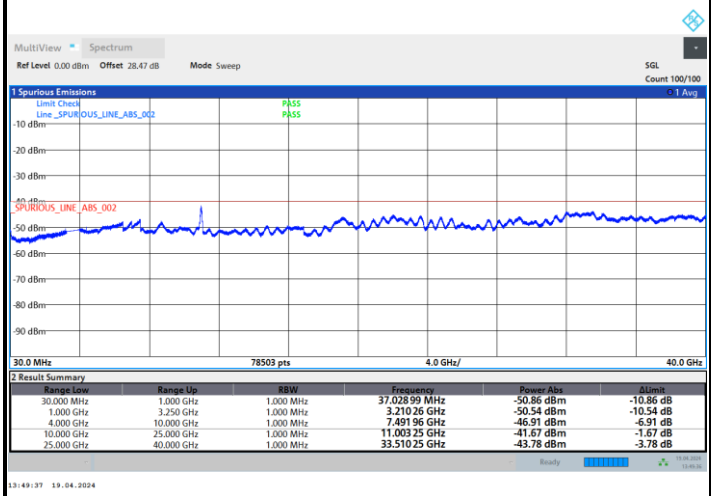
Lowest Channel



Middle Channel

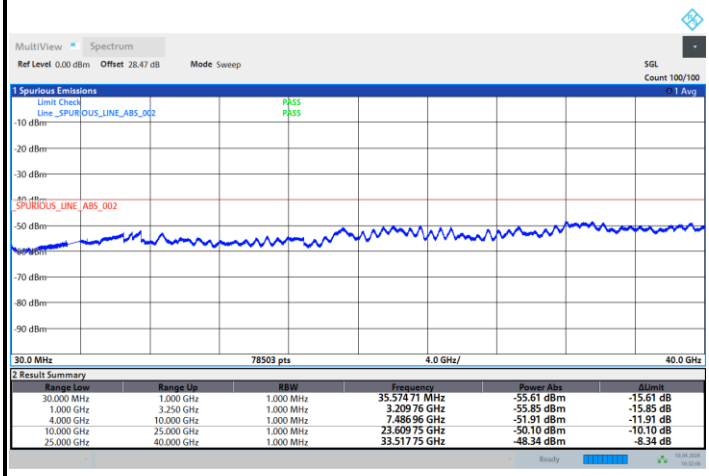


Highest Channel



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

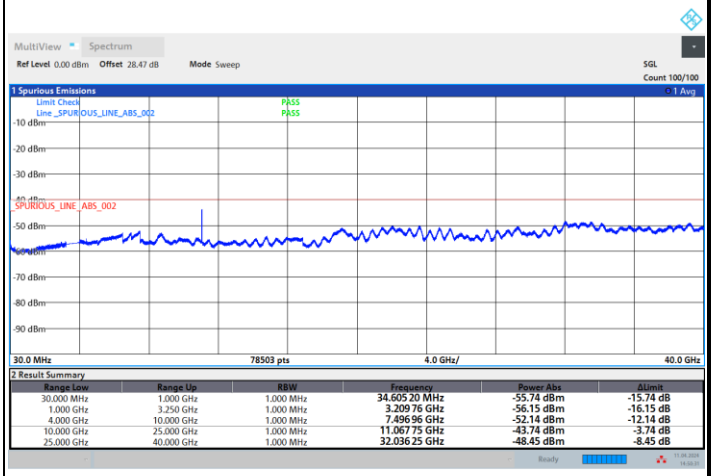
Lowest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	35.574 71 MHz	-55.61 dBm	-15.61 dB
1.000 GHz	3.250 GHz	1.000 MHz	3.209 76 GHz	-55.85 dBm	-15.85 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.486 96 GHz	-51.91 dBm	-11.91 dB
10.000 GHz	25.000 GHz	1.000 MHz	23.609 75 GHz	-50.10 dBm	-10.10 dB
25.000 GHz	40.000 GHz	1.000 MHz	33.517 75 GHz	-48.34 dBm	-8.34 dB

10:32:06 10.04.2024

Highest Channel

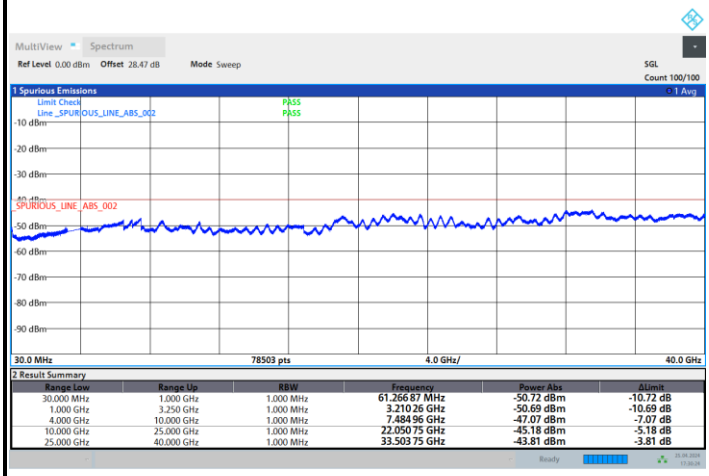


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	34.605 20 MHz	-55.74 dBm	-15.74 dB
1.000 GHz	3.250 GHz	1.000 MHz	3.209 76 GHz	-56.15 dBm	-16.15 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.496 96 GHz	-52.14 dBm	-12.14 dB
10.000 GHz	25.000 GHz	1.000 MHz	11.067 75 GHz	-43.74 dBm	-3.74 dB
25.000 GHz	40.000 GHz	1.000 MHz	32.036 25 GHz	-48.45 dBm	-8.45 dB

14:50:32 11.04.2024

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

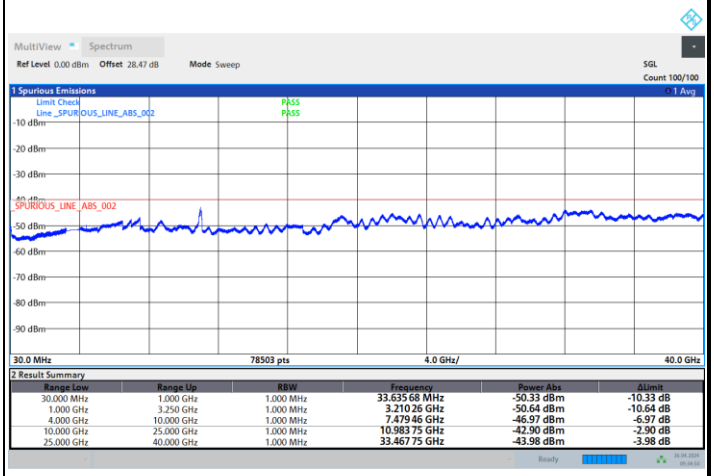
Lowest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	61.266 87 MHz	-50.72 dBm	-10.72 dB
1.000 GHz	3.250 GHz	1.000 MHz	3.210 26 GHz	-50.69 dBm	-10.69 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.484 96 GHz	-47.07 dBm	-7.07 dB
10.000 GHz	25.000 GHz	1.000 MHz	22.050 75 GHz	-45.18 dBm	-5.18 dB
25.000 GHz	40.000 GHz	1.000 MHz	33.503 75 GHz	-43.81 dBm	-3.81 dB

17:30:25 25.04.2024

Highest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	33.635 68 MHz	-50.33 dBm	-10.33 dB
1.000 GHz	3.250 GHz	1.000 MHz	3.210 26 GHz	-50.64 dBm	-10.64 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.479 46 GHz	-46.97 dBm	-6.97 dB
10.000 GHz	25.000 GHz	1.000 MHz	10.983 75 GHz	-42.90 dBm	-2.90 dB
25.000 GHz	40.000 GHz	1.000 MHz	33.467 75 GHz	-43.98 dBm	-3.98 dB

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<MIMO ANT 3>

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	21.48	21.53	21.46	21.47	21.43	21.30	21.63	21.57
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	21.50	21.70	21.53	21.63	21.26	21.21	21.42	21.57
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	22.09	21.89	22.01	22.08	21.21	21.24	21.80	21.71
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	21.95	21.92	22.03	21.83	21.15	21.21	21.72	21.99
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Lowest CH	22.43	22.63						
Mod.	64QAM	256QAM						
Lowest CH	22.52	22.28						

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Lowest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Lowest CH	21.02	20.99	22.40	22.74				
Mod.	64QAM	256QAM	64QAM	256QAM				
Lowest CH	21.19	21.41	22.57	22.45				

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	45.00	45.05	44.98	44.99	44.95	44.82	45.15	45.09
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	45.02	45.22	45.05	45.15	44.78	44.73	44.94	45.09
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	45.61	45.41	45.53	45.60	44.73	44.76	45.32	45.23
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	45.47	45.44	45.55	45.35	44.67	44.73	45.24	45.51
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Lowest CH	45.95	46.15						
Mod.	64QAM	256QAM						
Lowest CH	46.04	45.80						
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	44.54	44.51	45.92	46.26				
Mod.	64QAM	256QAM	64QAM	256QAM				
Lowest CH	44.71	44.93	46.09	45.97				
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	21.26	21.18	21.22	21.14	21.26	21.32	21.00	20.95
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	21.17	21.28	21.15	21.12	21.36	21.34	20.85	20.97
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	21.51	21.46	21.65	21.92	21.28	21.30	21.81	21.58
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	21.43	21.68	21.91	21.88	21.40	21.40	21.59	21.67
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	22.61	22.42						
Mod.	64QAM	256QAM						
Middle CH	22.57	22.59						

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	44.78	44.70	44.74	44.66	44.78	44.84	44.52	44.47
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	44.69	44.80	44.67	44.64	44.88	44.86	44.37	44.49
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	45.03	44.98	45.17	45.44	44.80	44.82	45.33	45.10
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	44.95	45.20	45.43	45.40	44.92	44.92	45.11	45.19
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	46.13	45.94						
Mod.	64QAM	256QAM						
Middle CH	46.09	46.11						
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	20.77	20.80	21.12	20.97	21.23	21.08	20.50	20.38
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	20.90	20.91	21.06	21.03	21.10	21.22	20.48	20.46
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	21.72	21.74	21.42	21.60	20.46	20.53	20.98	21.05
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	21.83	21.77	21.44	21.29	20.59	20.47	21.04	21.05
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Highest CH	22.59	22.62						
Mod.	64QAM	256QAM						
Highest CH	22.62	22.65						

