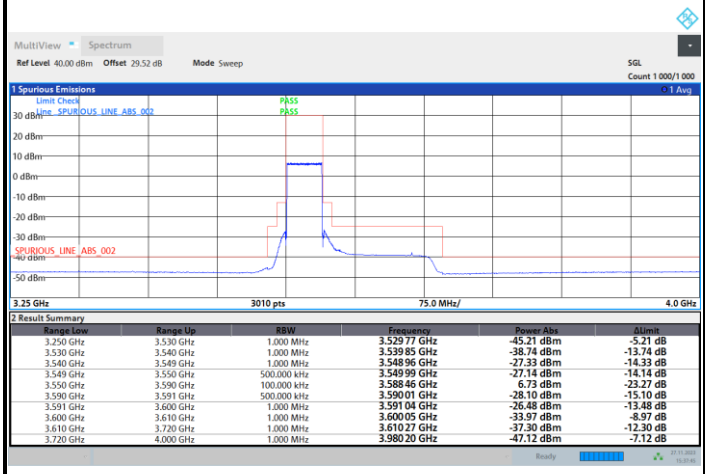
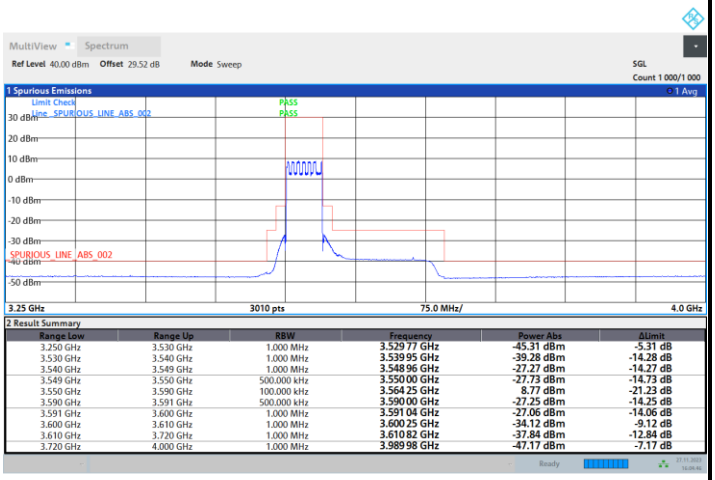
FR1 n48 / 40MHz / Lowest Channel / MASK

QPSK



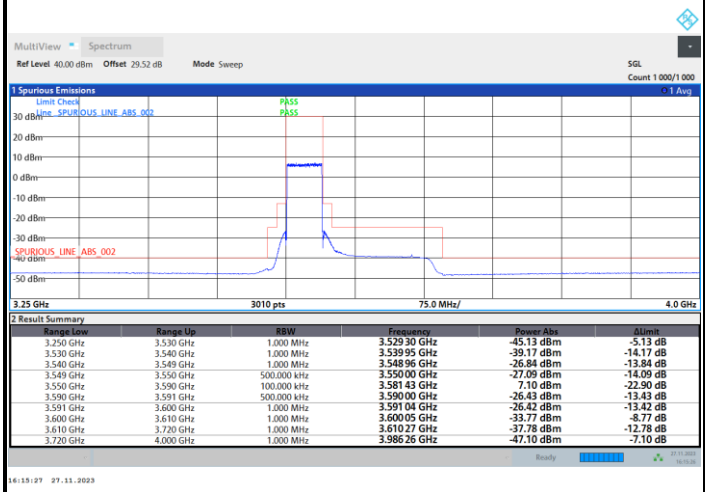
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.529 77 GHz	-45.21 dBm	-5.21 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 85 GHz	-38.74 dBm	-13.74 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 96 GHz	-27.33 dBm	-14.33 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.549 99 GHz	-27.14 dBm	-14.14 dB
3.550 GHz	3.590 GHz	100.000 kHz	3.588 46 GHz	6.73 dBm	-23.27 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.590 01 GHz	-28.10 dBm	-15.10 dB
3.591 GHz	3.600 GHz	1.000 MHz	3.591 04 GHz	-26.48 dBm	-13.48 dB
3.600 GHz	3.610 GHz	1.000 MHz	3.600 05 GHz	-33.97 dBm	-8.97 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.610 27 GHz	-37.30 dBm	-12.30 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.980 20 GHz	-47.12 dBm	-7.12 dB

16QAM



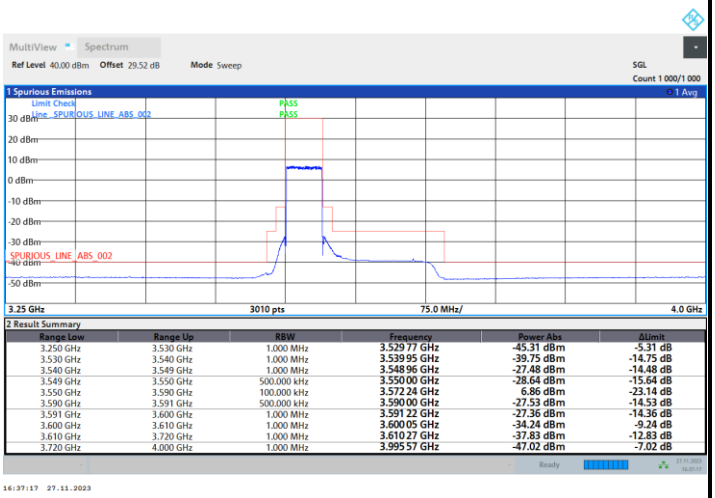
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.529 77 GHz	-45.31 dBm	-5.31 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 95 GHz	-39.28 dBm	-14.28 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 96 GHz	-27.27 dBm	-14.27 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.550 00 GHz	-27.73 dBm	-14.73 dB
3.550 GHz	3.590 GHz	100.000 kHz	3.564 25 GHz	8.77 dBm	-21.23 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.590 00 GHz	-27.25 dBm	-14.25 dB
3.591 GHz	3.600 GHz	1.000 MHz	3.591 04 GHz	-27.06 dBm	-14.06 dB
3.600 GHz	3.610 GHz	1.000 MHz	3.600 25 GHz	-34.12 dBm	-9.12 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.610 82 GHz	-37.84 dBm	-12.84 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.989 98 GHz	-47.17 dBm	-7.17 dB

64QAM



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.529 30 GHz	-45.13 dBm	-5.13 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 95 GHz	-39.17 dBm	-14.17 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 96 GHz	-26.84 dBm	-13.84 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.550 00 GHz	-27.09 dBm	-14.09 dB
3.550 GHz	3.590 GHz	100.000 kHz	3.581 43 GHz	7.10 dBm	-22.90 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.590 00 GHz	-26.43 dBm	-13.43 dB
3.591 GHz	3.600 GHz	1.000 MHz	3.591 04 GHz	-26.42 dBm	-13.42 dB
3.600 GHz	3.610 GHz	1.000 MHz	3.600 05 GHz	-33.77 dBm	-8.77 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.610 27 GHz	-37.78 dBm	-12.78 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.986 26 GHz	-47.10 dBm	-7.10 dB

