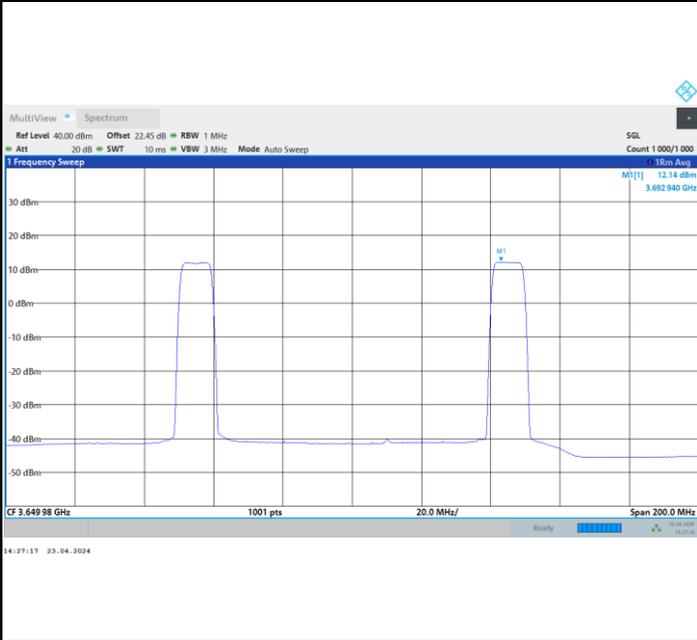


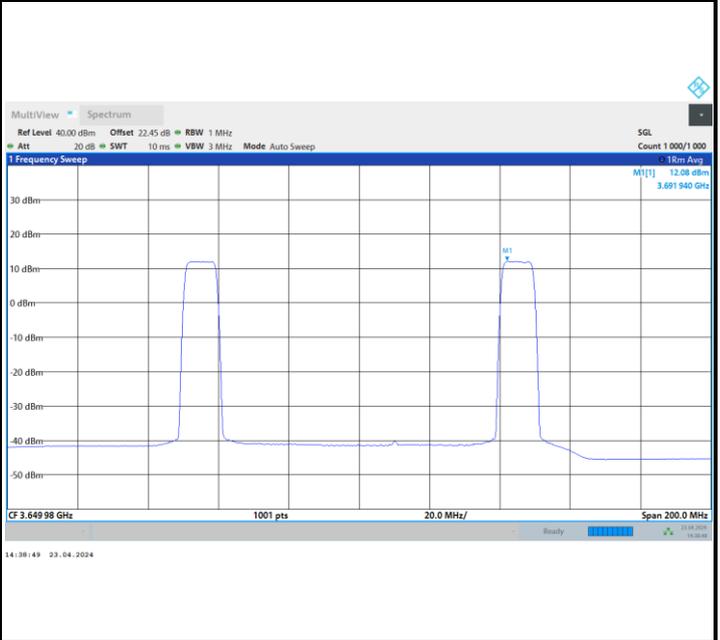


FR1 n48 / 10MHz+10MHz (Non Contiguous) / Highest Channel / PSD

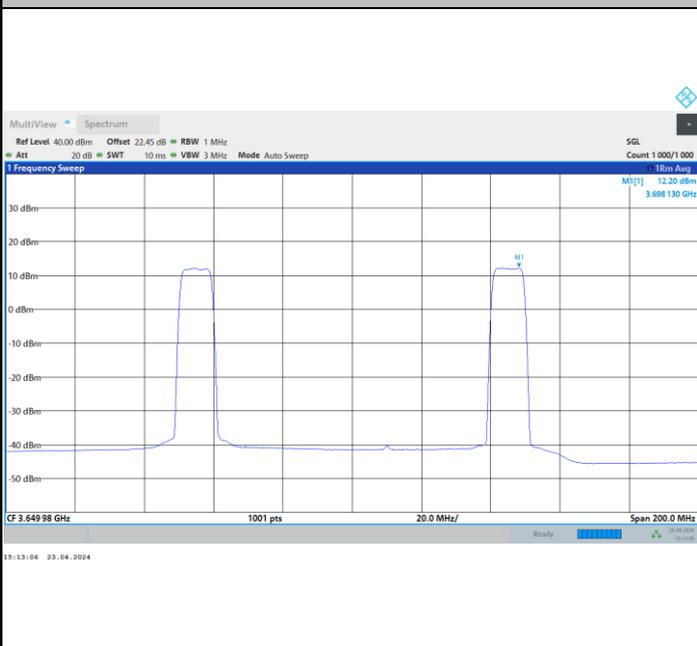
QPSK



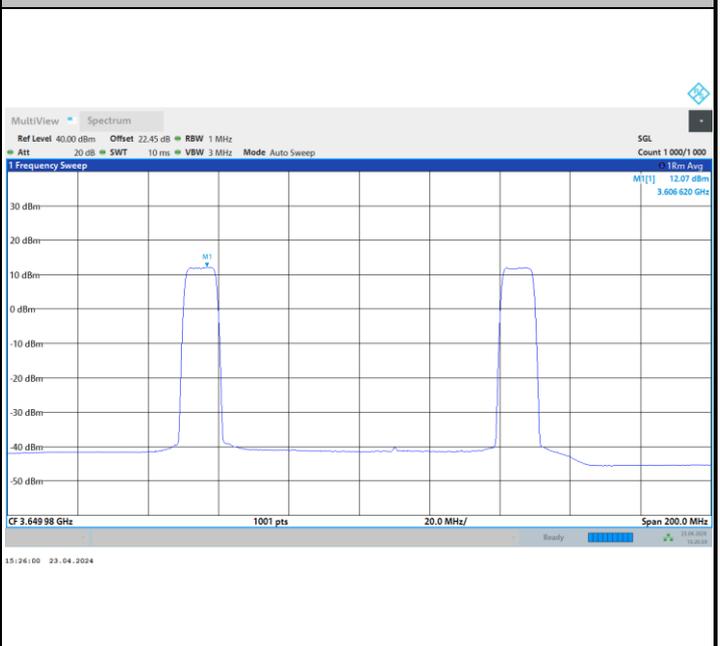
16QAM



64QAM



256QAM

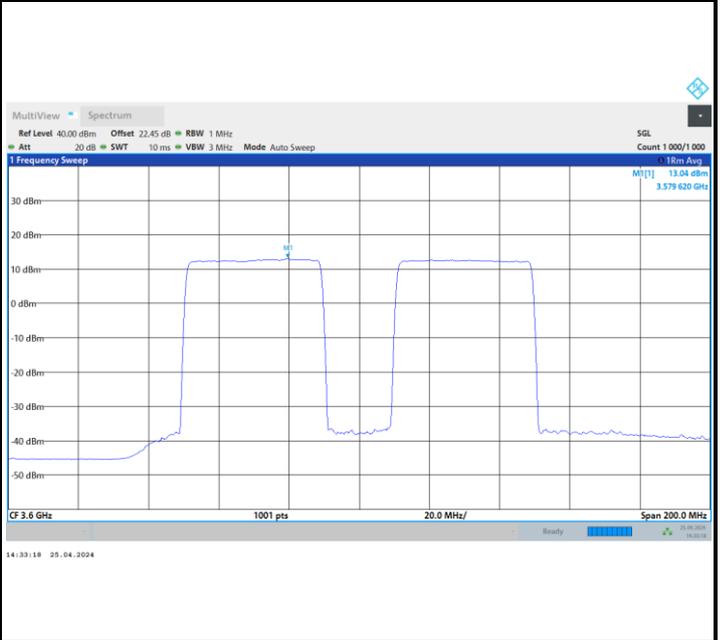
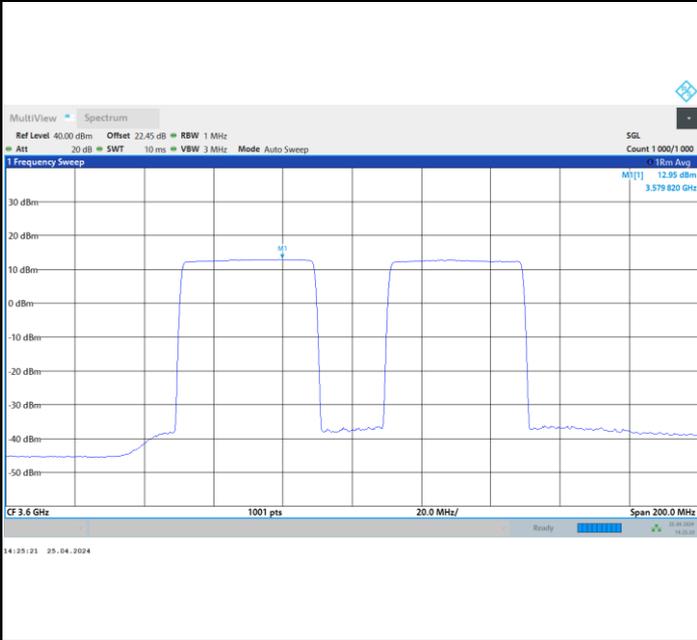