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Highest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Highest CH	21.10	21.06	22.50	22.60				
Mod.	64QAM	256QAM	64QAM	256QAM				
Highest CH	21.10	21.25	22.63	22.84				

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	44.29	44.32	44.64	44.49	44.75	44.6	44.02	43.90
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	44.42	44.43	44.58	44.55	44.62	44.74	44.00	43.98
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	45.24	45.26	44.94	45.12	43.98	44.05	44.50	44.57
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	45.35	45.29	44.96	44.81	44.11	43.99	44.56	44.57
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Highest CH	46.11	46.14						
Mod.	64QAM	256QAM						
Highest CH	46.14	46.17						
Limit	47dBm/10MHz							
Result	PASS							

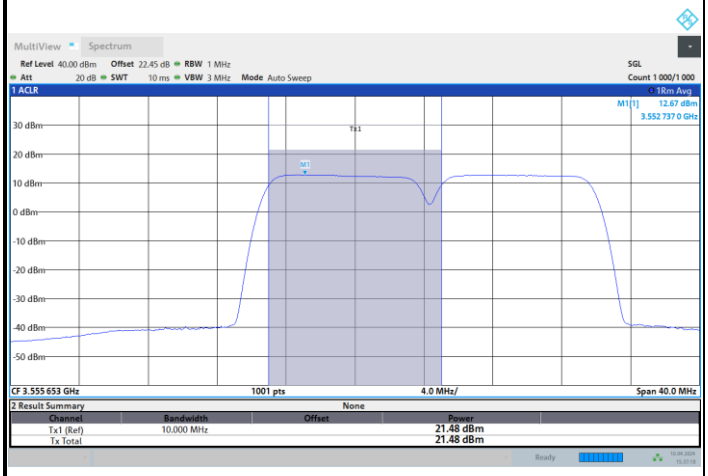
Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Highest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Highest CH	44.62	44.58	46.02	46.12				
Mod.	64QAM	256QAM	64QAM	256QAM				
Highest CH	44.62	44.77	46.15	46.36				
Limit	47dBm/10MHz							
Result	PASS							

Note

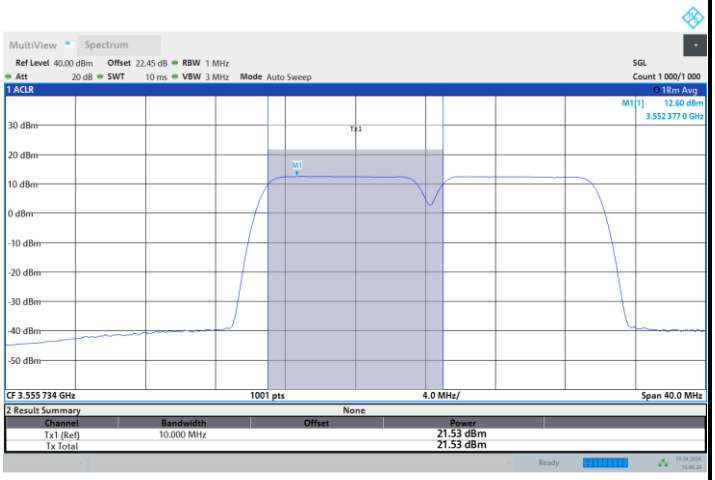
1. The measured conducted result has included duty cycle offset factor.
2. The Maximum EIRP = conducted result + 6.02dB (4TX) + 17.5dBi MIMO antenna gain.

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

QPSK



16QAM



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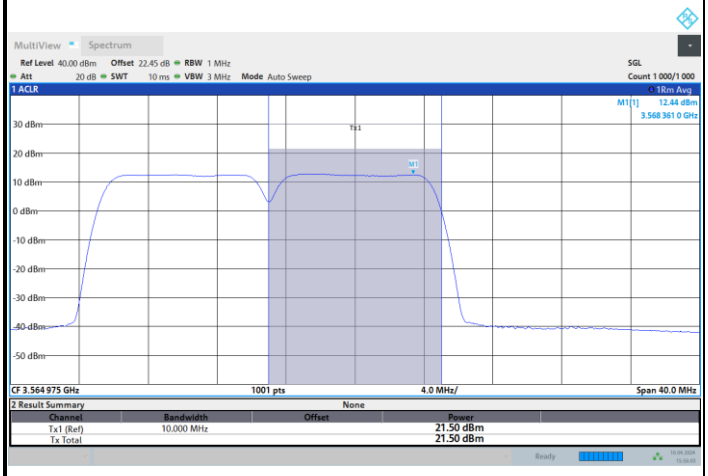
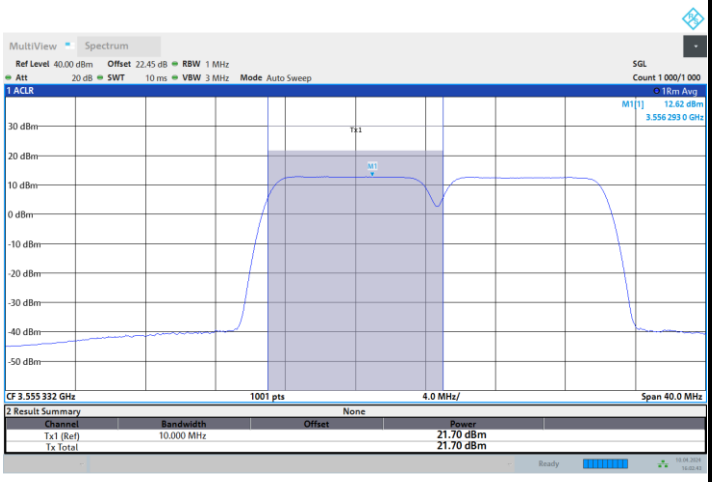
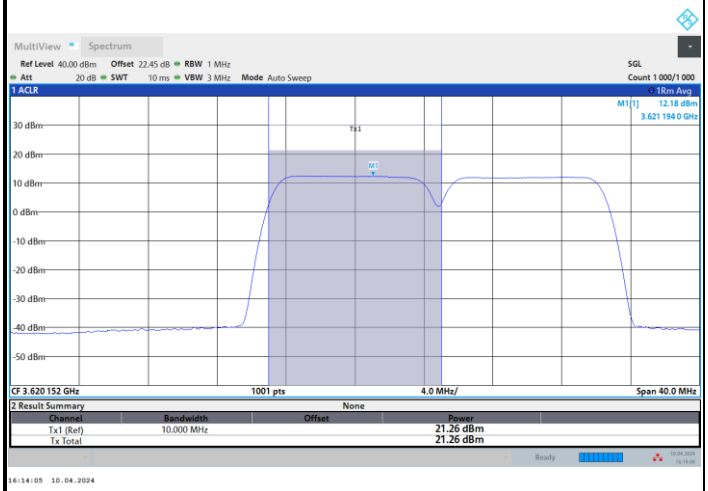


256QAM



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

QPSK



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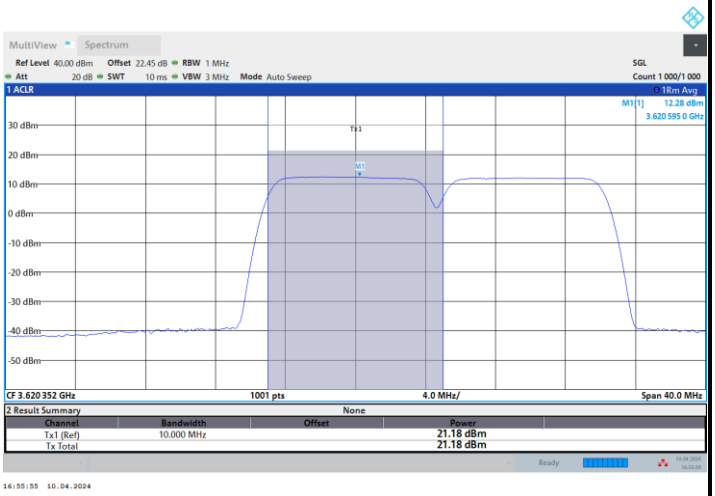