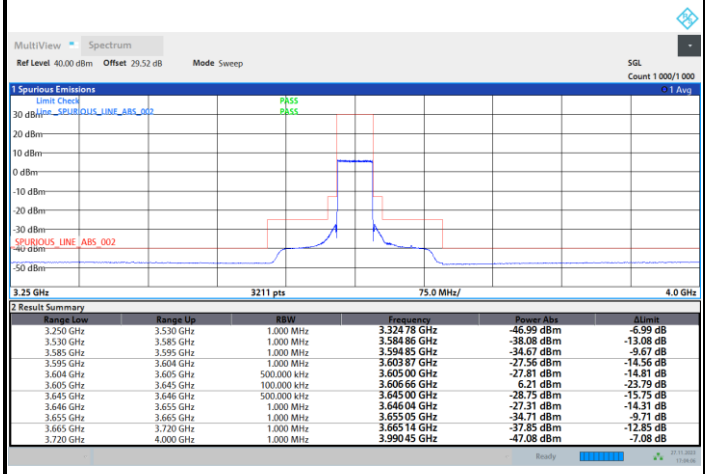
256QAM



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.529 77 GHz	-45.31 dBm	-5.31 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 95 GHz	-39.75 dBm	-14.75 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 96 GHz	-27.48 dBm	-14.48 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.550 00 GHz	-28.64 dBm	-15.64 dB
3.550 GHz	3.590 GHz	100.000 kHz	3.572 24 GHz	6.86 dBm	-23.14 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.590 00 GHz	-27.53 dBm	-14.53 dB
3.591 GHz	3.600 GHz	1.000 MHz	3.591 22 GHz	-27.36 dBm	-14.36 dB
3.600 GHz	3.610 GHz	1.000 MHz	3.600 05 GHz	-34.24 dBm	-9.24 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.610 27 GHz	-37.83 dBm	-12.83 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.995 57 GHz	-47.02 dBm	-7.02 dB

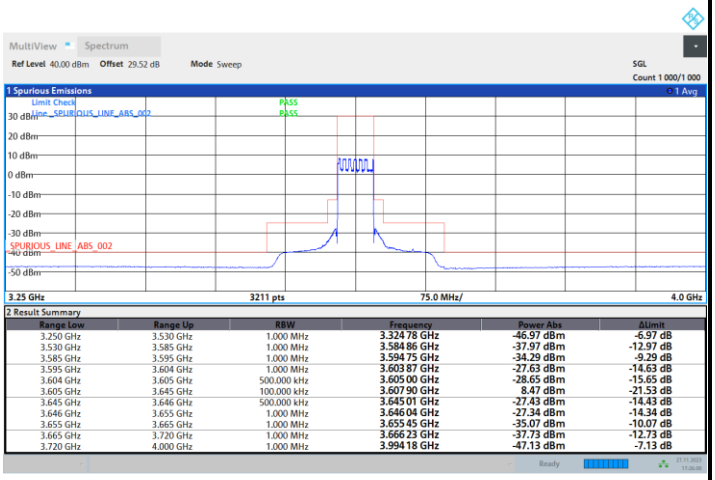
FR1 n48 / 40MHz / Middle Channel / MASK

QPSK



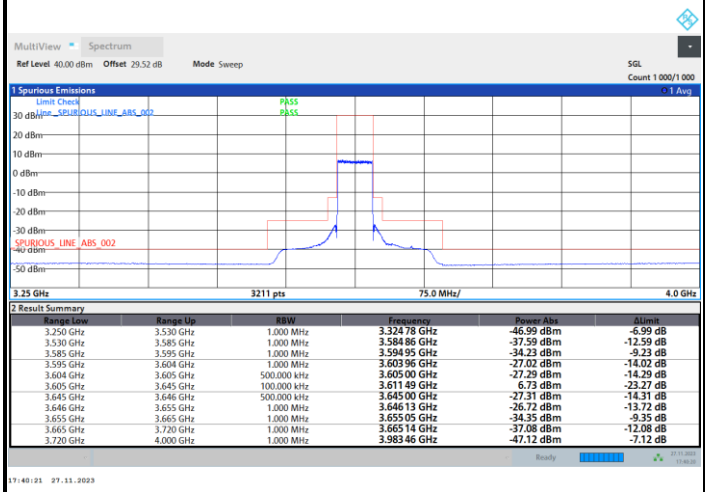
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.324 78 GHz	-46.99 dBm	-6.99 dB
3.530 GHz	3.585 GHz	1.000 MHz	3.584 86 GHz	-38.08 dBm	-13.08 dB
3.585 GHz	3.595 GHz	1.000 MHz	3.594 85 GHz	-34.67 dBm	-9.67 dB
3.595 GHz	3.604 GHz	1.000 MHz	3.603 87 GHz	-27.56 dBm	-14.56 dB
3.604 GHz	3.605 GHz	500.000 kHz	3.605 00 GHz	-27.81 dBm	-14.81 dB
3.605 GHz	3.645 GHz	100.000 kHz	3.606 66 GHz	6.21 dBm	-23.79 dB
3.645 GHz	3.646 GHz	500.000 kHz	3.645 00 GHz	-28.75 dBm	-15.75 dB
3.646 GHz	3.655 GHz	1.000 MHz	3.646 04 GHz	-27.31 dBm	-14.31 dB
3.655 GHz	3.665 GHz	1.000 MHz	3.655 05 GHz	-34.71 dBm	-9.71 dB
3.665 GHz	3.720 GHz	1.000 MHz	3.665 14 GHz	-37.85 dBm	-12.85 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.990 45 GHz	-47.08 dBm	-7.08 dB