FR1 n48 / 40MHz+40MHz (Non Contiguous) / Lowest Channel / PSD

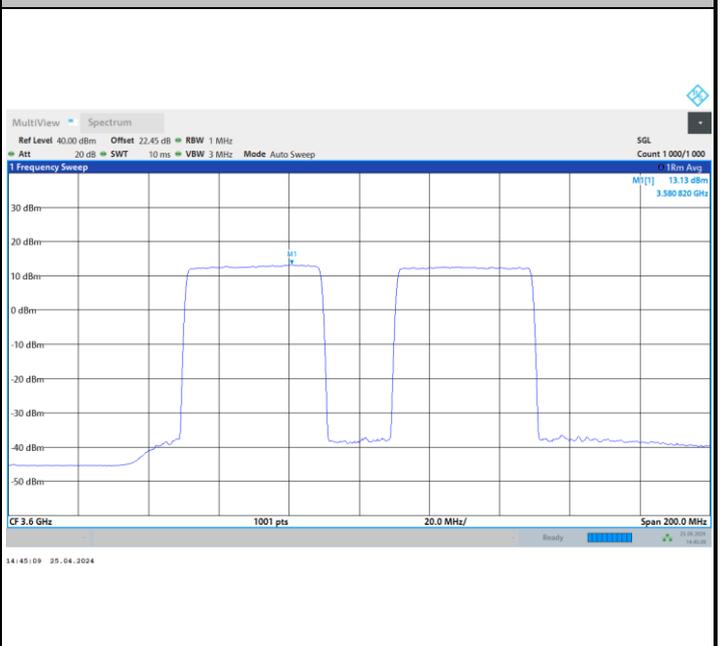
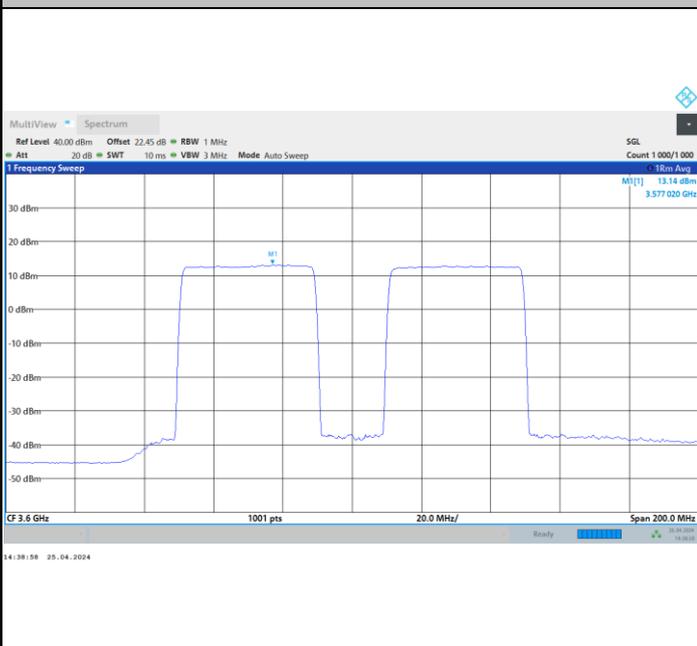
QPSK

16QAM



64QAM

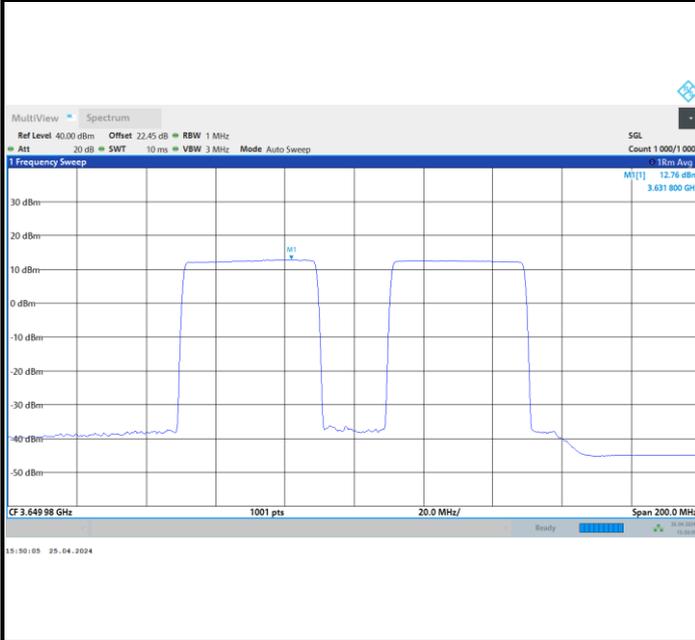
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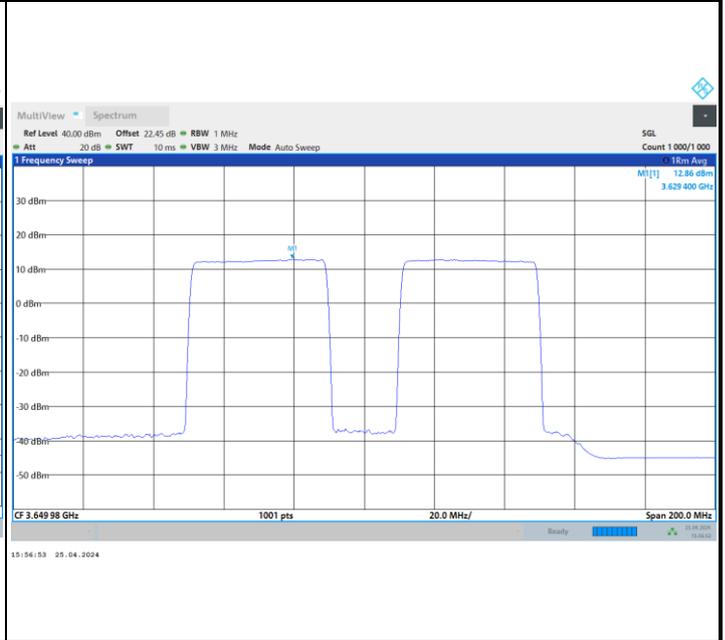


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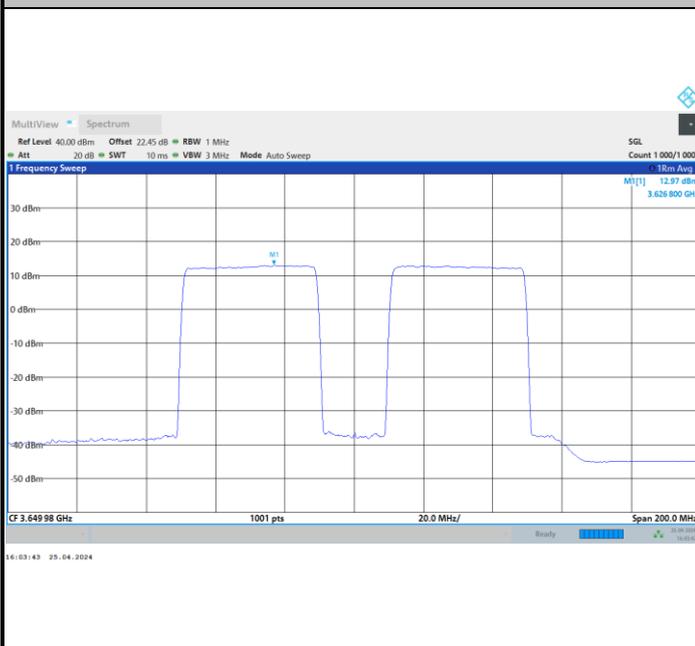
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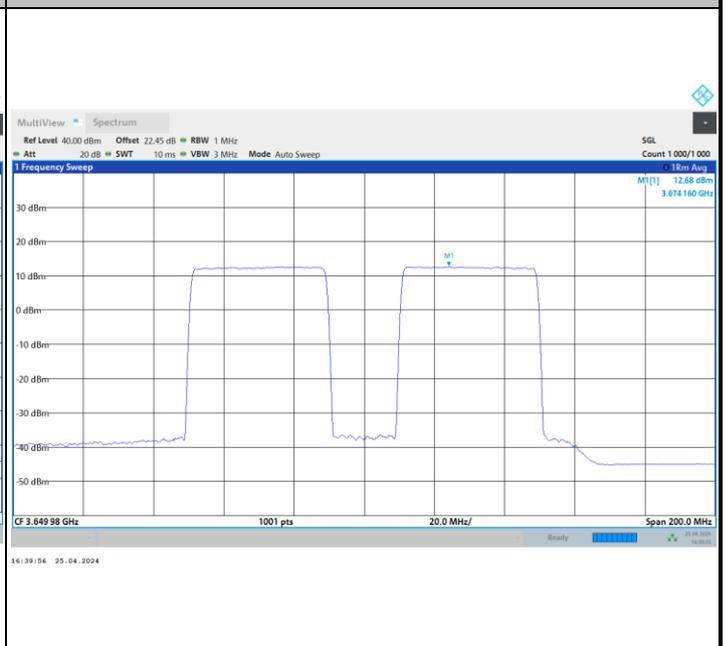
16QAM



64QAM



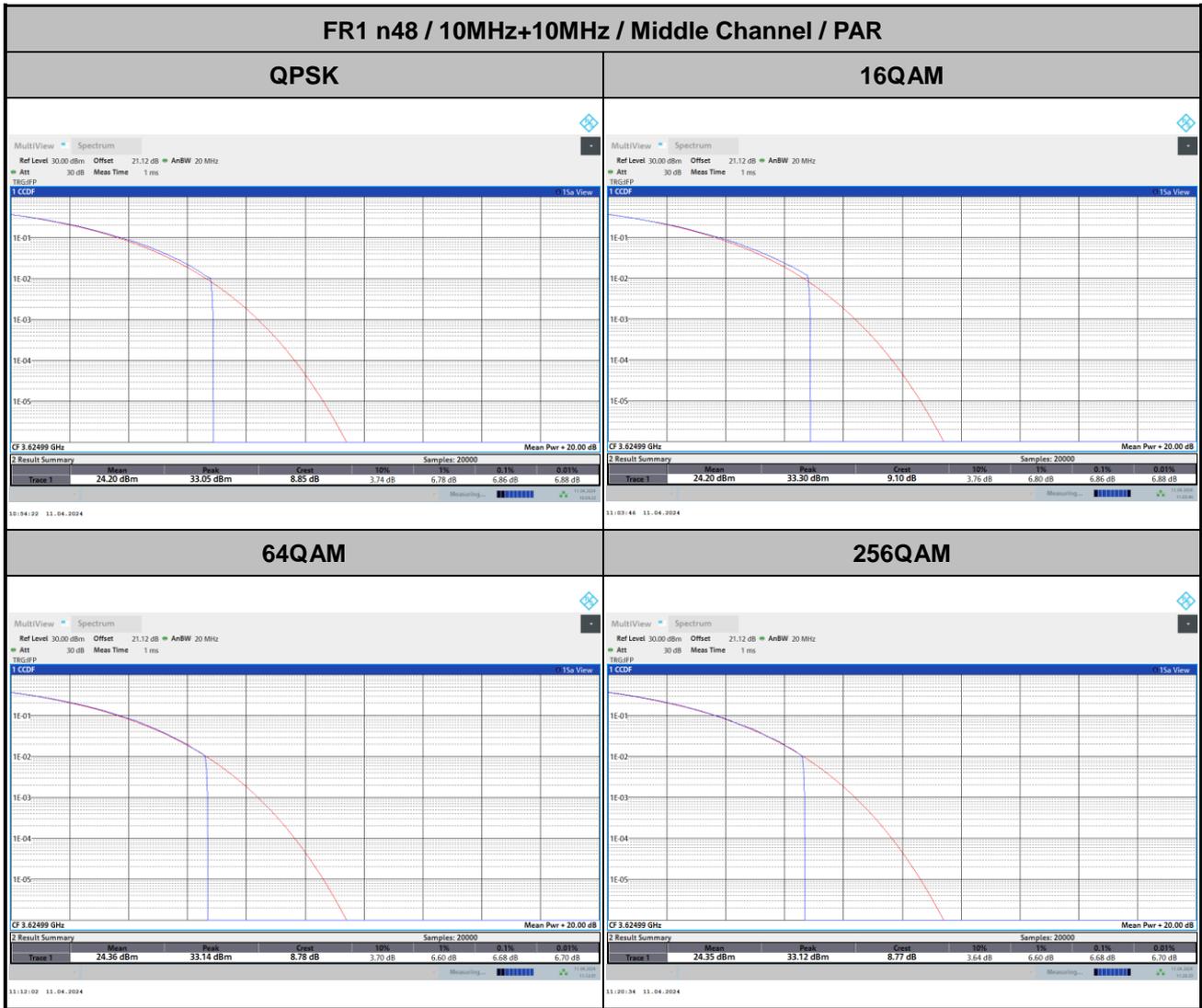
256QAM





# Peak-to-Average Ratio

Mode	FR1 n48 / 10MHz+10MHz / PAR (dB)				Limit: 13dB
Mod.	QPSK	16QAM	64QAM	256QAM	Result
Middle CH	6.86	6.86	6.68	6.68	PASS