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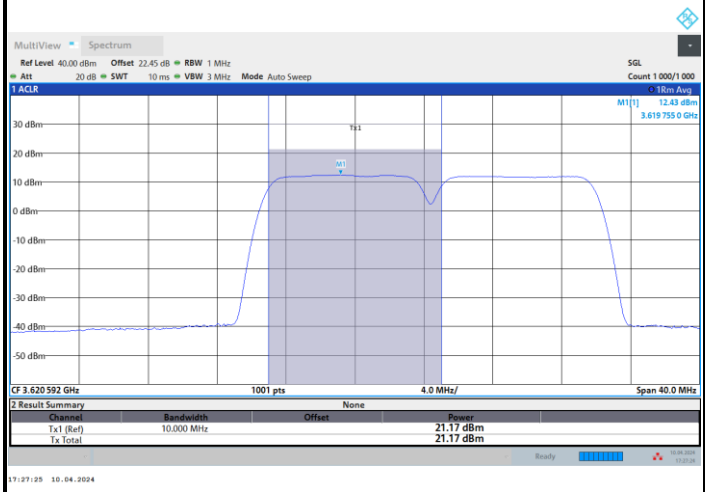
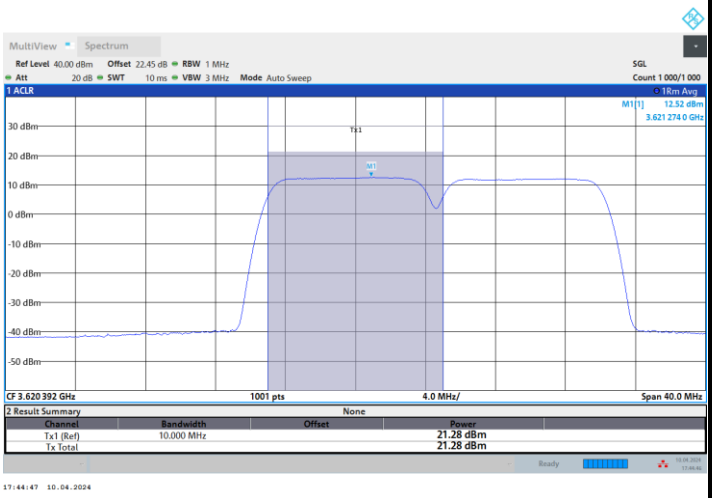
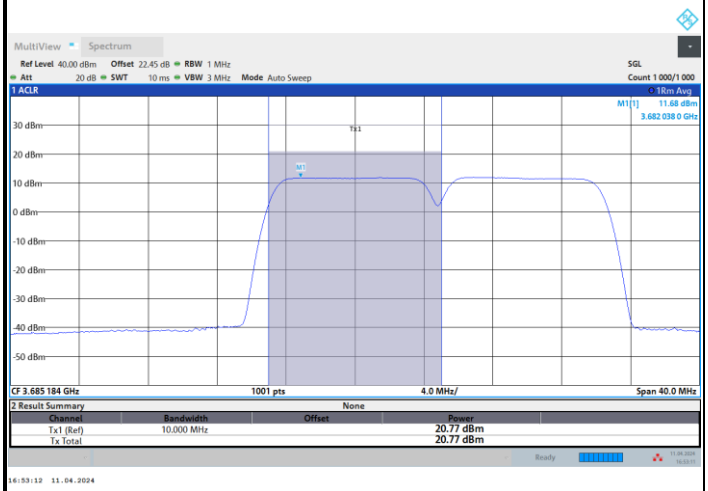
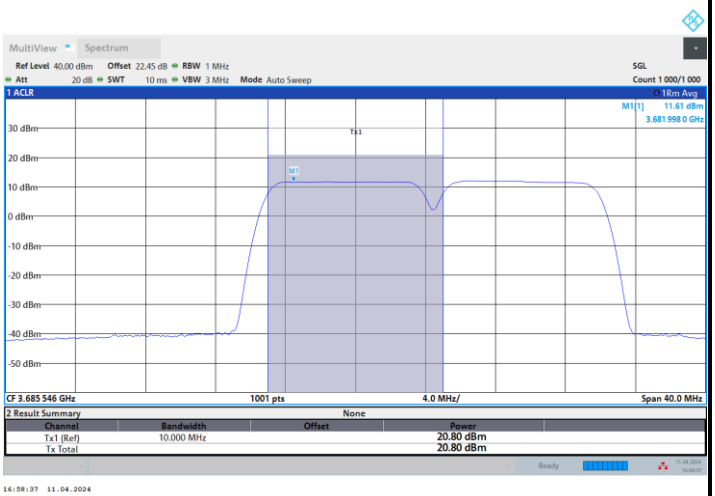
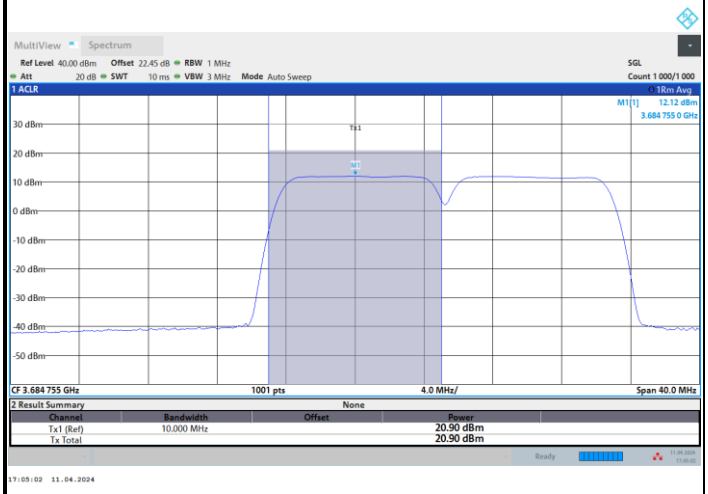
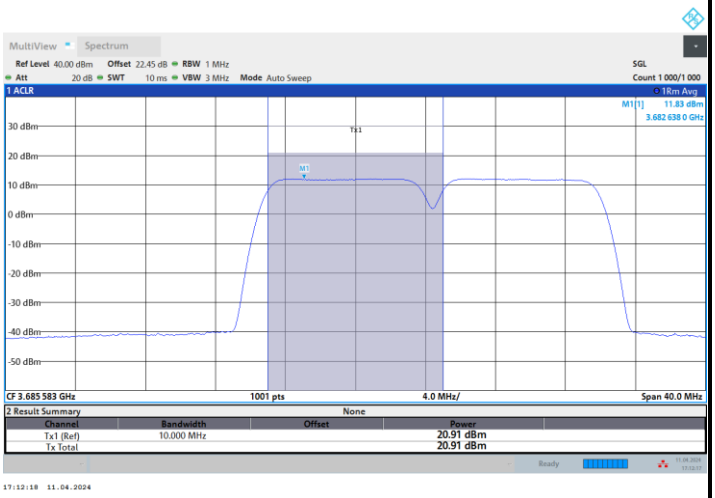


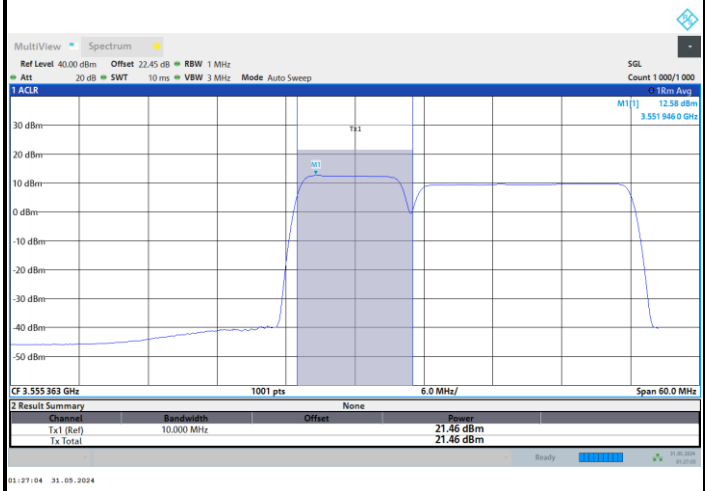
256QAM



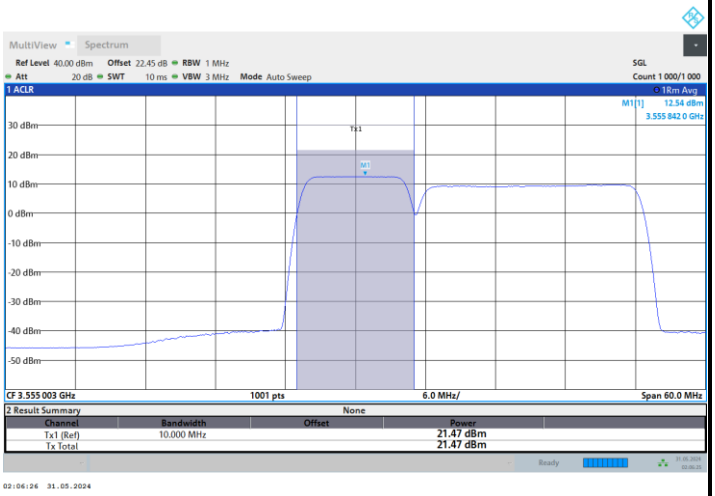
FR1 n48 / 10MHz+10MHz / Highest Channel / Conducted (dBm/10MHz)	
QPSK	16QAM
	