16QAM



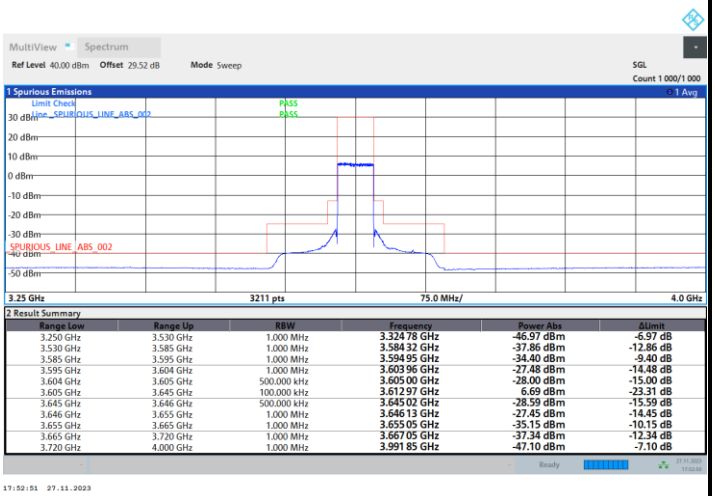
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.324 78 GHz	-46.97 dBm	-6.97 dB
3.530 GHz	3.585 GHz	1.000 MHz	3.584 86 GHz	-37.97 dBm	-12.97 dB
3.585 GHz	3.595 GHz	1.000 MHz	3.594 75 GHz	-34.29 dBm	-9.29 dB
3.595 GHz	3.604 GHz	1.000 MHz	3.603 87 GHz	-27.63 dBm	-14.63 dB
3.604 GHz	3.605 GHz	500.000 kHz	3.605 00 GHz	-28.65 dBm	-15.65 dB
3.605 GHz	3.645 GHz	100.000 kHz	3.607 90 GHz	8.47 dBm	-21.53 dB
3.645 GHz	3.646 GHz	500.000 kHz	3.645 01 GHz	-27.43 dBm	-14.43 dB
3.646 GHz	3.655 GHz	1.000 MHz	3.646 04 GHz	-27.34 dBm	-14.34 dB
3.655 GHz	3.665 GHz	1.000 MHz	3.655 45 GHz	-35.07 dBm	-10.07 dB
3.665 GHz	3.720 GHz	1.000 MHz	3.666 23 GHz	-37.73 dBm	-12.73 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.994 18 GHz	-47.13 dBm	-7.13 dB

64QAM



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.324 78 GHz	-46.99 dBm	-6.99 dB
3.530 GHz	3.585 GHz	1.000 MHz	3.584 86 GHz	-37.59 dBm	-12.59 dB
3.585 GHz	3.595 GHz	1.000 MHz	3.594 95 GHz	-34.23 dBm	-9.23 dB
3.595 GHz	3.604 GHz	1.000 MHz	3.603 96 GHz	-27.02 dBm	-14.02 dB
3.604 GHz	3.605 GHz	500.000 kHz	3.605 00 GHz	-27.29 dBm	-14.29 dB
3.605 GHz	3.645 GHz	100.000 kHz	3.611 49 GHz	6.73 dBm	-23.27 dB
3.645 GHz	3.646 GHz	500.000 kHz	3.645 00 GHz	-27.31 dBm	-14.31 dB
3.646 GHz	3.655 GHz	1.000 MHz	3.646 13 GHz	-26.72 dBm	-13.72 dB
3.655 GHz	3.665 GHz	1.000 MHz	3.655 05 GHz	-34.35 dBm	-9.35 dB
3.665 GHz	3.720 GHz	1.000 MHz	3.665 14 GHz	-37.08 dBm	-12.08 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.983 46 GHz	-47.12 dBm	-7.12 dB

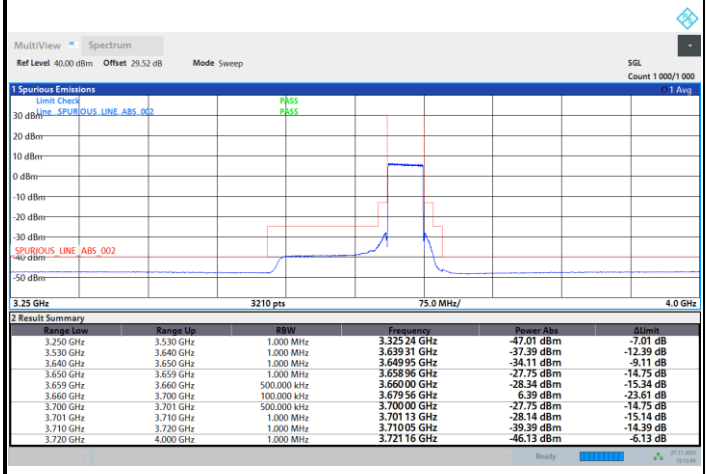
256QAM



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.324 78 GHz	-46.97 dBm	-6.97 dB
3.530 GHz	3.585 GHz	1.000 MHz	3.584 32 GHz	-37.86 dBm	-12.86 dB
3.585 GHz	3.595 GHz	1.000 MHz	3.594 95 GHz	-34.40 dBm	-9.40 dB
3.595 GHz	3.604 GHz	1.000 MHz	3.603 96 GHz	-27.48 dBm	-14.48 dB
3.604 GHz	3.605 GHz	500.000 kHz	3.605 00 GHz	-28.00 dBm	-15.00 dB
3.605 GHz	3.645 GHz	100.000 kHz	3.612 97 GHz	6.69 dBm	-23.31 dB
3.645 GHz	3.646 GHz	500.000 kHz	3.645 02 GHz	-28.59 dBm	-15.59 dB
3.646 GHz	3.655 GHz	1.000 MHz	3.646 13 GHz	-27.45 dBm	-14.45 dB
3.655 GHz	3.665 GHz	1.000 MHz	3.655 05 GHz	-35.15 dBm	-10.15 dB
3.665 GHz	3.720 GHz	1.000 MHz	3.667 05 GHz	-37.34 dBm	-12.34 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.991 85 GHz	-47.10 dBm	-7.10 dB

FR1 n48 / 40MHz / Highest Channel / MASK

QPSK



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.325 24 GHz	-47.01 dBm	-7.01 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.639 31 GHz	-37.39 dBm	-12.39 dB
3.640 GHz	3.650 GHz	1.000 MHz	3.649 95 GHz	-34.11 dBm	-9.11 dB
3.650 GHz	3.659 GHz	1.000 MHz	3.658 96 GHz	-27.75 dBm	-14.75 dB
3.659 GHz	3.660 GHz	500.000 kHz	3.660 00 GHz	-28.34 dBm	-15.34 dB
3.660 GHz	3.700 GHz	100.000 kHz	3.679 56 GHz	6.39 dBm	-23.61 dB
3.700 GHz	3.701 GHz	500.000 kHz	3.700 00 GHz	-27.75 dBm	-14.75 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.701 13 GHz	-28.14 dBm	-15.14 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.710 05 GHz	-39.39 dBm	-14.39 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.721 16 GHz	-46.13 dBm	-6.13 dB

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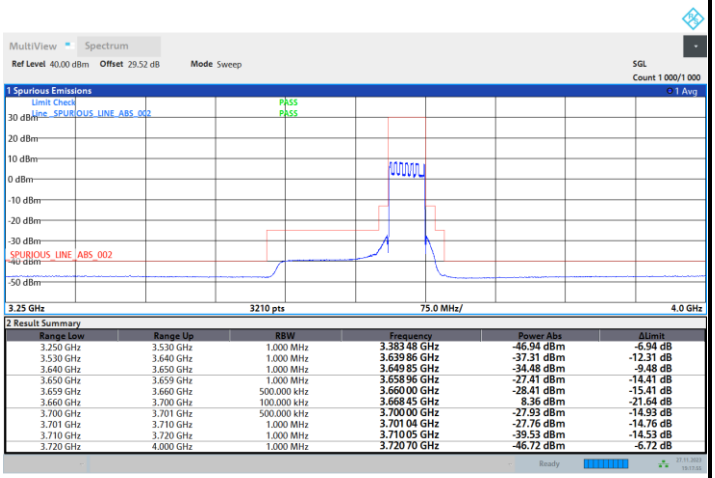
16QAM