**26dB Bandwidth**

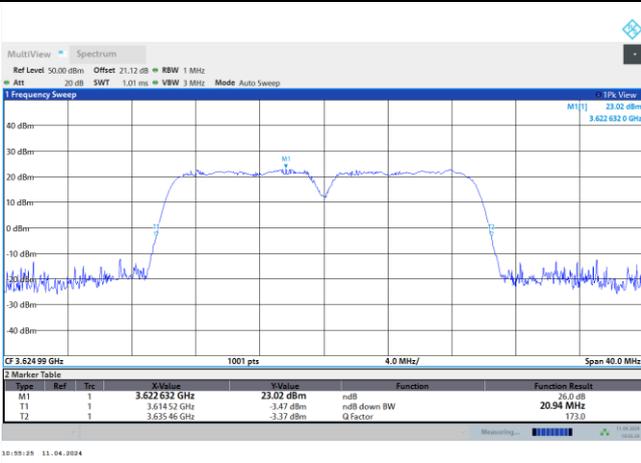
Mode	FR1 n48 : 26dB BW(MHz)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	20.94	21.02	30.81	30.69	50.65	50.55	30.69	30.81
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	20.94	21.10	30.87	30.75	50.75	50.55	30.81	30.75
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	40.84	40.92	60.78	60.66	50.65	50.65	60.54	60.66
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	40.76	40.76	60.66	60.66	50.55	50.45	60.42	60.66
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	80.56	80.56						
Mod.	64QAM	256QAM						
Middle CH	80.72	80.56						



FR1 n48 / 10MHz+10MHz / Middle Channel / 26dB BW

QPSK

16QAM



64QAM

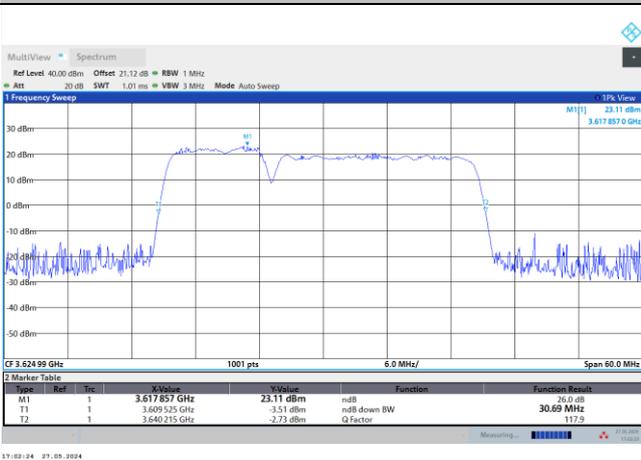
256QAM



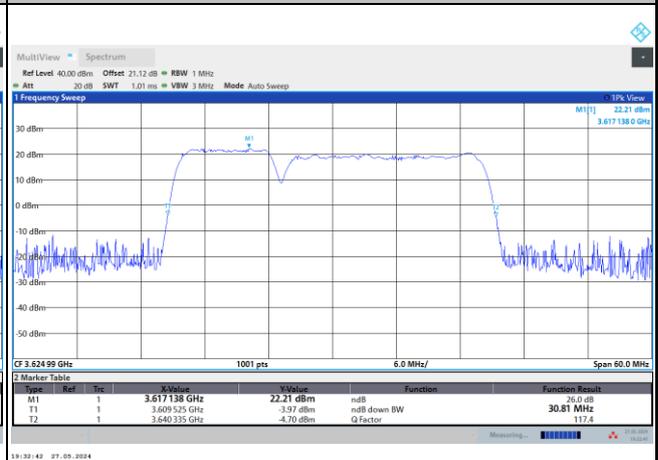


FR1 n48 / 10MHz+20MHz / Middle Channel / 26dB BW

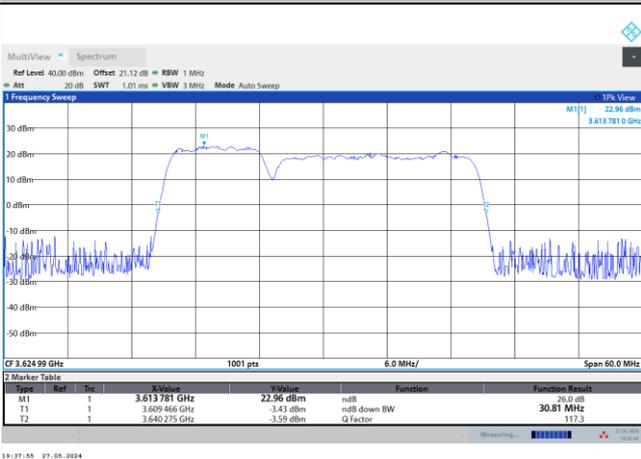
QPSK



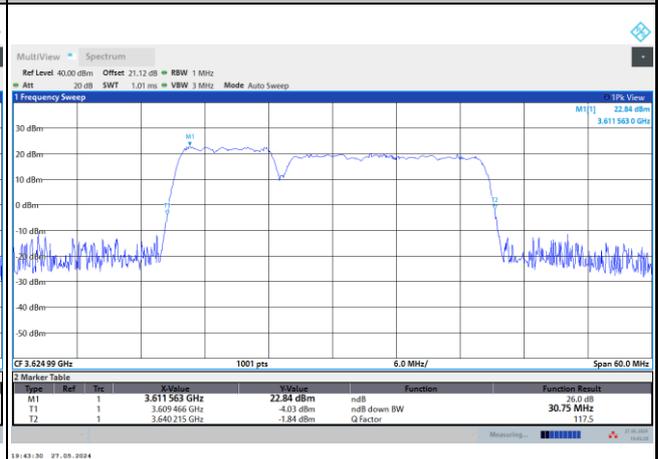
16QAM



64QAM



256QAM

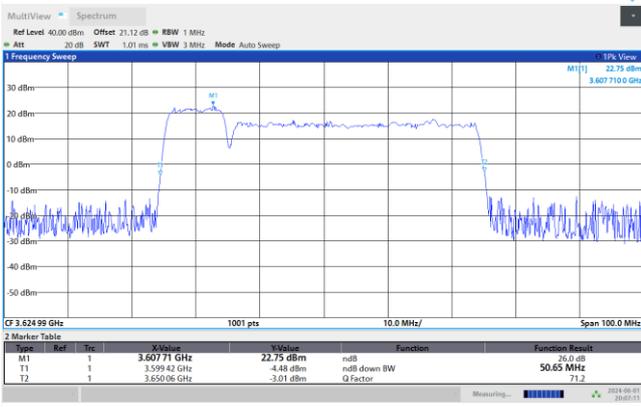




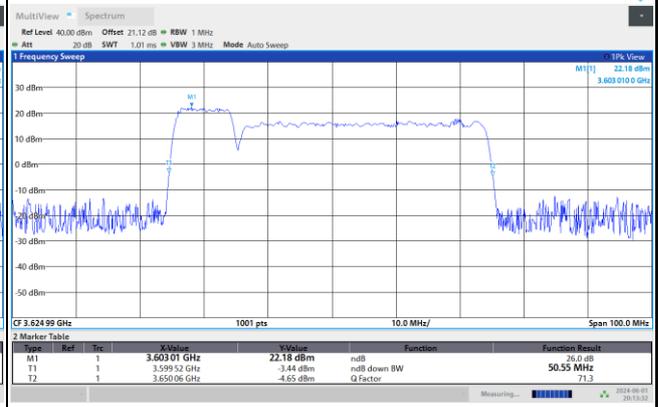
FR1 n48 / 10MHz+40MHz / Middle Channel / 26dB BW

QPSK

16QAM



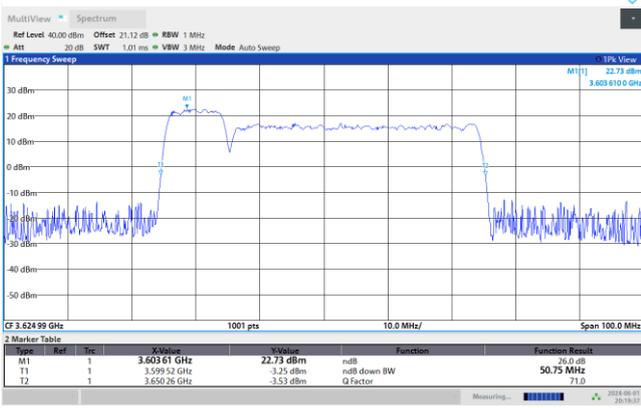
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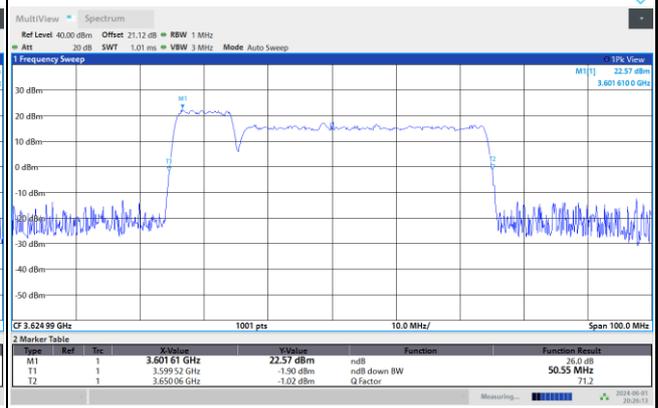
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64QAM