64QAM	256QAM
	

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

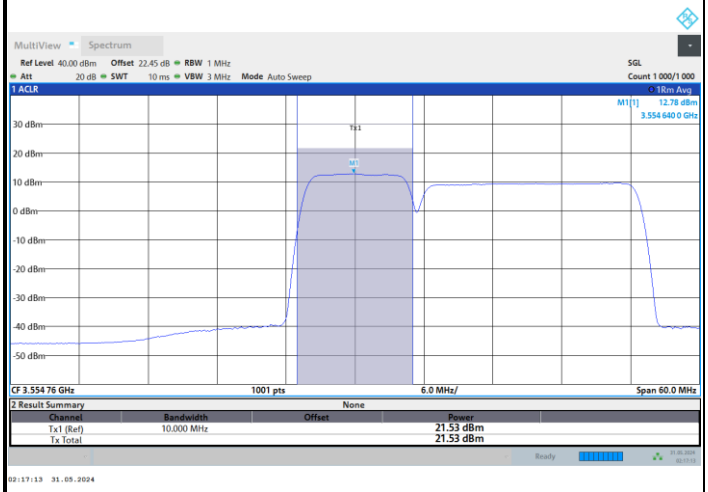
QPSK



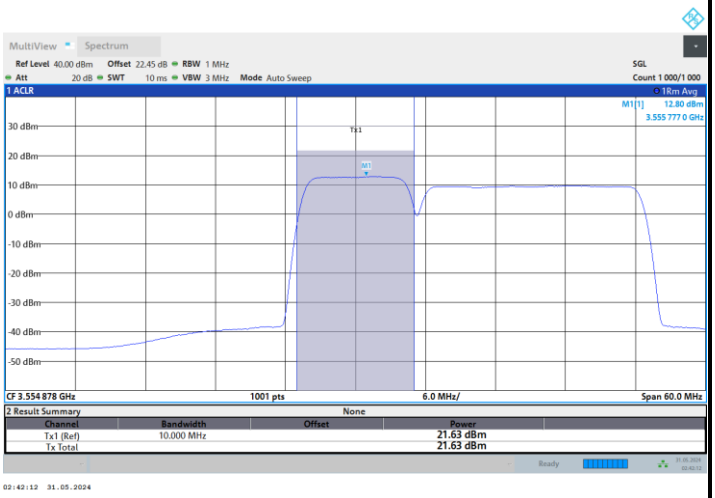
16QAM

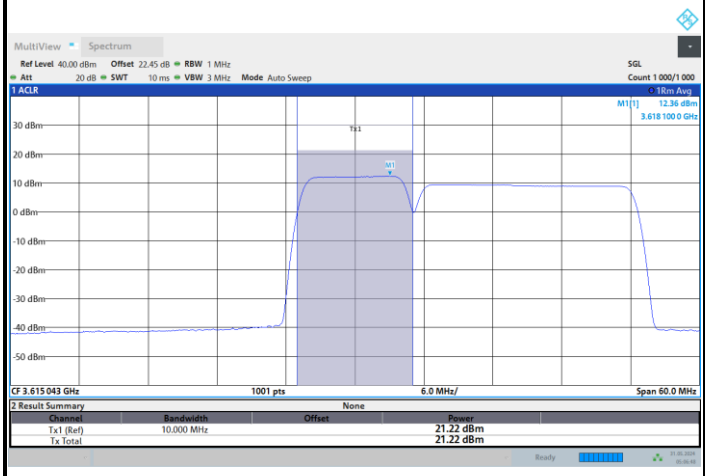
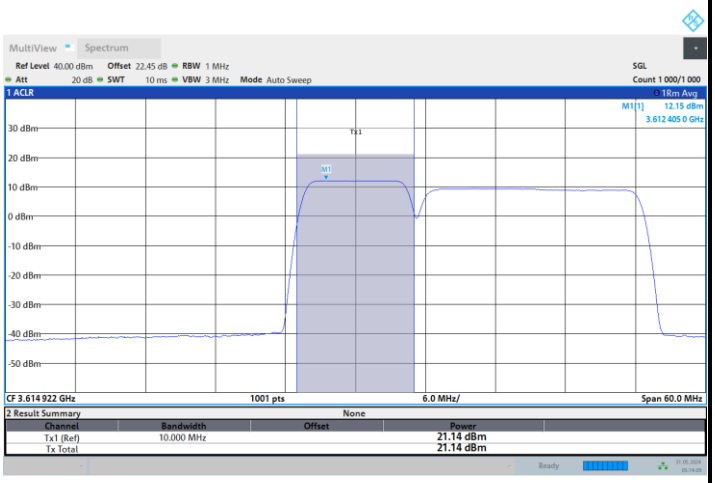
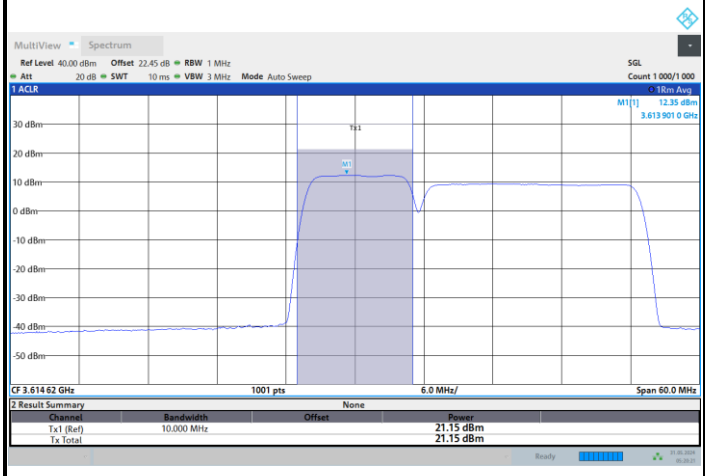
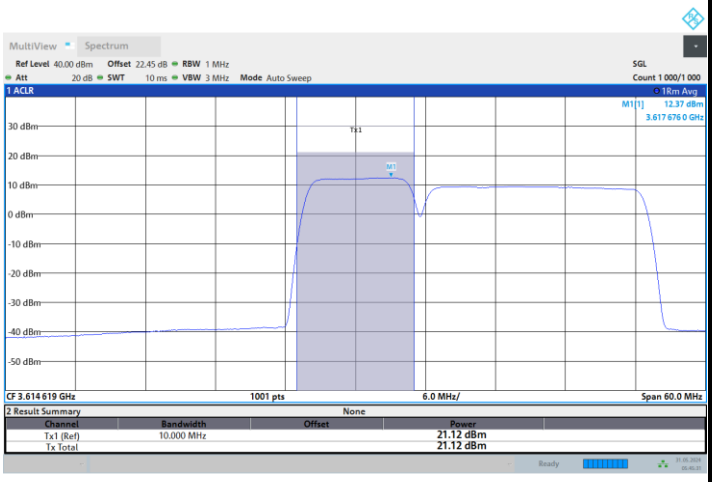


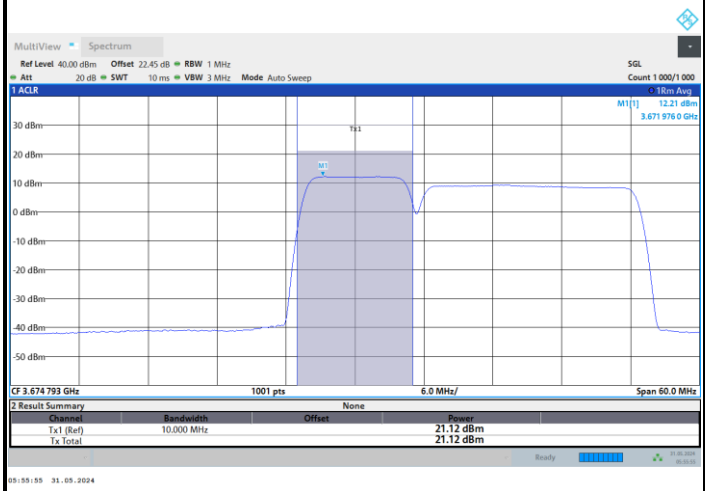
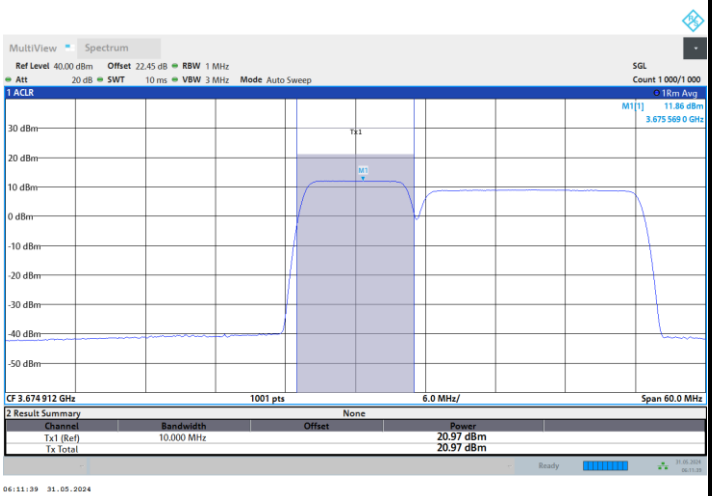
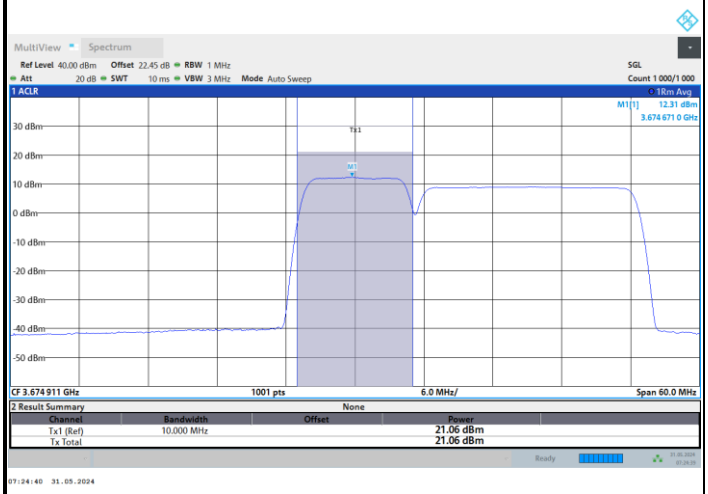
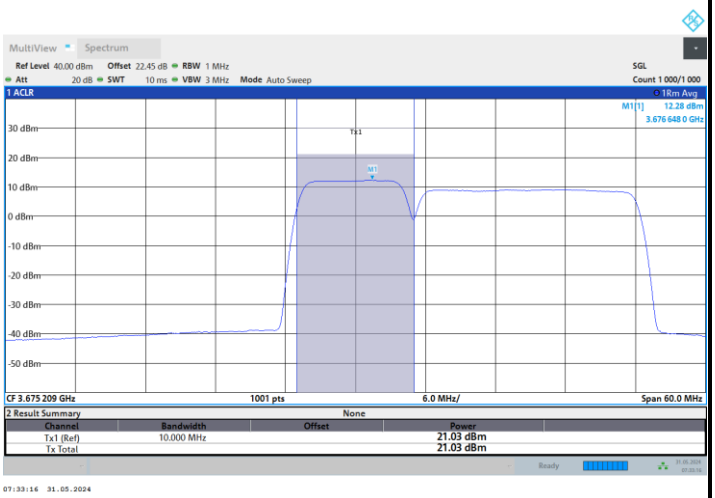
64QAM



256QAM

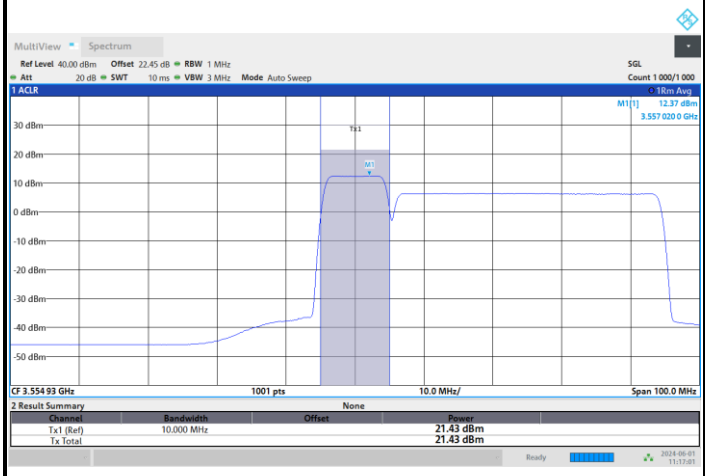


FR1 n48 / 10MHz+20MHz / Middle Channel / Conducted (dBm/10MHz)	
QPSK	16QAM
	
64QAM	256QAM
	

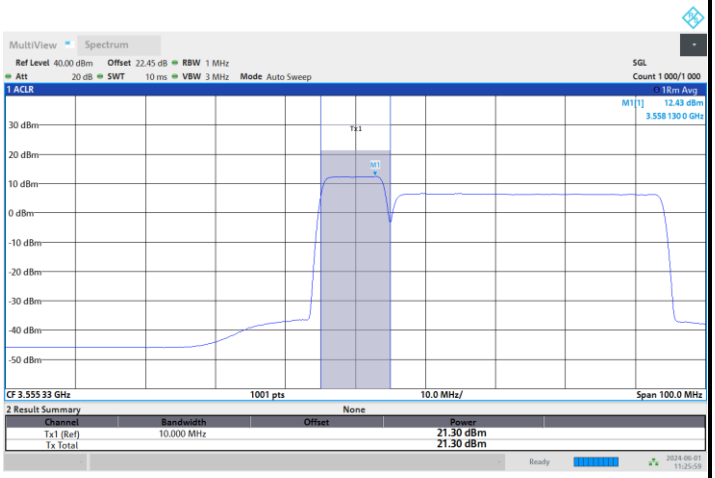
FR1 n48 / 10MHz+20MHz / Highest Channel / Conducted (dBm/10MHz)	
QPSK	16QAM
	