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.383 48 GHz	-46.94 dBm	-6.94 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.639 86 GHz	-37.31 dBm	-12.31 dB
3.640 GHz	3.650 GHz	1.000 MHz	3.649 85 GHz	-34.48 dBm	-9.48 dB
3.650 GHz	3.659 GHz	1.000 MHz	3.658 96 GHz	-27.41 dBm	-14.41 dB
3.659 GHz	3.660 GHz	500.000 kHz	3.660 00 GHz	-28.41 dBm	-15.41 dB
3.660 GHz	3.700 GHz	100.000 kHz	3.668 45 GHz	8.36 dBm	-21.64 dB
3.700 GHz	3.701 GHz	500.000 kHz	3.700 00 GHz	-27.93 dBm	-14.93 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.701 04 GHz	-27.76 dBm	-14.76 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.710 05 GHz	-39.53 dBm	-14.53 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.720 70 GHz	-46.72 dBm	-6.72 dB

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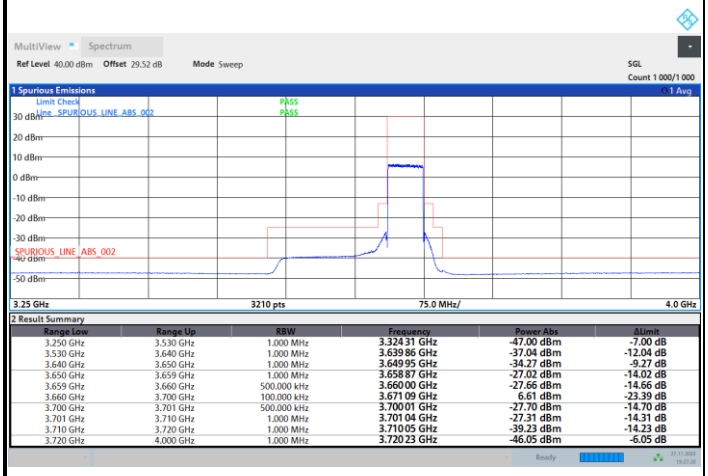
64QAM



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.324 31 GHz	-47.00 dBm	-7.00 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.639 86 GHz	-37.04 dBm	-12.04 dB
3.640 GHz	3.650 GHz	1.000 MHz	3.649 95 GHz	-34.27 dBm	-9.27 dB
3.650 GHz	3.659 GHz	1.000 MHz	3.658 87 GHz	-27.02 dBm	-14.02 dB
3.659 GHz	3.660 GHz	500.000 kHz	3.660 00 GHz	-27.66 dBm	-14.66 dB
3.660 GHz	3.700 GHz	100.000 kHz	3.671 09 GHz	6.61 dBm	-23.39 dB
3.700 GHz	3.701 GHz	500.000 kHz	3.700 01 GHz	-27.70 dBm	-14.70 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.701 04 GHz	-27.31 dBm	-14.31 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.710 05 GHz	-39.23 dBm	-14.23 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.720 23 GHz	-46.05 dBm	-6.05 dB

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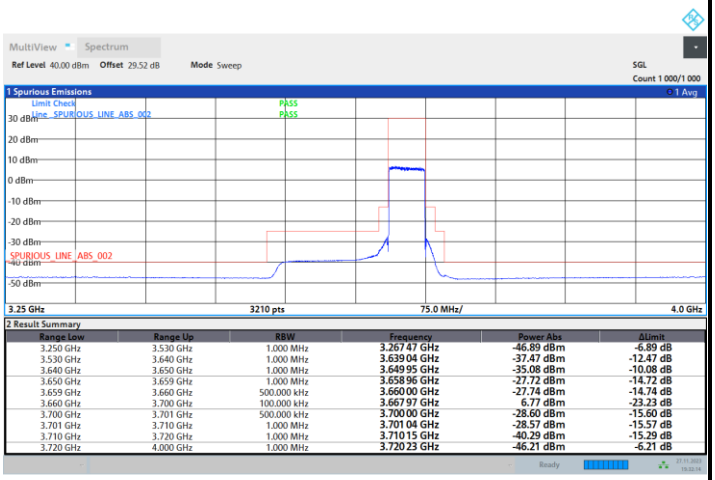
256QAM



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.250 GHz	3.530 GHz	1.000 MHz	3.267 47 GHz	-46.89 dBm	-6.89 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.639 04 GHz	-37.47 dBm	-12.47 dB
3.640 GHz	3.650 GHz	1.000 MHz	3.649 95 GHz	-35.08 dBm	-10.08 dB
3.650 GHz	3.659 GHz	1.000 MHz	3.658 96 GHz	-27.72 dBm	-14.72 dB
3.659 GHz	3.660 GHz	500.000 kHz	3.660 00 GHz	-27.74 dBm	-14.74 dB
3.660 GHz	3.700 GHz	100.000 kHz	3.667 97 GHz	6.77 dBm	-23.23 dB
3.700 GHz	3.701 GHz	500.000 kHz	3.700 00 GHz	-28.60 dBm	-15.60 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.701 04 GHz	-28.57 dBm	-15.57 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.710 15 GHz	-40.29 dBm	-15.29 dB
3.720 GHz	4.000 GHz	1.000 MHz	3.720 23 GHz	-46.21 dBm	-6.21 dB