256QAM



08:19:37 PM 06/01/2024



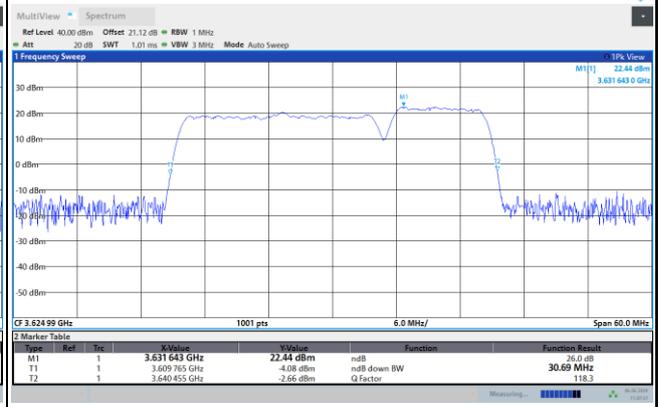
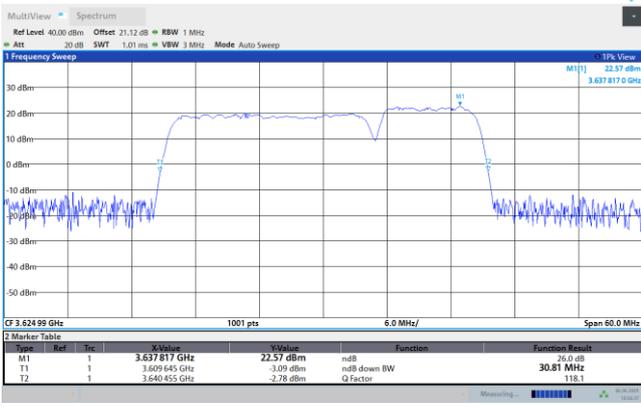
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FR1 n48 / 20MHz+10MHz / Middle Channel / 26dB BW

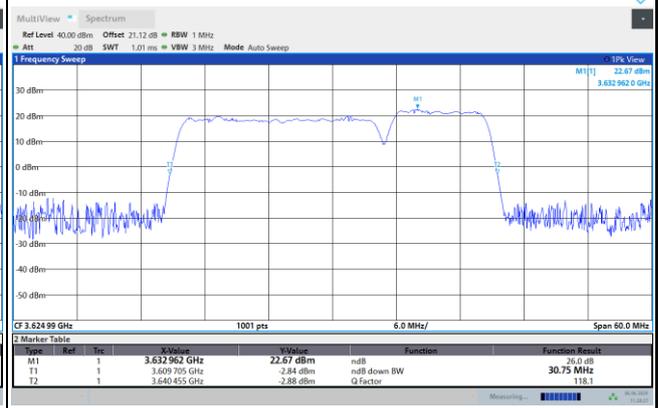
QPSK

16QAM



64QAM

256QAM

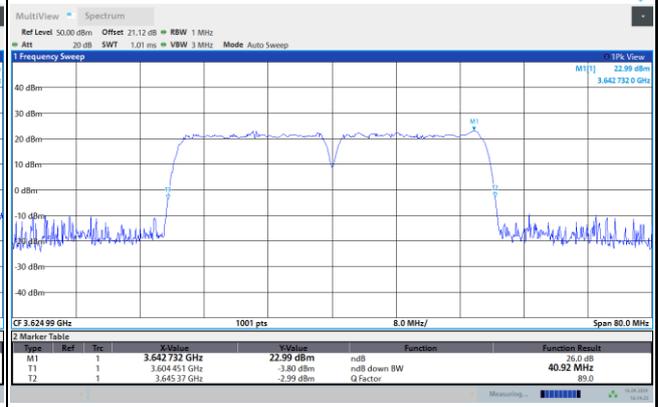
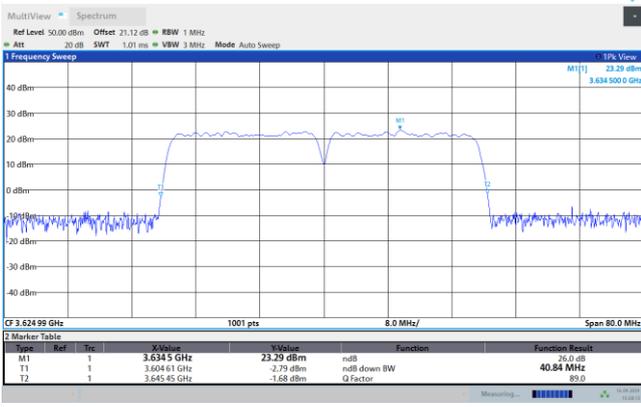




FR1 n48 / 20MHz+20MHz / Middle Channel / 26dB BW

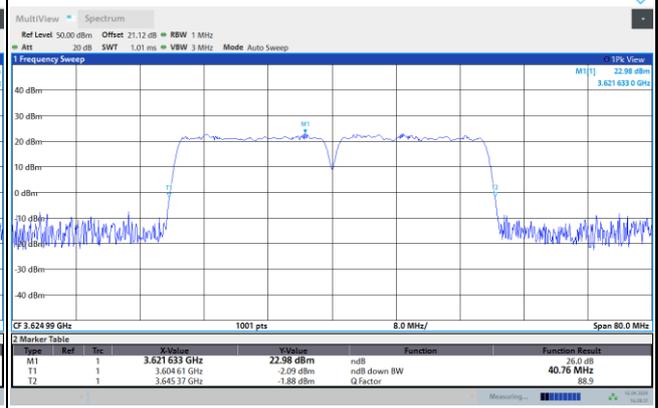
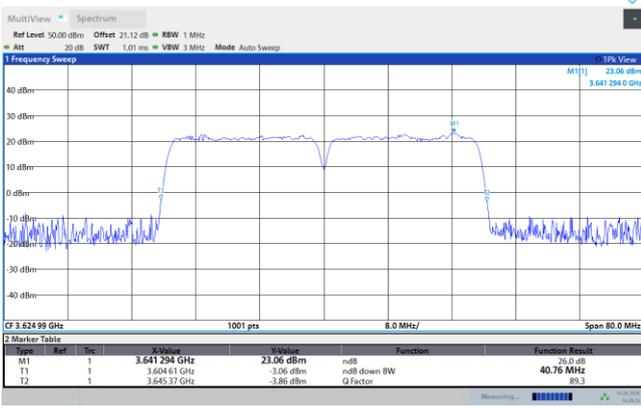
QPSK

16QAM



64QAM

256QAM

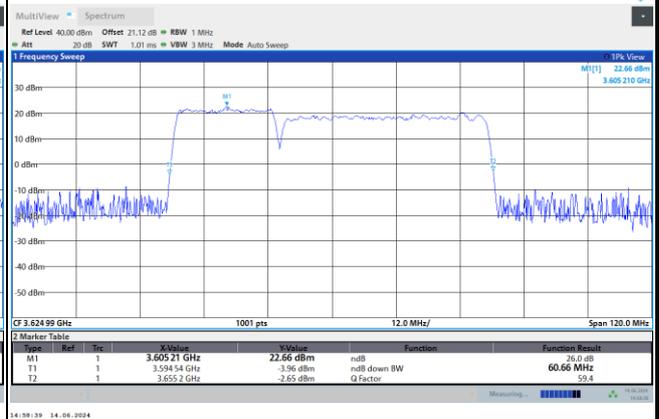
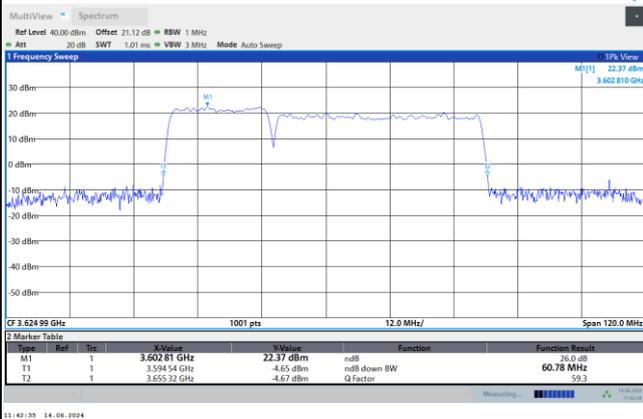




FR1 n48 / 20MHz+40MHz / Middle Channel / 26dB BW

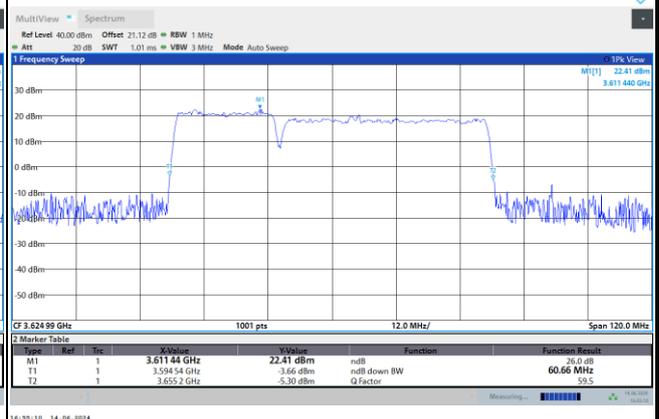
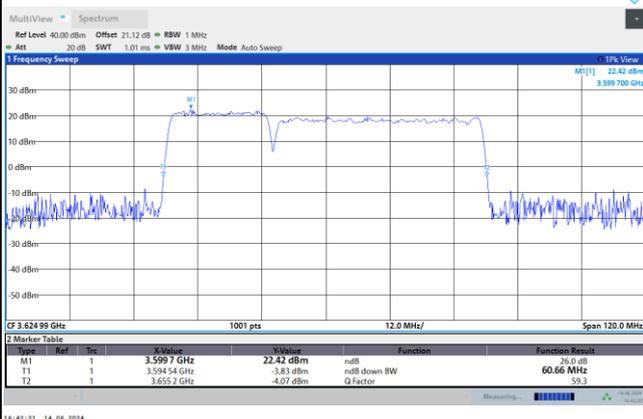
QPSK