64QAM	256QAM
	

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

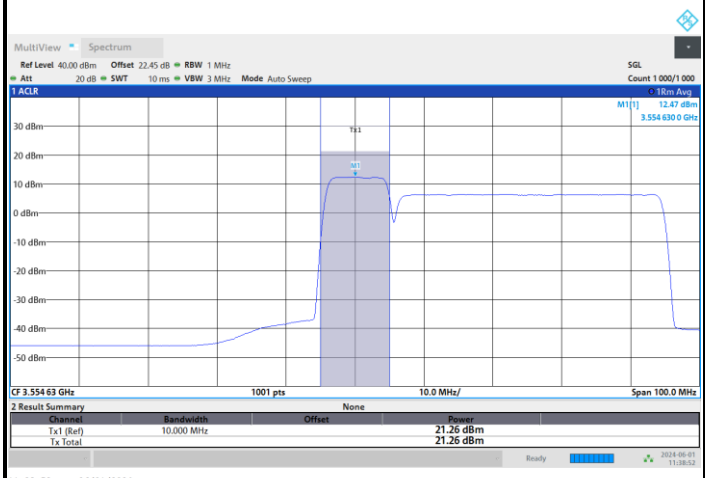
QPSK



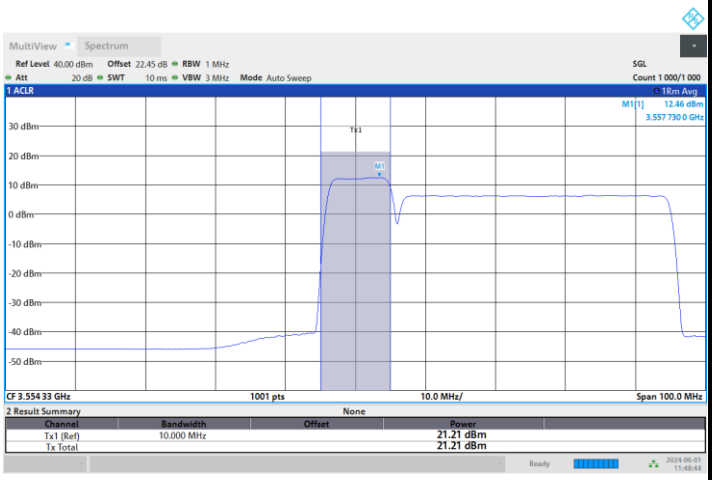
16QAM



64QAM

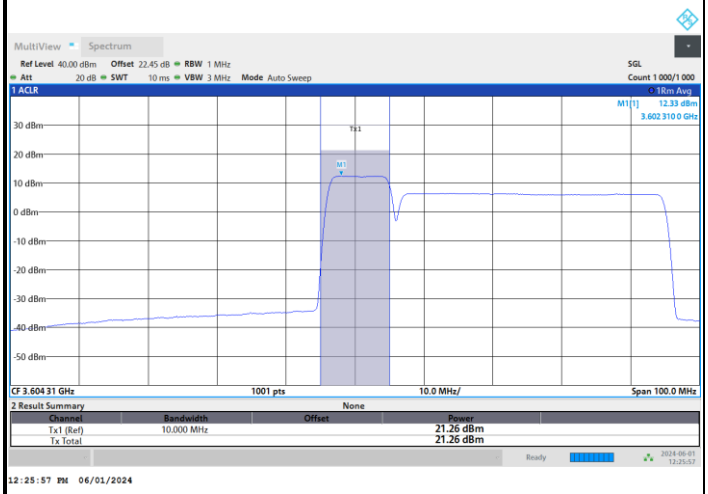


256QAM



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

QPSK



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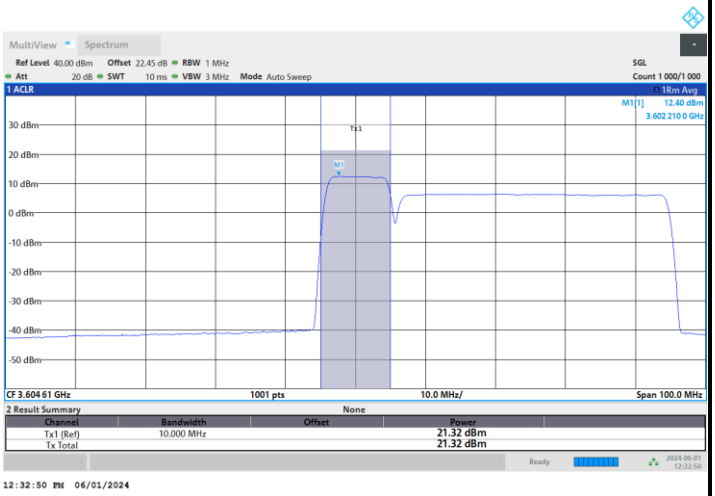
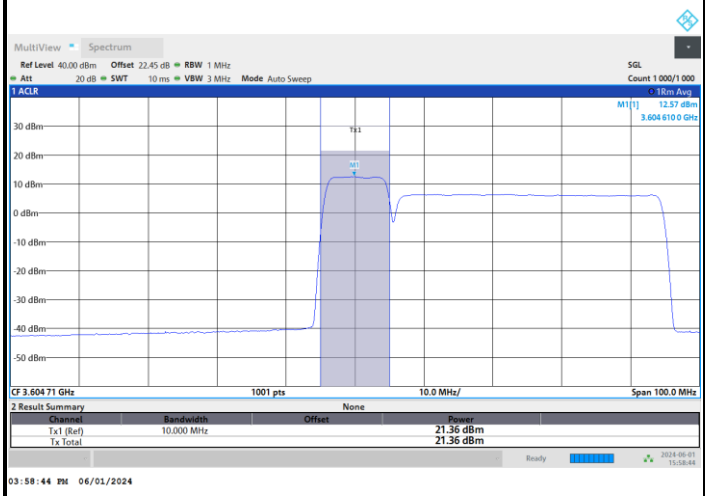
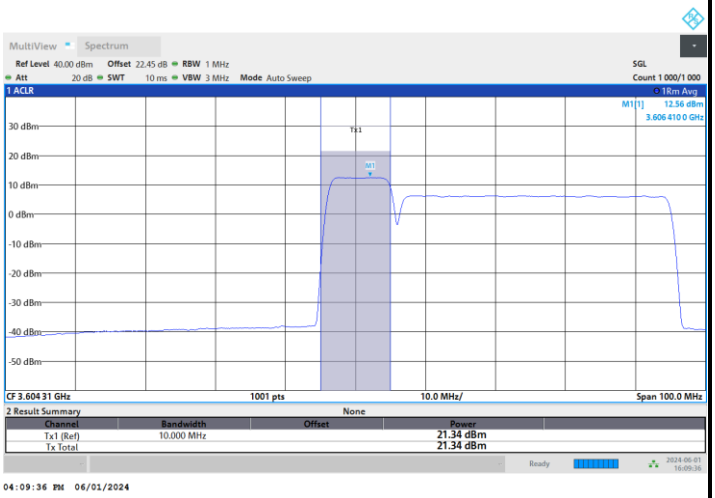
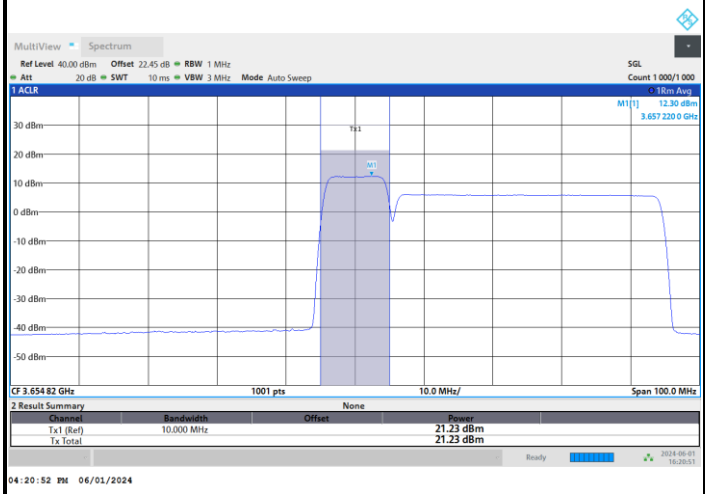
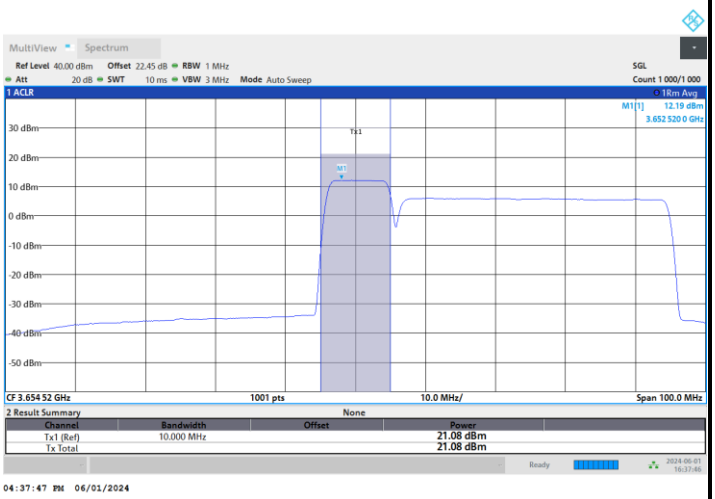
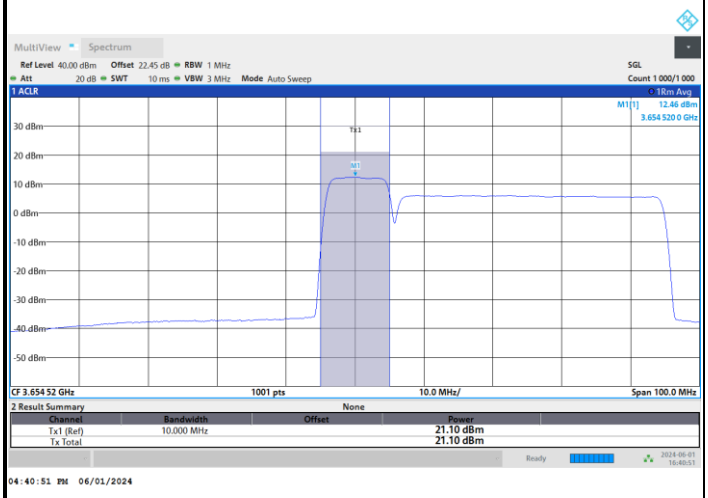
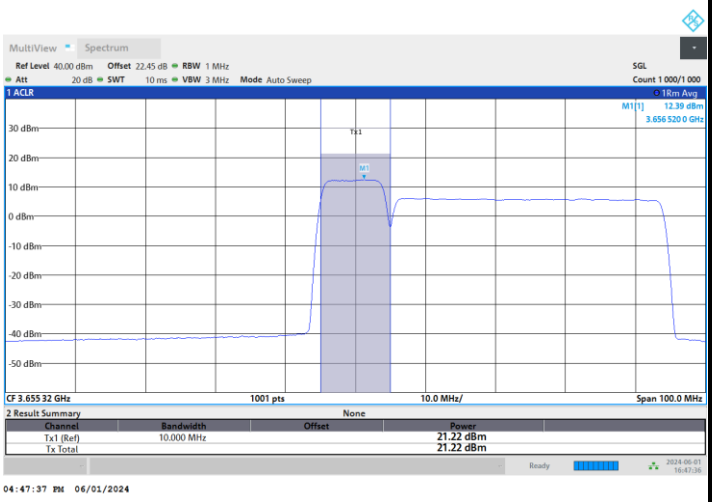