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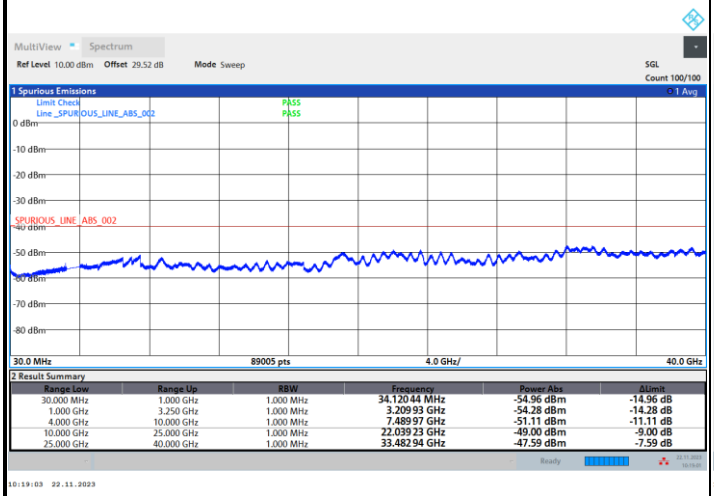
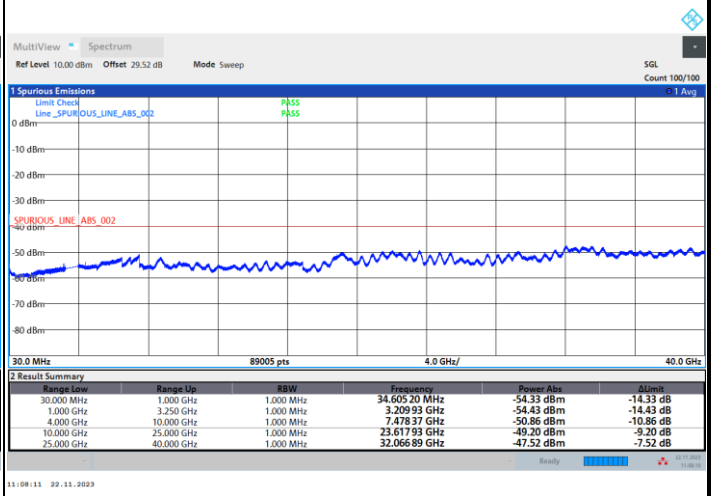
Conducted Spurious Emission