16QAM



64QAM

256QAM

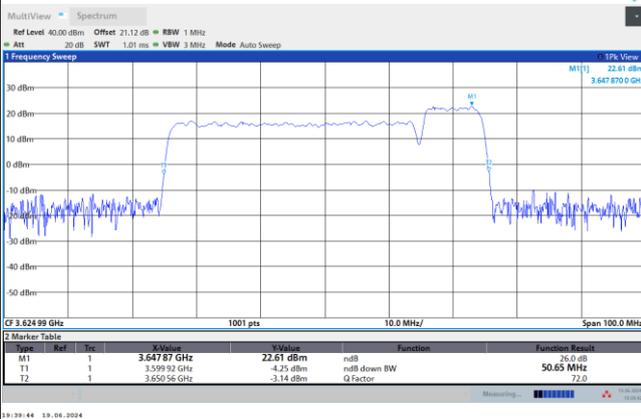




FR1 n48 / 40MHz+10MHz / Middle Channel / 26dB BW

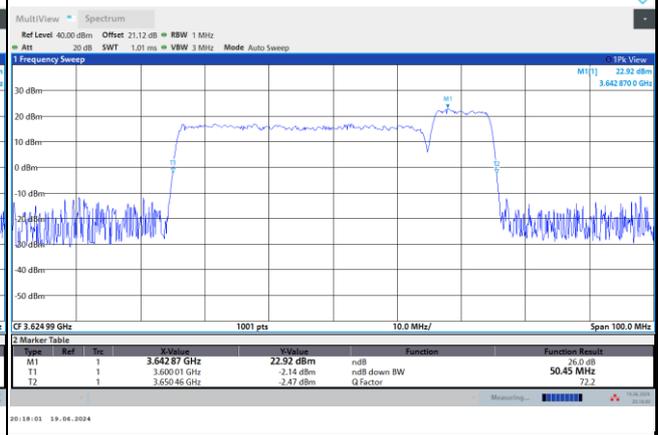
QPSK

16QAM



64QAM

256QAM



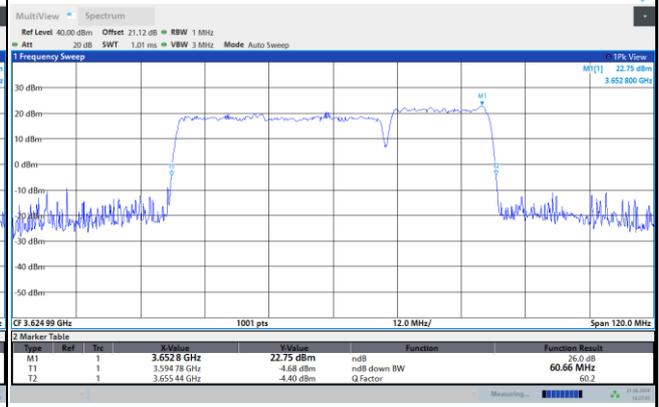


FR1 n48 / 40MHz+20MHz / Middle Channel / 26dB BW

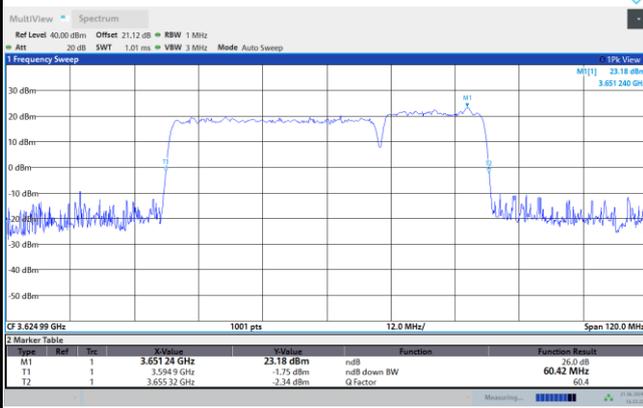
QPSK



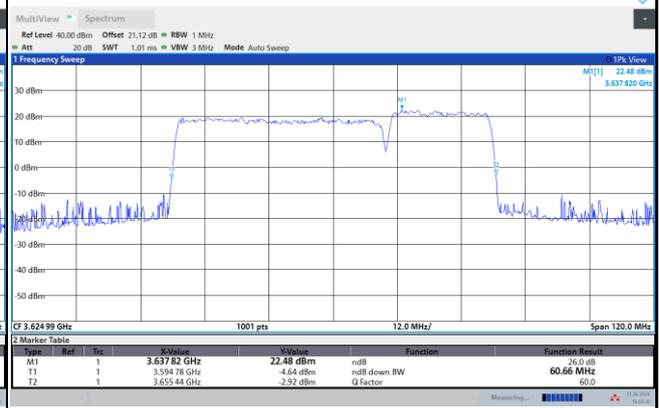
16QAM



64QAM



256QAM





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

QPSK

16QAM



64QAM

256QAM





**Occupied Bandwidth**

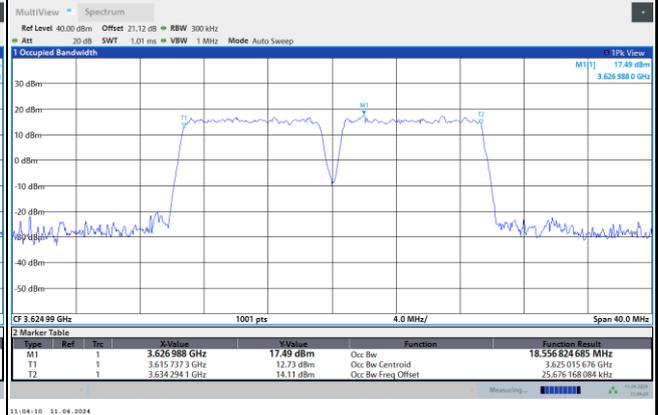
Mode	FR1 n48 : 99%OBW (MHz)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	18.53	18.55	28.60	28.56	48.30	48.23	28.61	28.61
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	18.55	18.50	28.62	28.61	48.44	48.31	28.65	28.68
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	38.24	38.19	57.87	57.84	48.28	48.16	57.89	57.73
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	38.26	38.31	58.07	57.98	48.20	48.35	57.88	57.92
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	77.60	77.53						
Mod.	64QAM	256QAM						
Middle CH	77.68	77.61						



FR1 n48 / 10MHz+10MHz / Middle Channel / 99%OBW

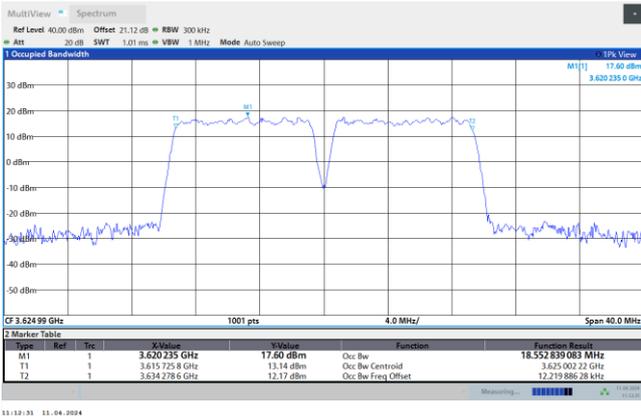
QPSK

16QAM



64QAM

256QAM

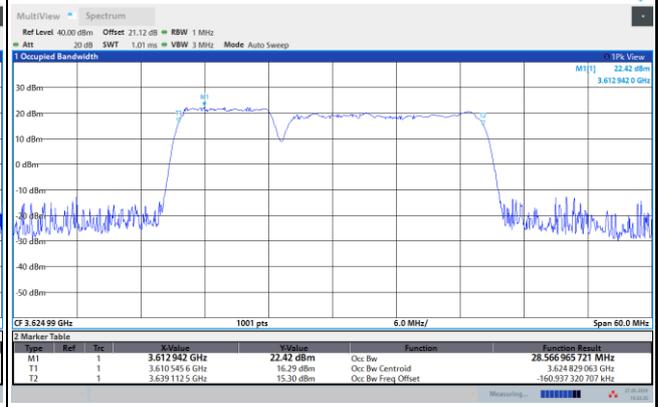
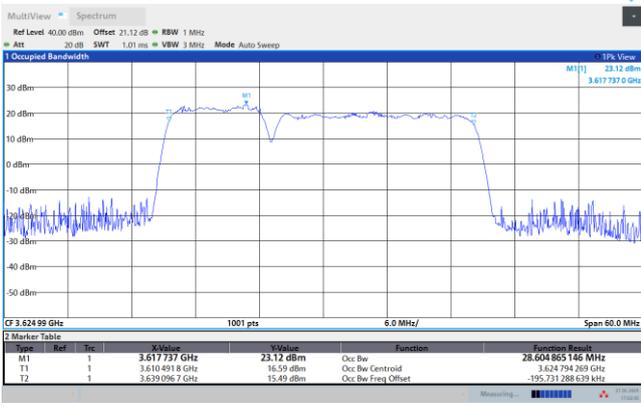




FR1 n48 / 10MHz+20MHz / Middle Channel / 99%OBW

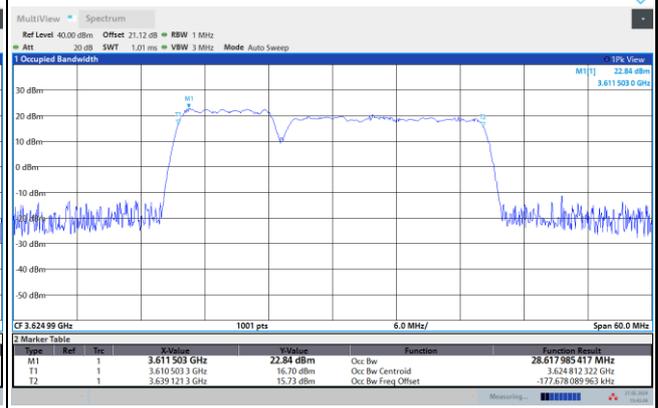
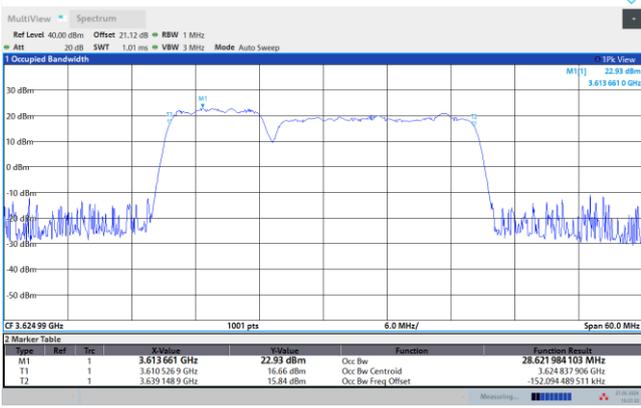
QPSK