64QAM



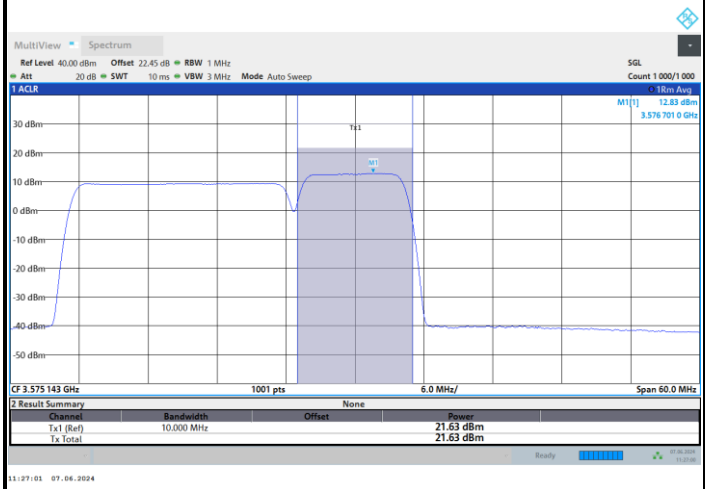
256QAM



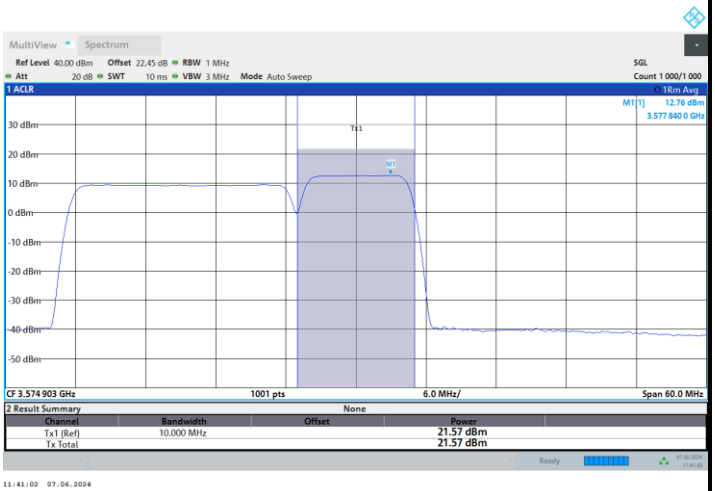
FR1 n48 / 10MHz+40MHz / Highest Channel / Conducted (dBm/10MHz)	
QPSK	16QAM
	
64QAM	256QAM
	

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

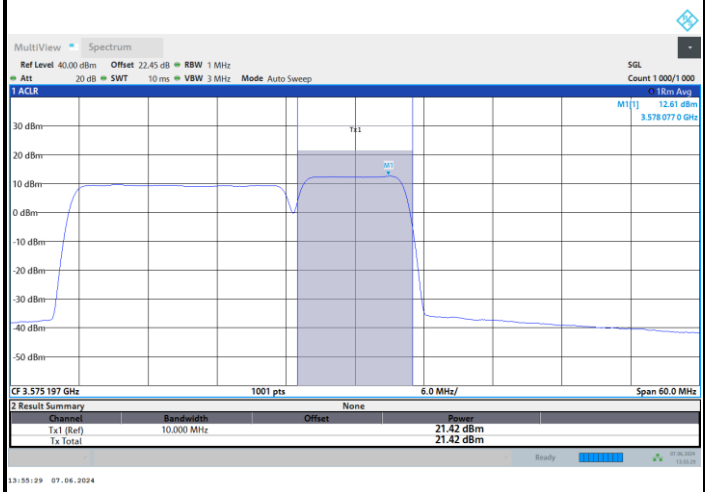
QPSK



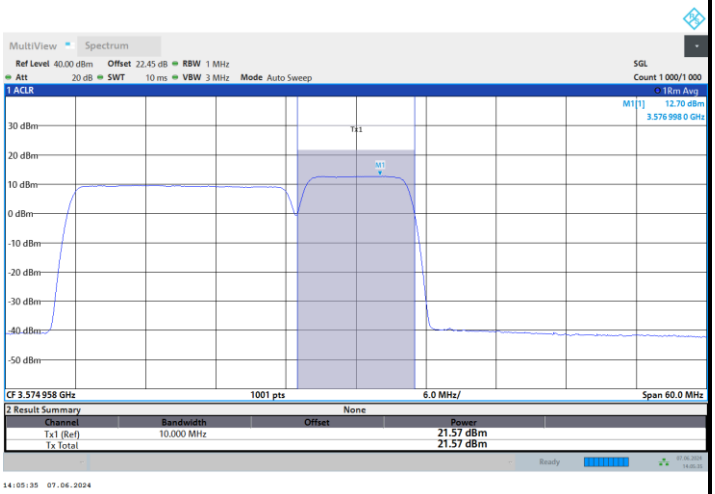
16QAM



64QAM

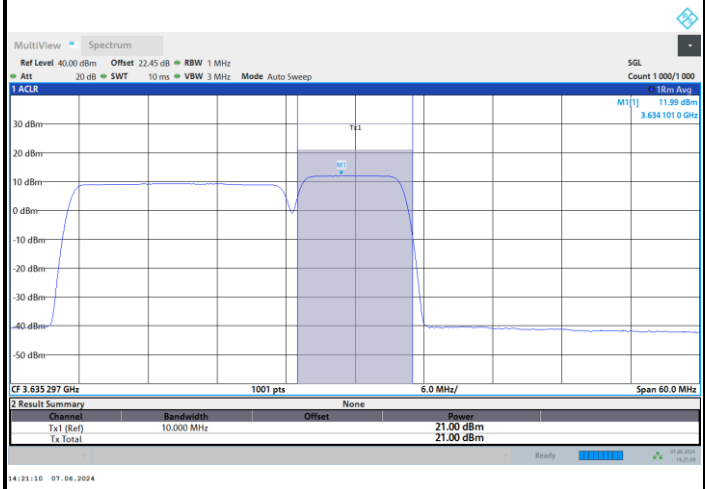


256QAM



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

QPSK



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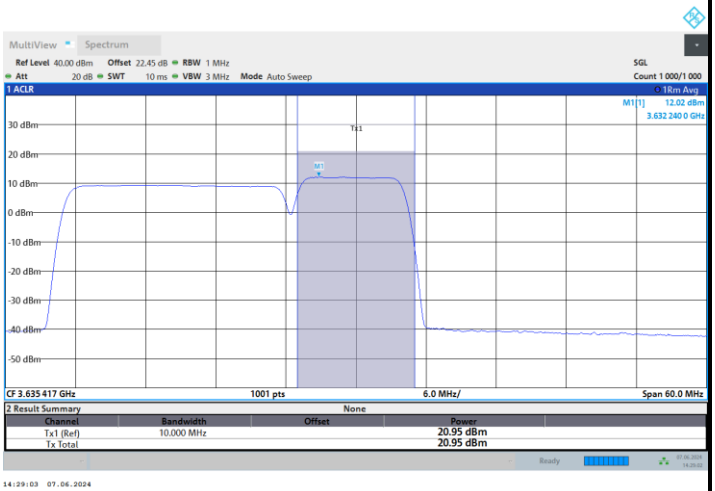