FR1 n48 / 10MHz / QPSK / CSE

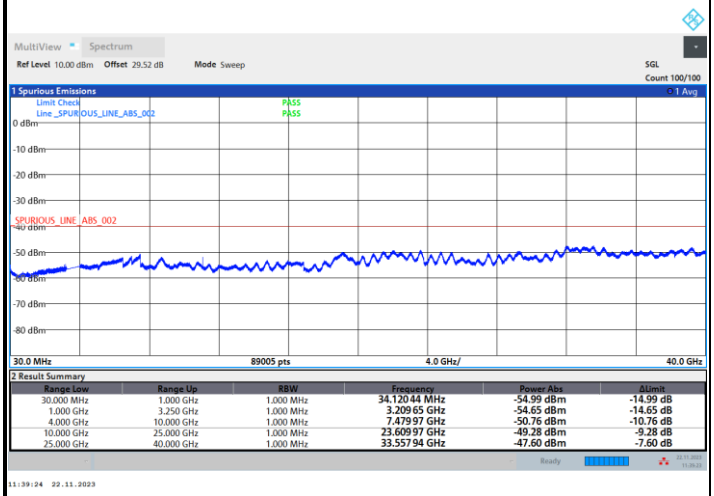
Lowest Channel



Middle Channel

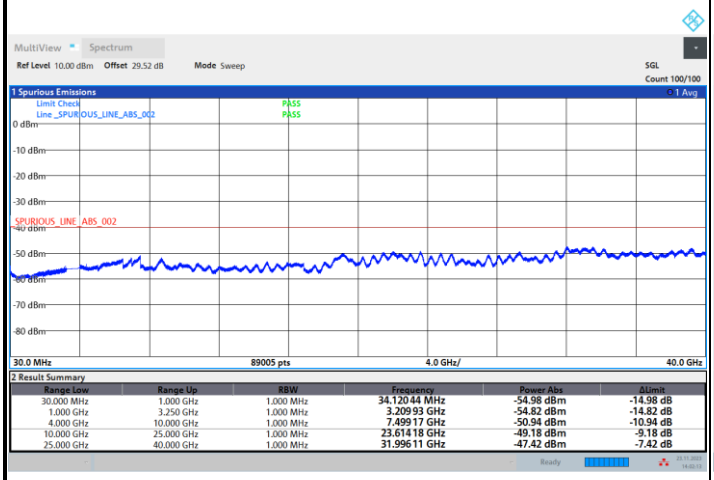


Highest Channel

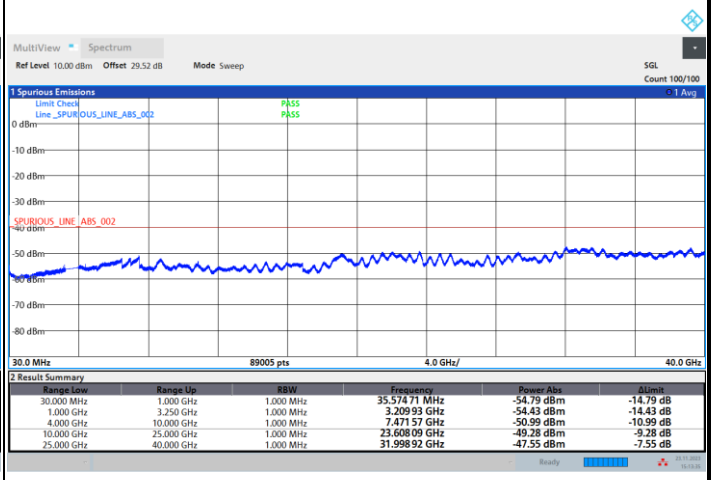


FR1 n48 / 20MHz / QPSK / CSE

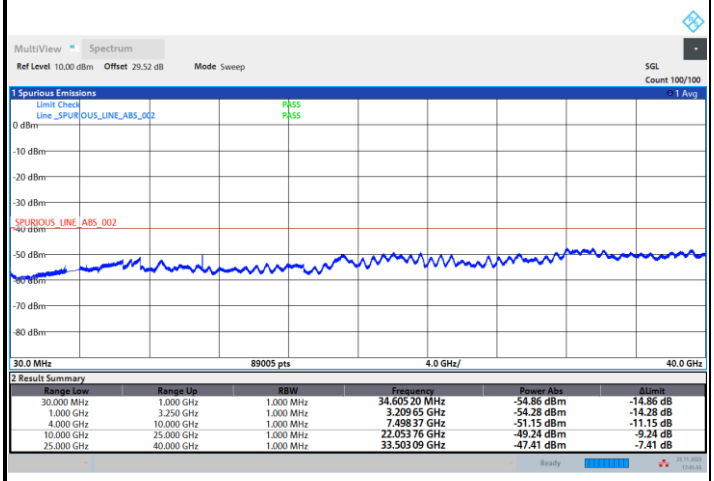
Lowest Channel



Middle Channel

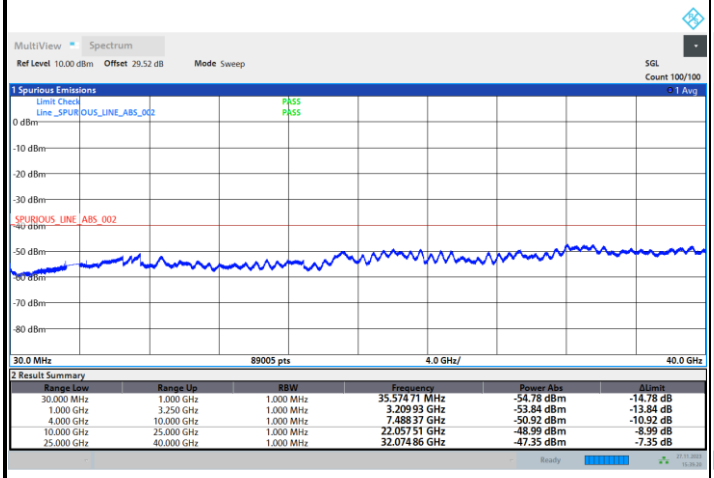


Highest Channel

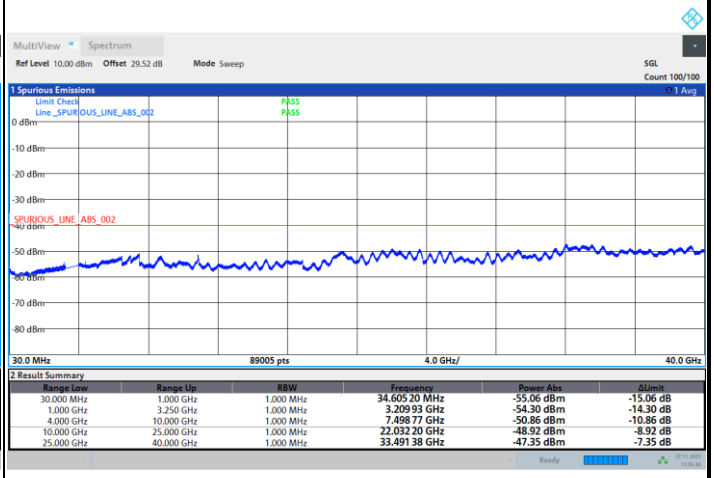


FR1 n48 / 40MHz / QPSK / CSE

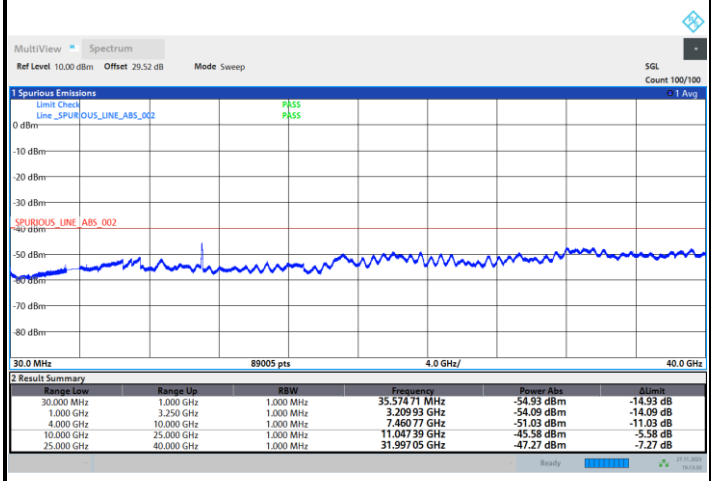
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Frequency offset (ppm)	Result
50	Normal Voltage	2.3172	PASS
40	Normal Voltage	0.4414	
30	Normal Voltage	0.4414	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.6069	
-10	Normal Voltage	0.0552	
-20	Normal Voltage	0.6621	
-30	Normal Voltage	0.0552	
20	Maximum Voltage	0.4966	
20	Normal Voltage	0.1655	
20	Minimum Voltage	0.7724	

Note:

1. Normal Voltage = 115 V.；Minimum Voltage = 100 V.；Maximum Voltage = 240 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

<MIMO ANT 3>

Maximum EIRP (dBm/10MHz)

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Lowest Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Lowest CH	20.63	20.61	20.49	20.32	19.87	20.52		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Lowest CH	20.33	20.46	20.28	20.24	19.93	20.25		

Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Lowest Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Lowest CH	44.15	44.13	44.01	43.84	43.39	44.04		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Lowest CH	43.85	43.98	43.80	43.76	43.45	43.77		
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							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	20.12	20.29	19.74	19.95	19.57	19.83		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	20.39	20.46	19.78	19.61	19.73	20.05		

Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Middle Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	43.64	43.81	43.26	43.47	43.09	43.35		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	43.91	43.98	43.30	43.13	43.25	43.57		
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							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Highest CH	20.02	20.24	19.28	19.29	19.64	20.01		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Highest CH	20.02	20.02	19.39	19.35	19.62	19.66		

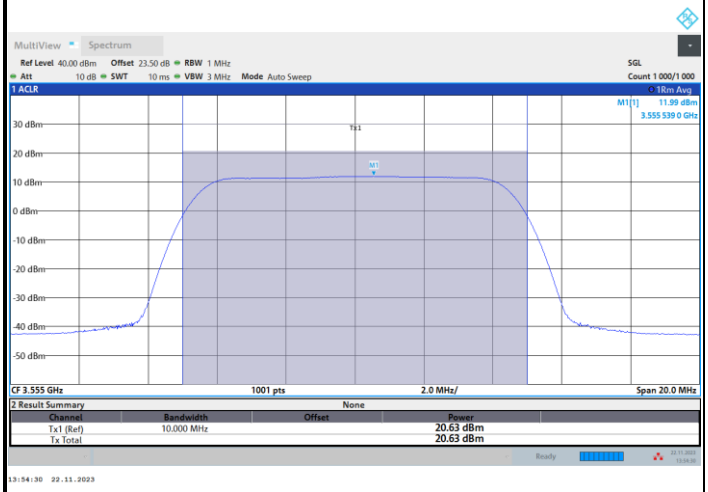
Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Highest Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Highest CH	43.54	43.76	42.80	42.81	43.16	43.53		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Highest CH	43.54	43.54	42.91	42.87	43.14	43.18		
Limit	47dBm/10MHz							
Result	PASS							

Note

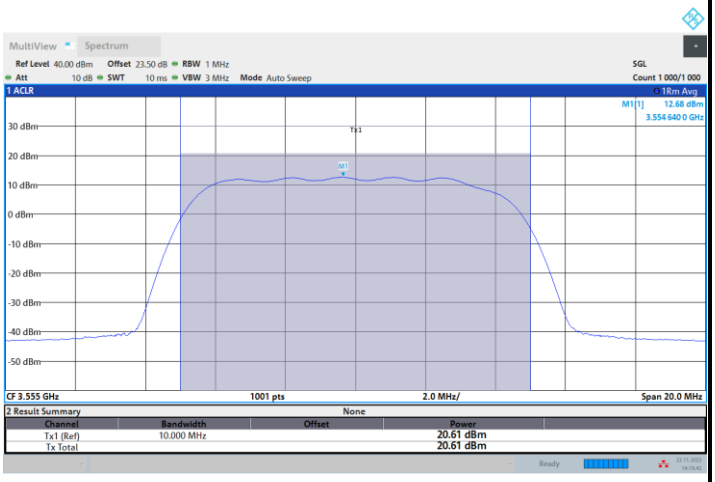
1. The measured conducted result has included duty cycle offset factor.
2. The Maximum EIRP = conducted result + 6.02dB (4TX) + 17.5dBi MIMO antenna gain.