16QAM



64QAM

256QAM

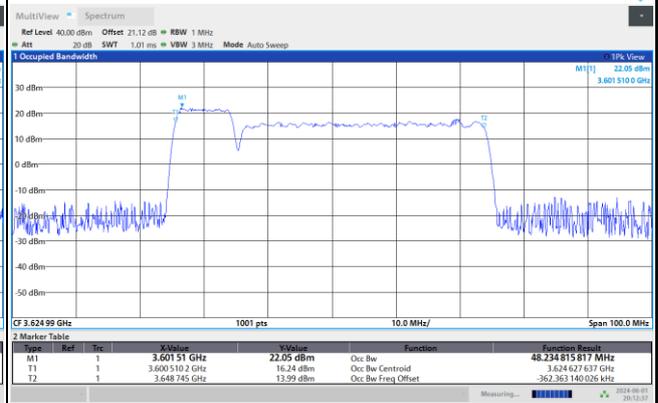
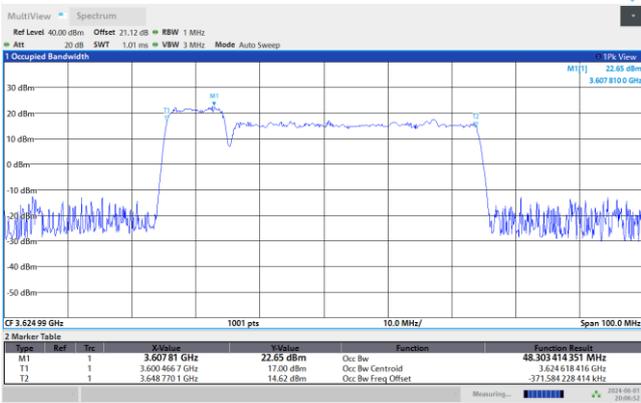




FR1 n48 / 10MHz+40MHz / Middle Channel / 99%OBW

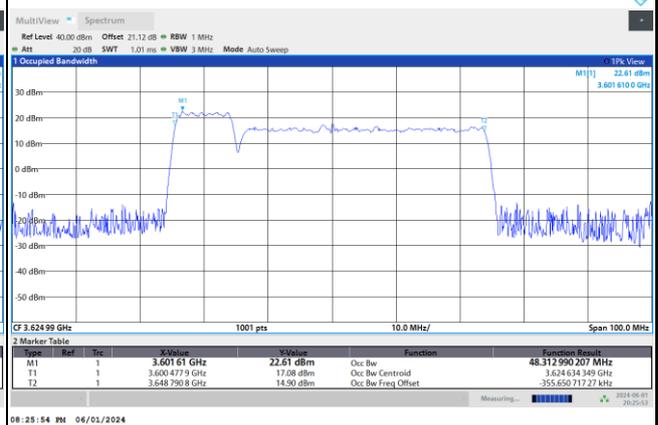
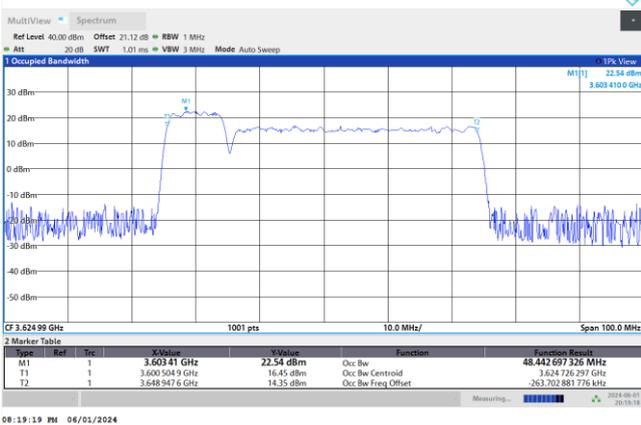
QPSK

16QAM



64QAM

256QAM

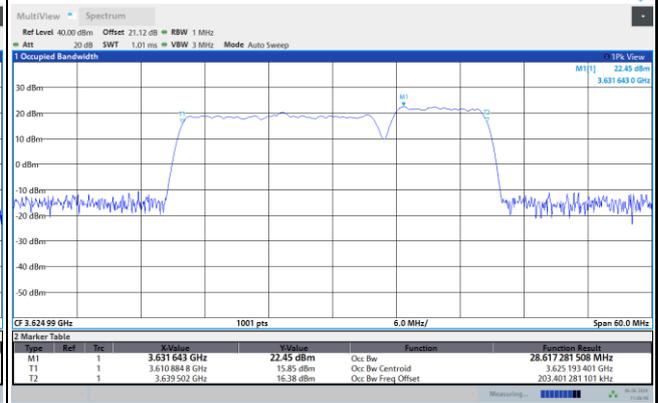
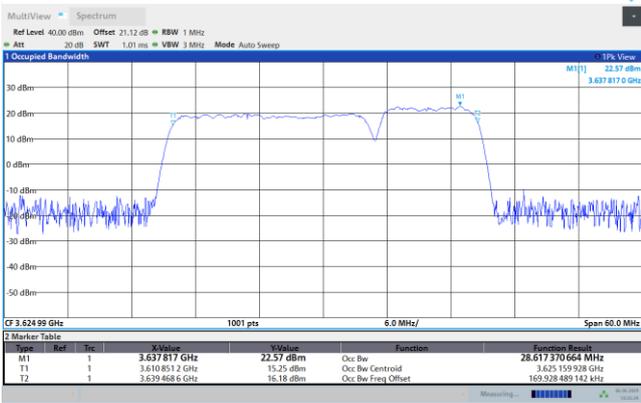




FR1 n48 / 20MHz+10MHz / Middle Channel / 99%OBW

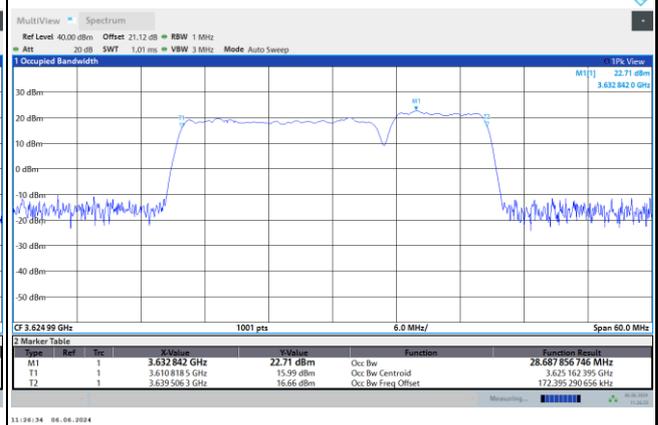
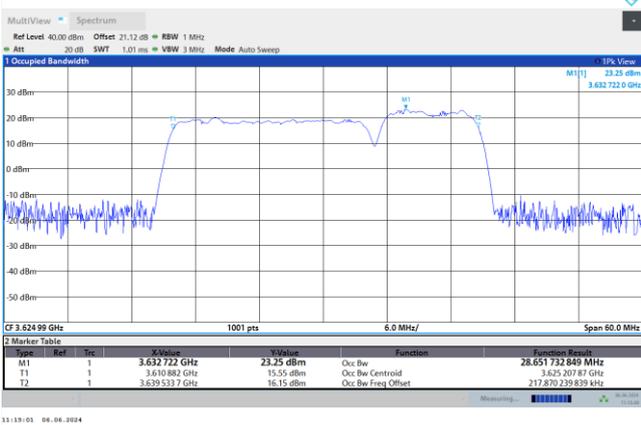
QPSK

16QAM



64QAM

256QAM

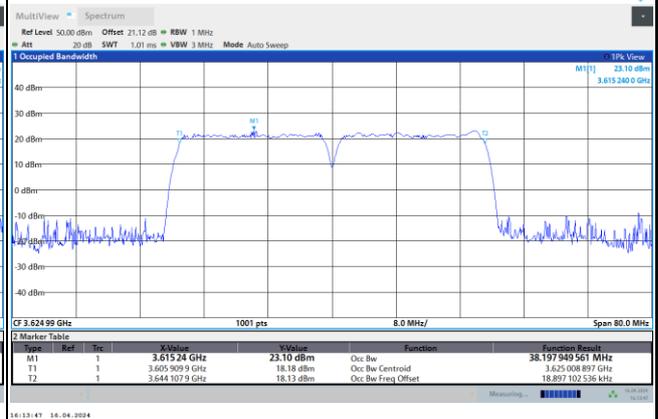
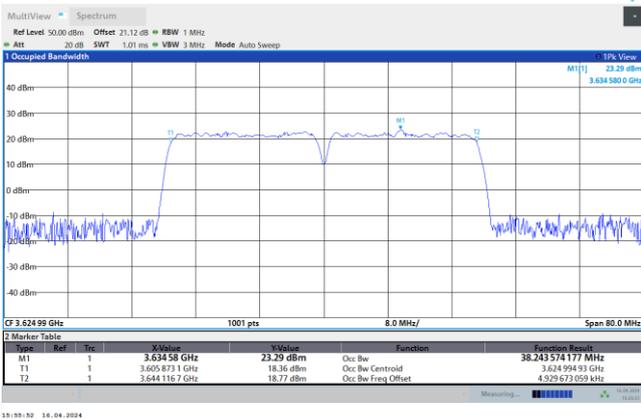