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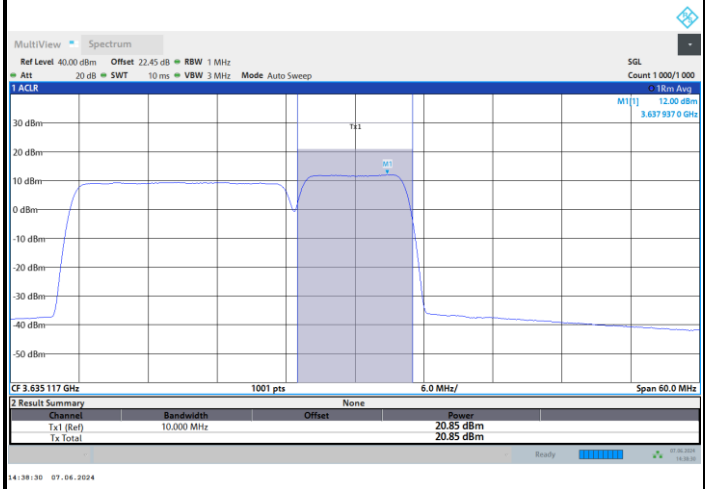

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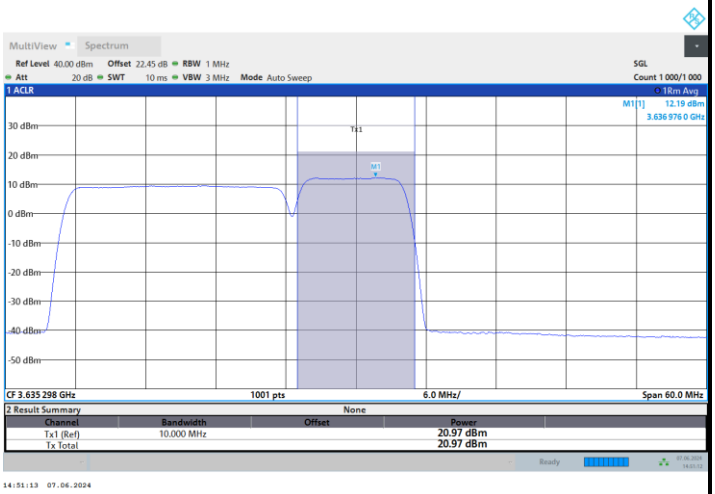
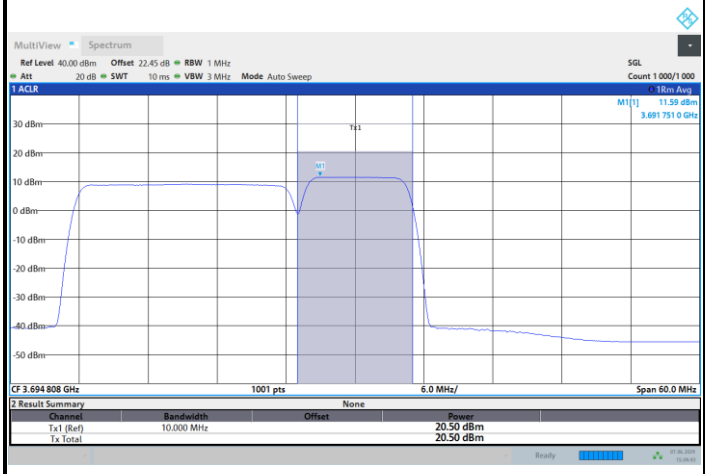
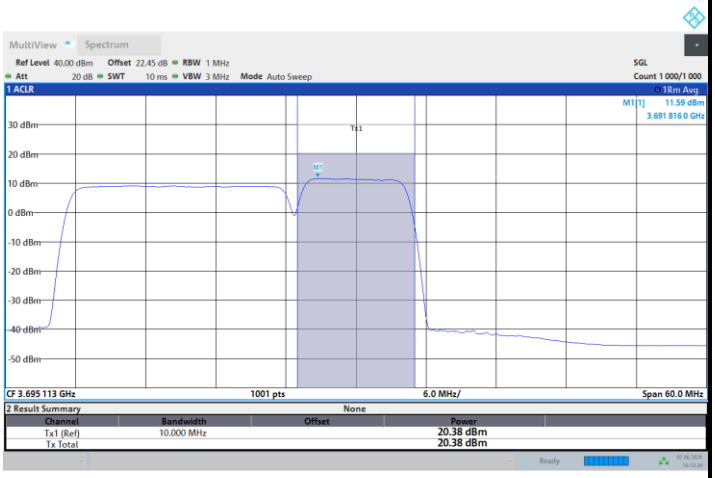


FR1 n48 / 20MHz+10MHz / Highest Channel / Conducted (dBm/10MHz)

QPSK



16QAM



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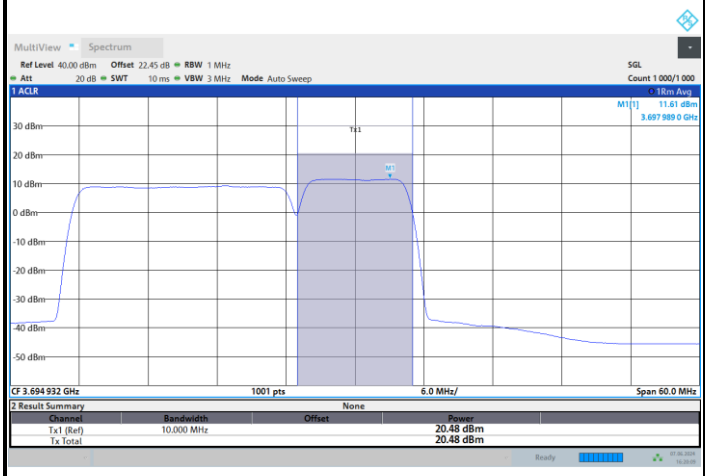

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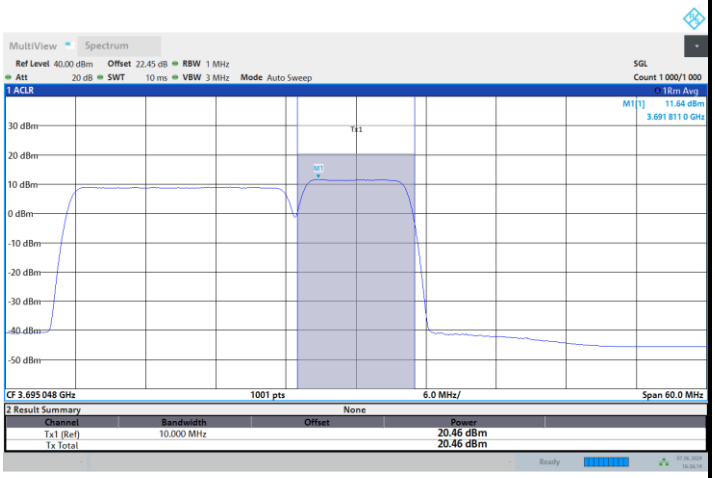
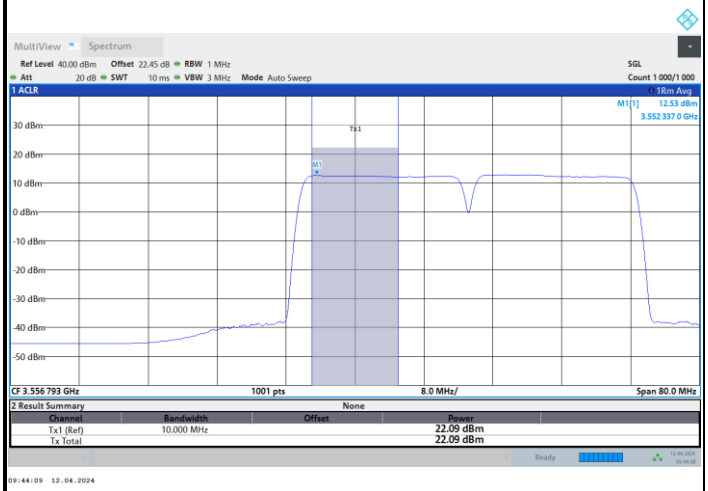


FR1 n48 / 20MHz+20MHz / Lowest Channel / Conducted (dBm/10MHz)

QPSK



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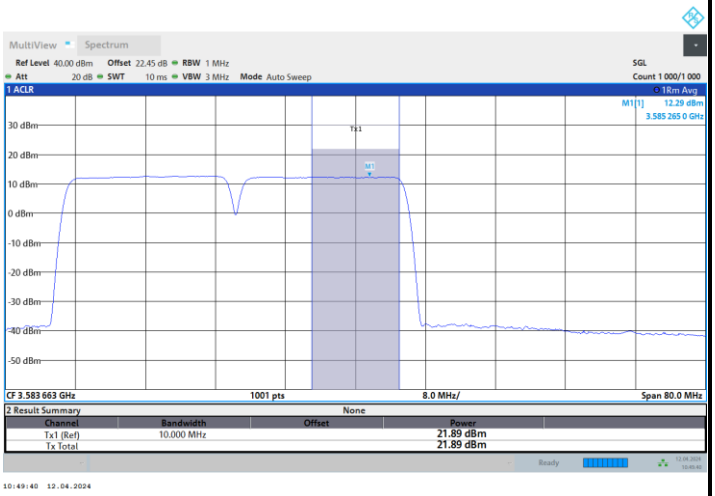

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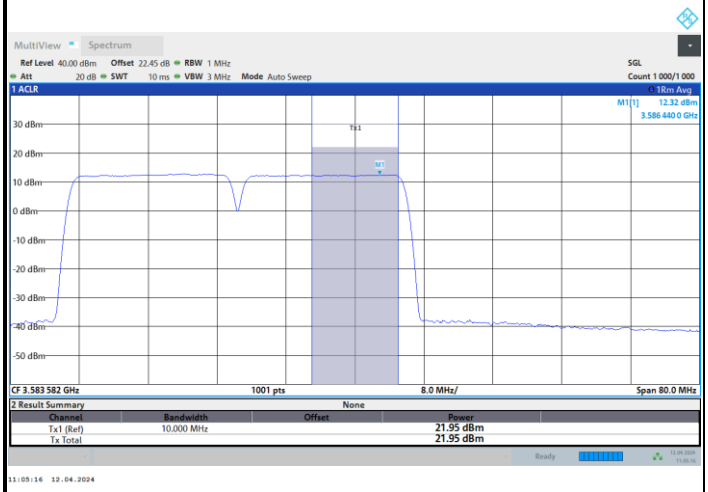