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

QPSK



16QAM



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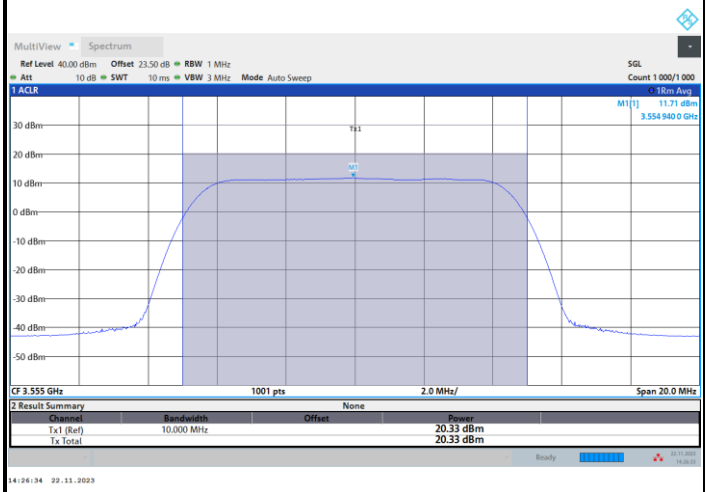

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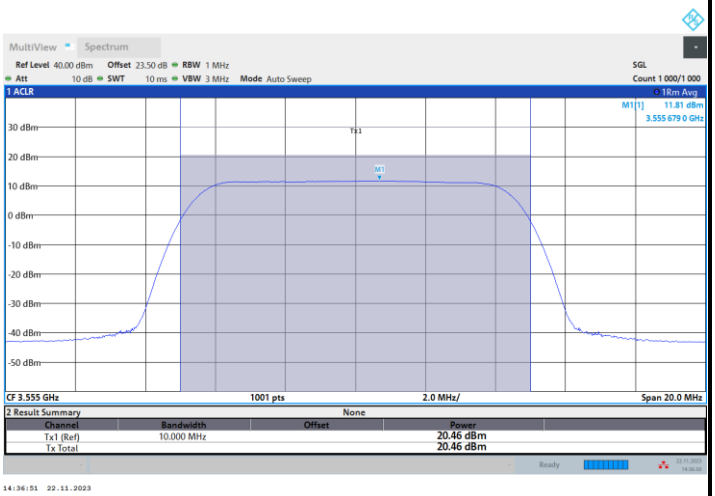
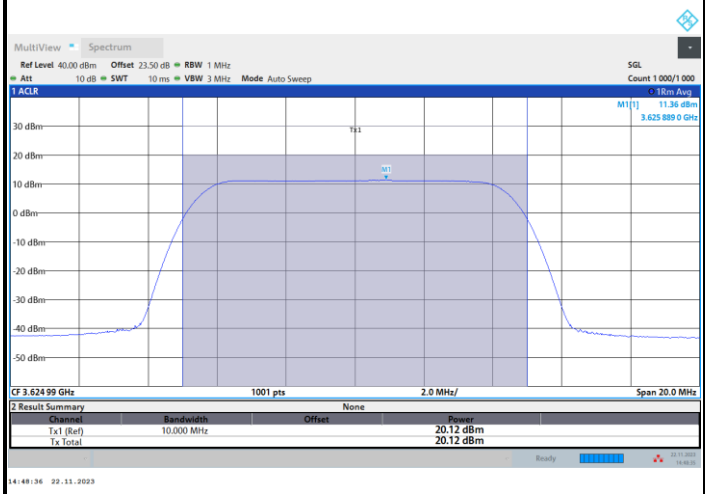


FR1 n48 / 10MHz / Middle Channel / Conducted (dBm/10MHz)

QPSK



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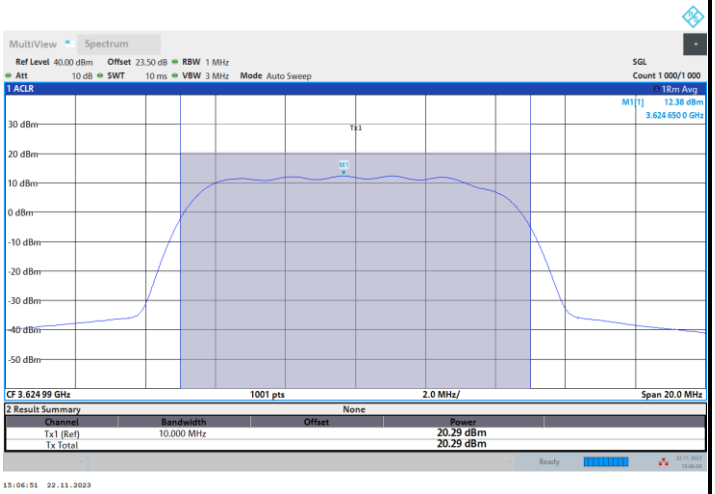

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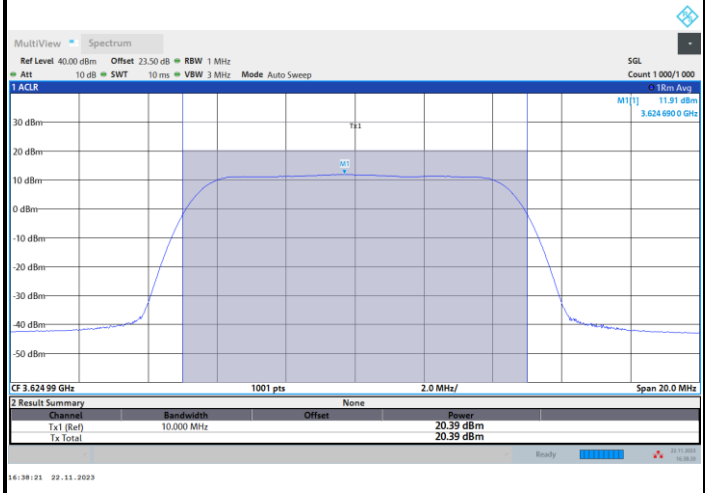