FR1 n48 / 20MHz+20MHz / Middle Channel / 99%OBW

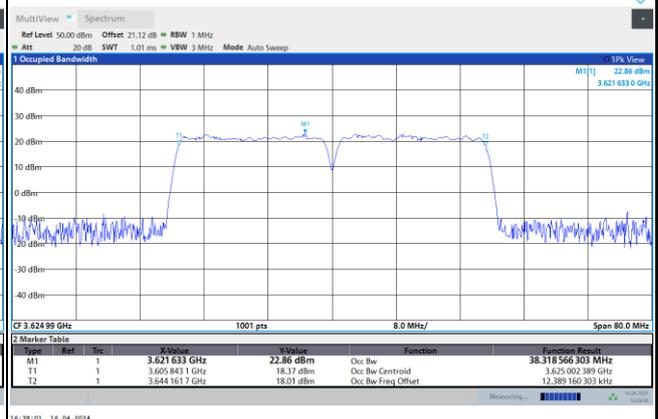
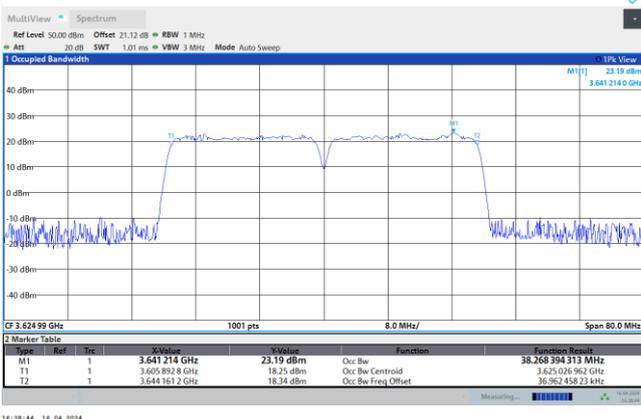
QPSK

16QAM



64QAM

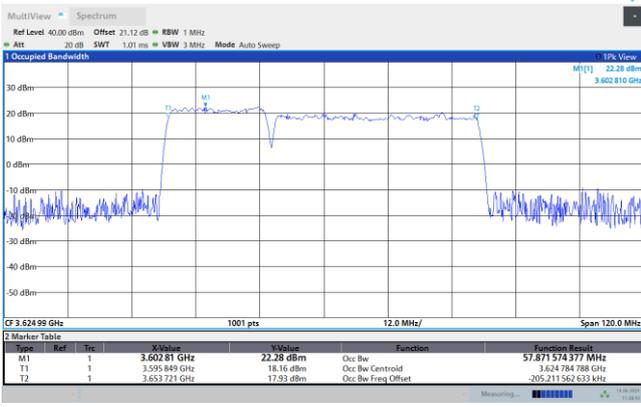
256QAM



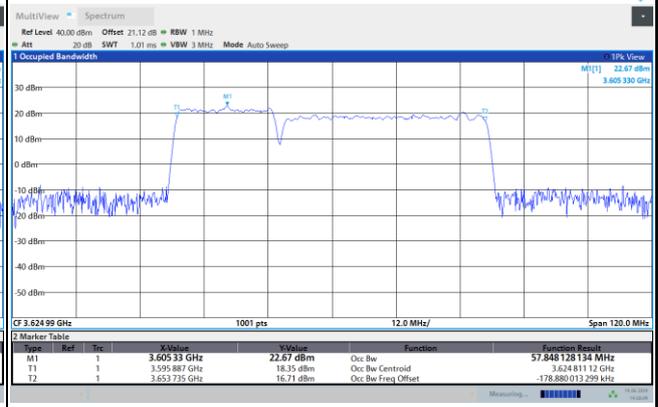


FR1 n48 / 20MHz+40MHz / Middle Channel / 99%OBW

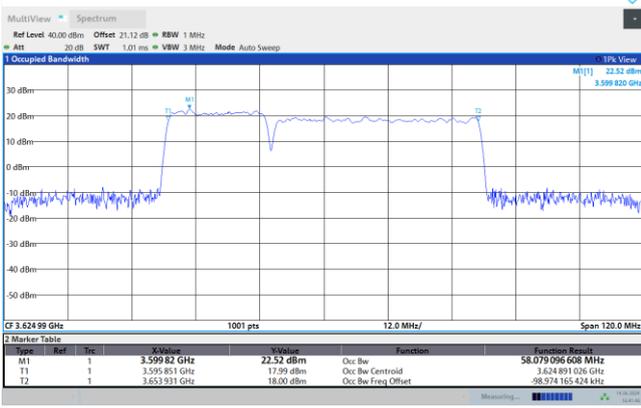
QPSK



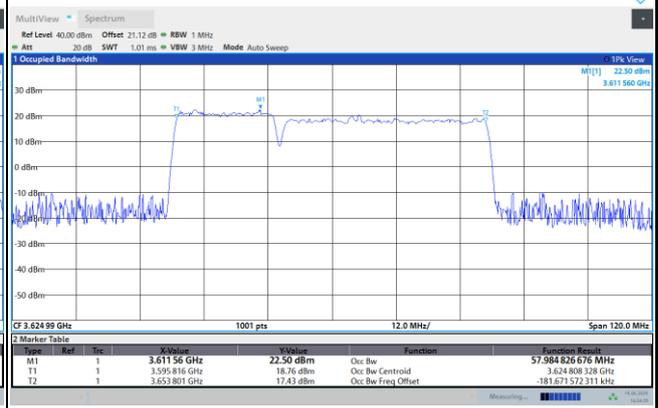
16QAM



64QAM



256QAM

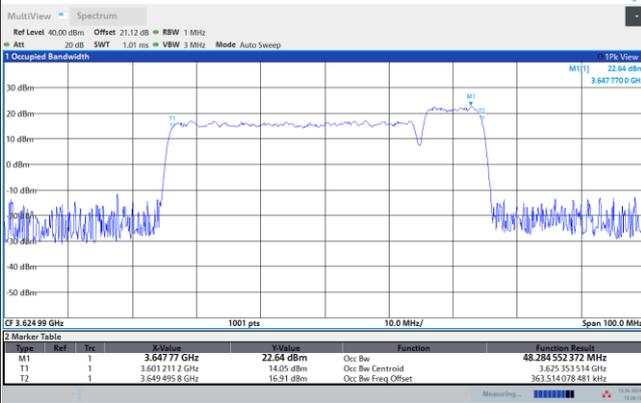




FR1 n48 / 40MHz+10MHz / Middle Channel / 99%OBW

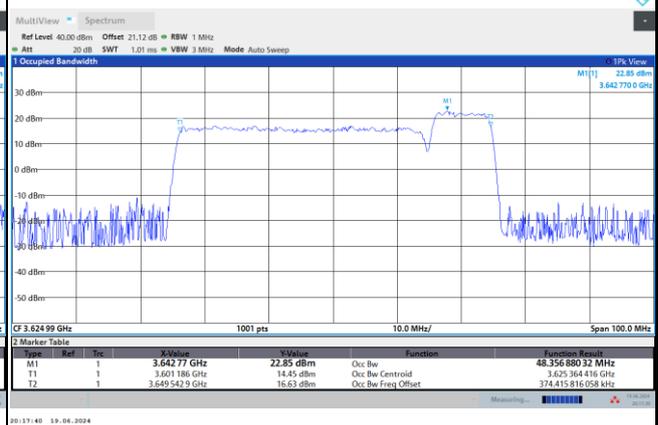
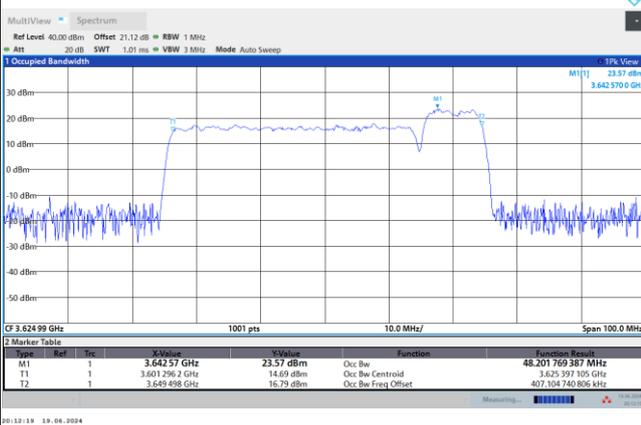
QPSK

16QAM



64QAM

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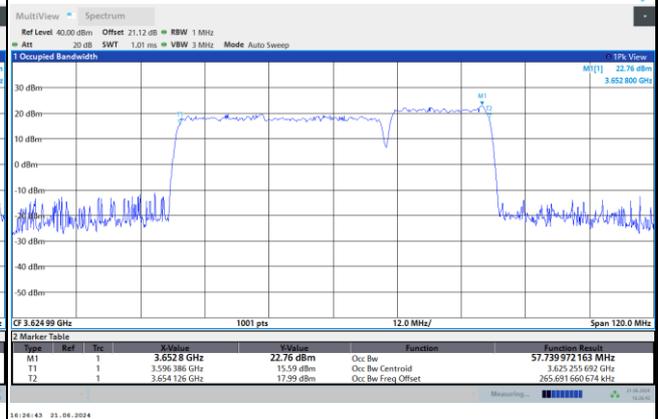
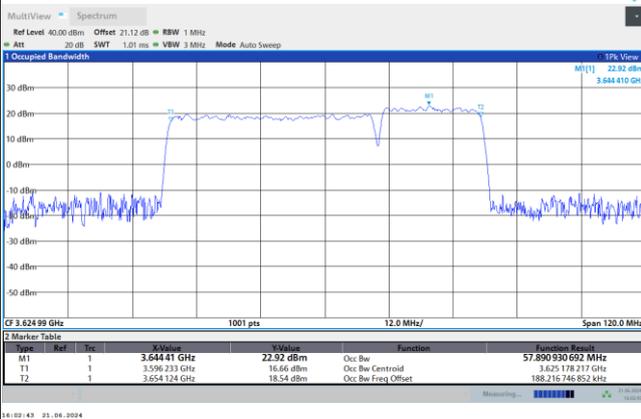