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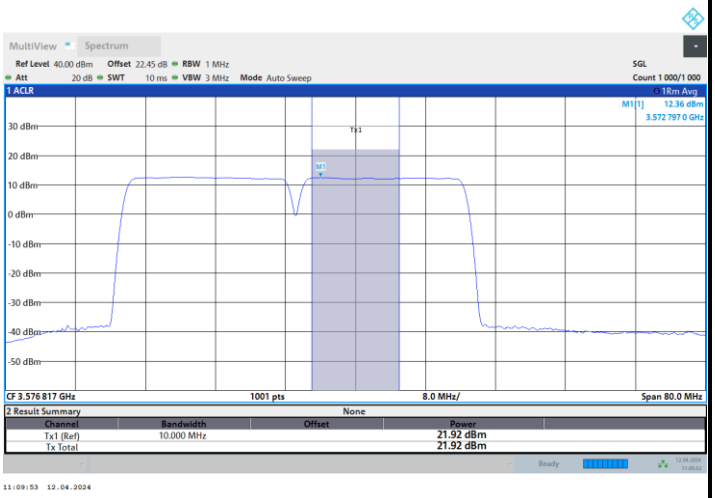
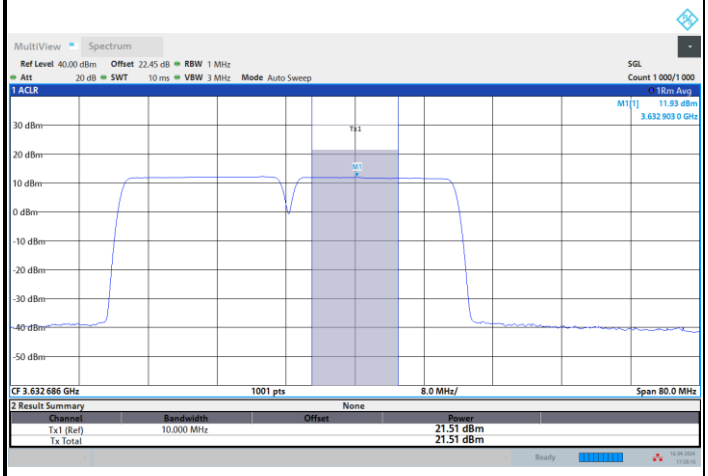
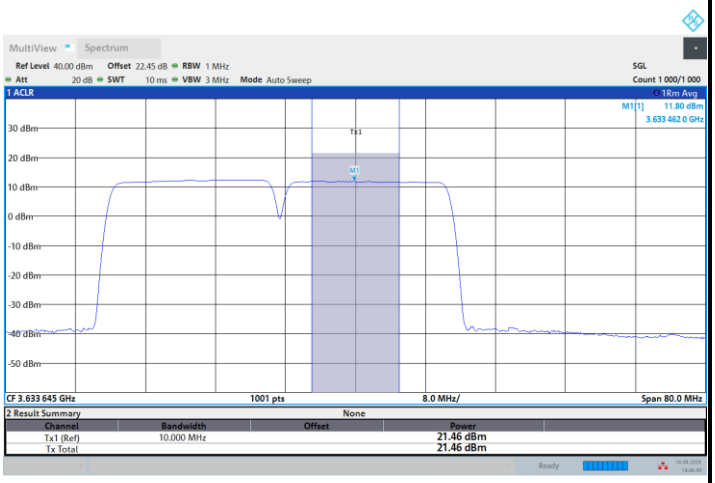
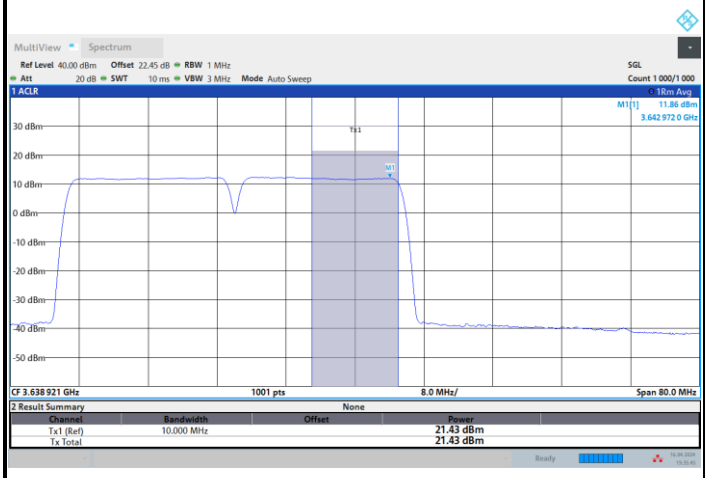
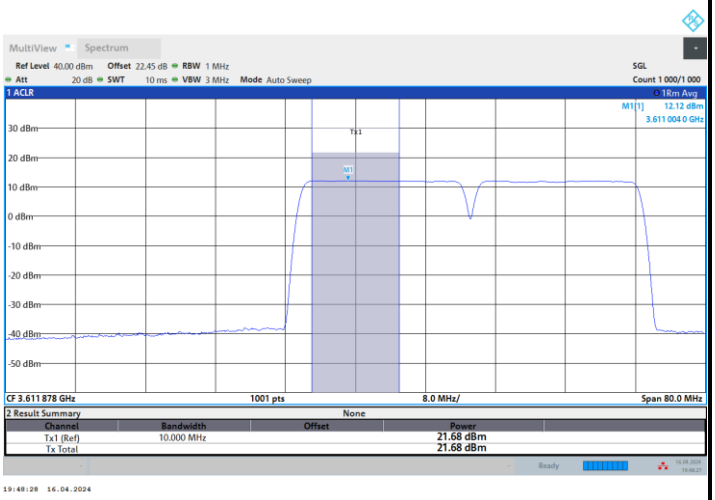
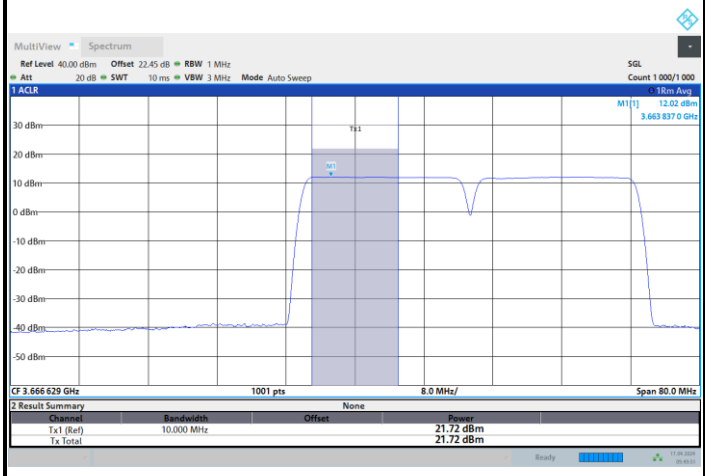
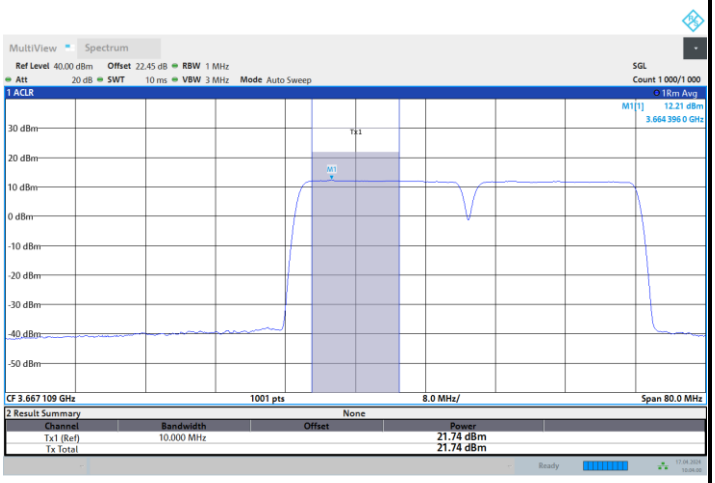
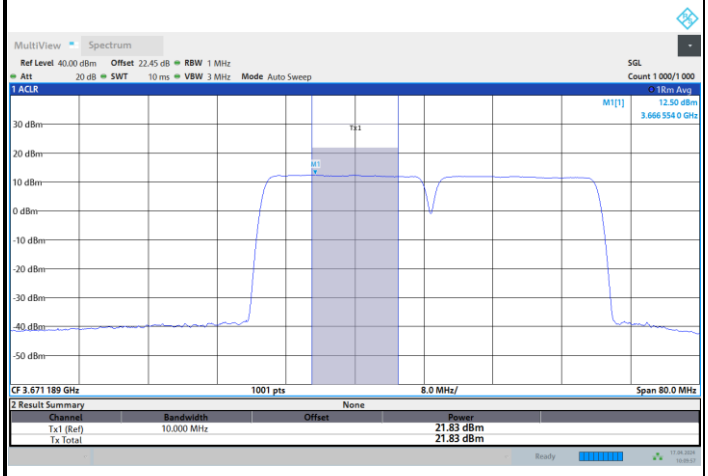
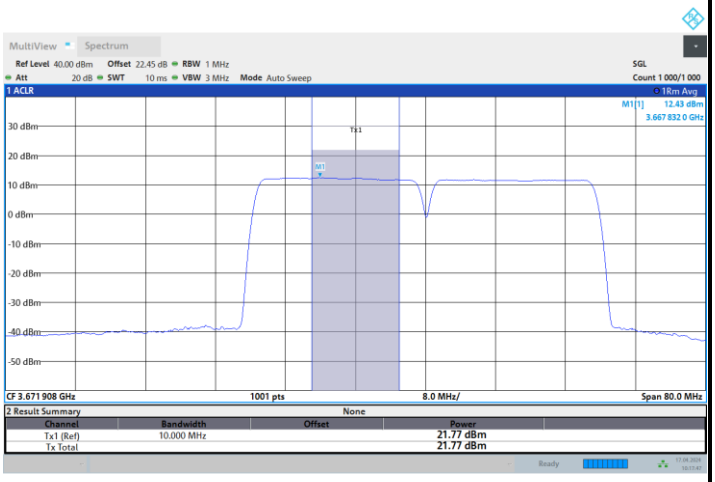


FR1 n48 / 20MHz+20MHz / Middle Channel / Conducted (dBm/10MHz)	
QPSK	16QAM
	
64QAM	256QAM
	

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