FR1 n48 / 40MHz+20MHz / Middle Channel / 99%OBW

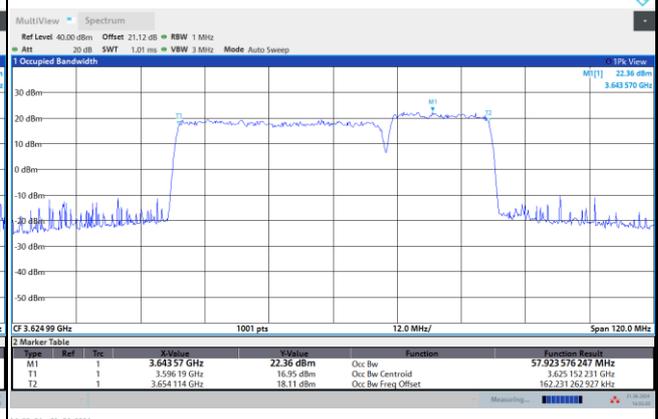
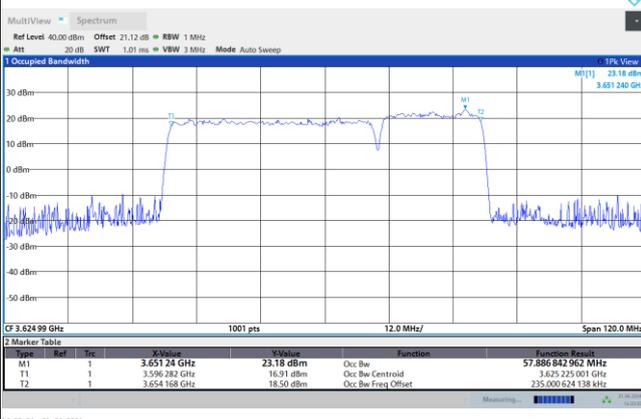
QPSK

16QAM



64QAM

256QAM





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

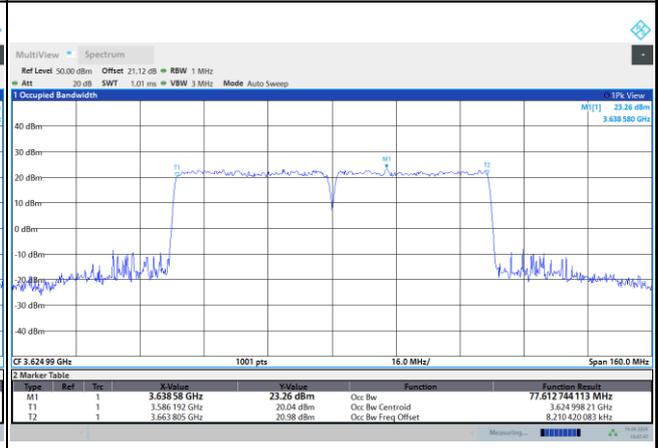
QPSK

16QAM



64QAM

256QAM



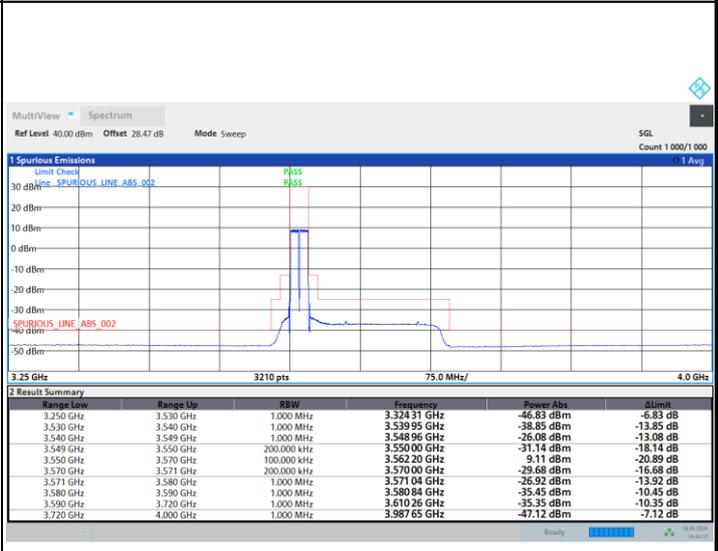
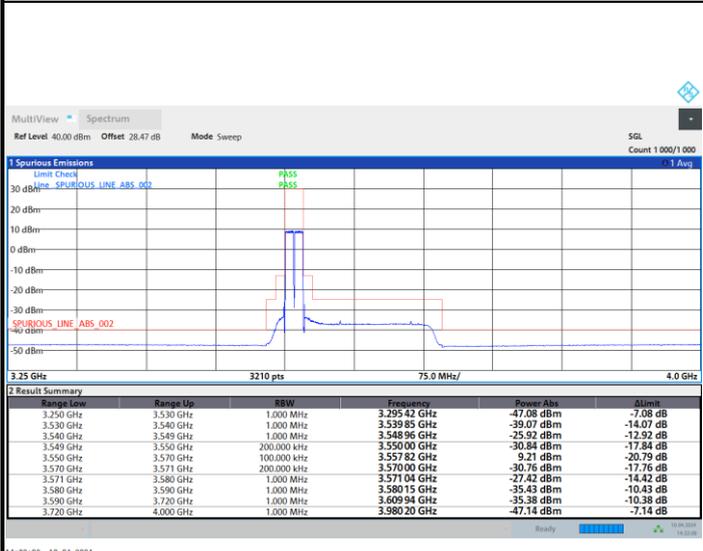


# Unwanted Emission (MASK)

## FR1 n48 / 10MHz+10MHz / Lowest Channel / MASK

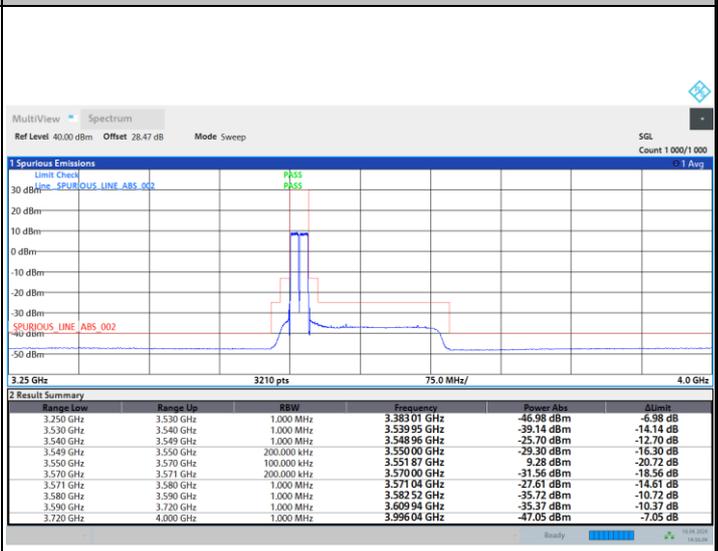
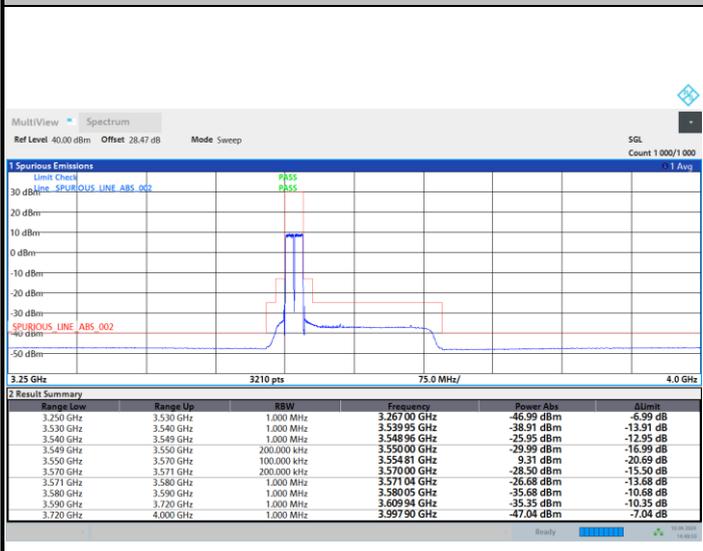
QPSK

16QAM



64QAM

256QAM

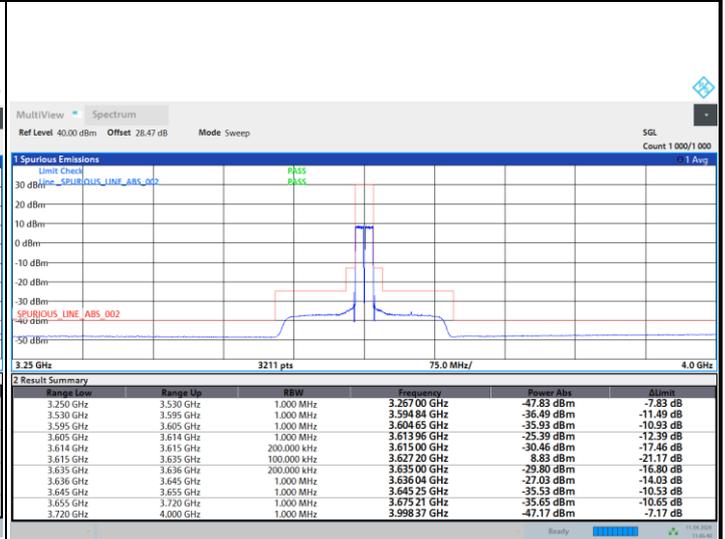
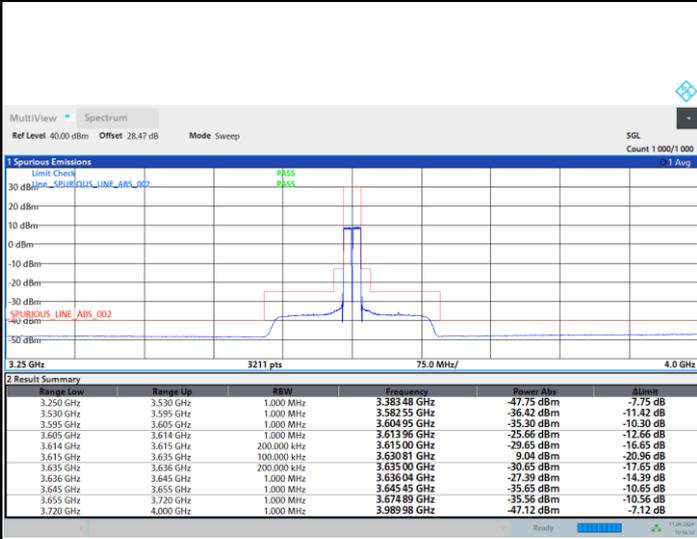




FR1 n48 / 10MHz+10MHz / Middle Channel / MASK

QPSK

16QAM



64QAM

256QAM