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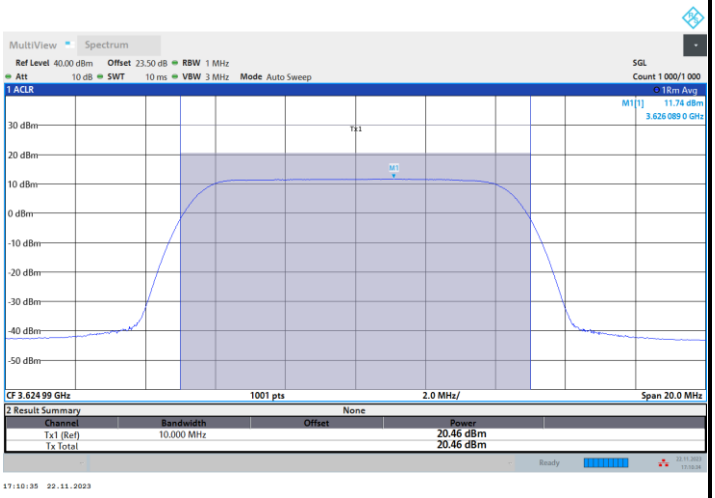
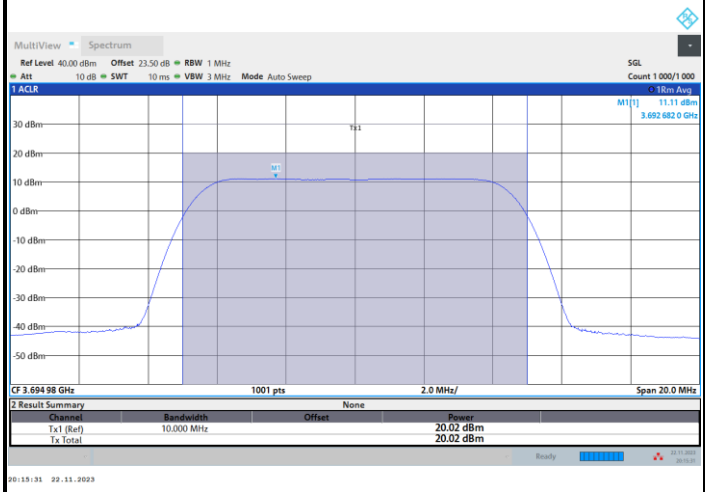


FR1 n48 / 10MHz / Highest Channel / Conducted (dBm/10MHz)

QPSK



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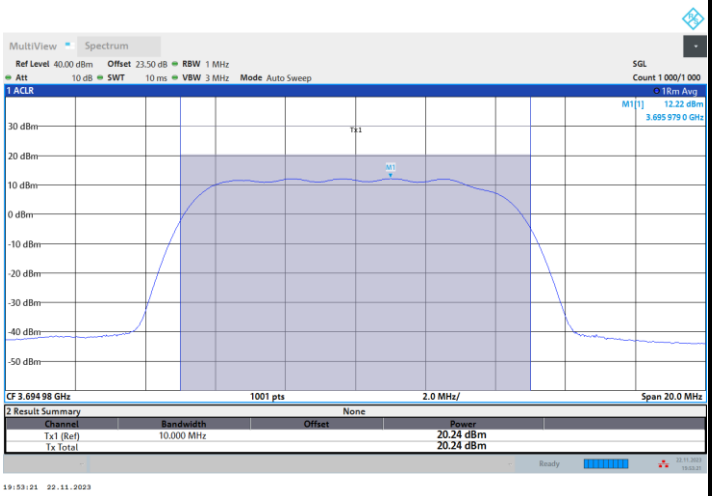

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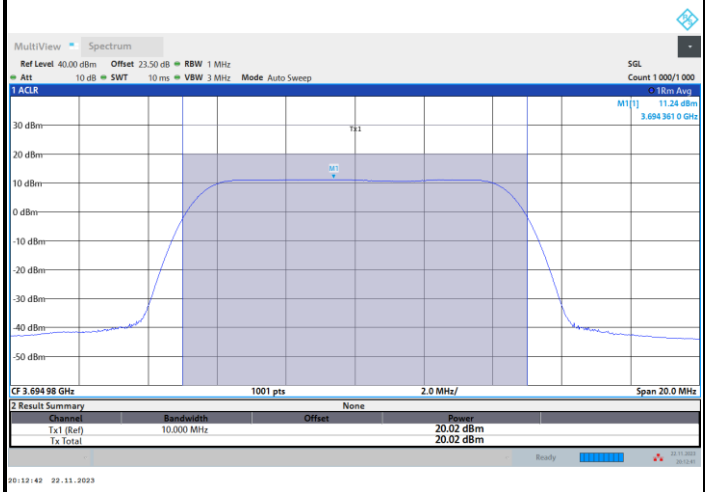

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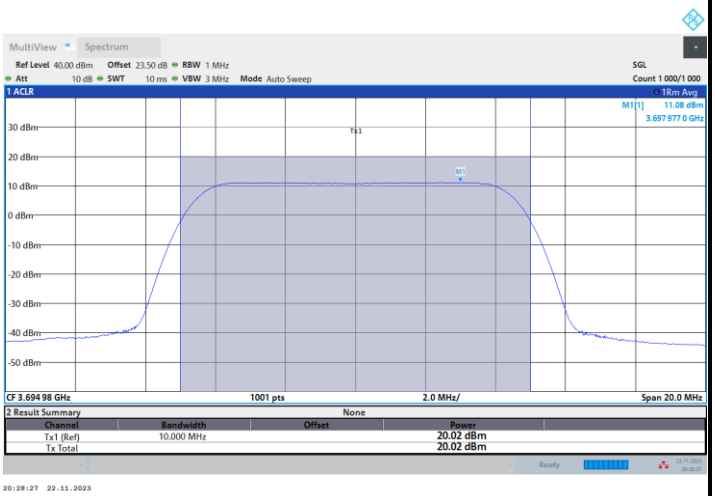
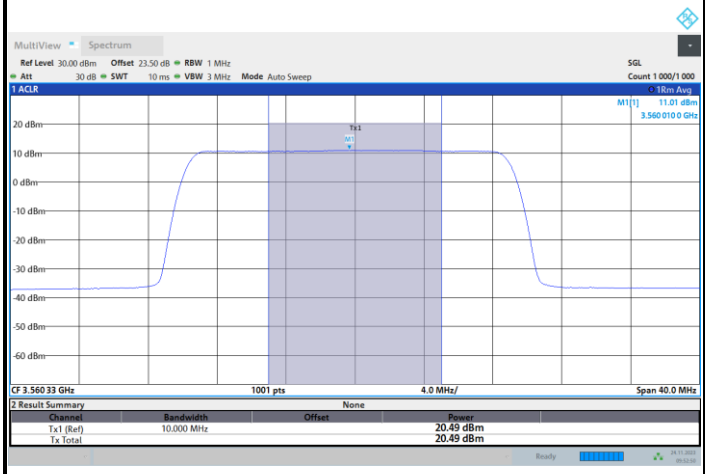


FR1 n48 / 20MHz / Lowest Channel / Conducted (dBm/10MHz)

QPSK



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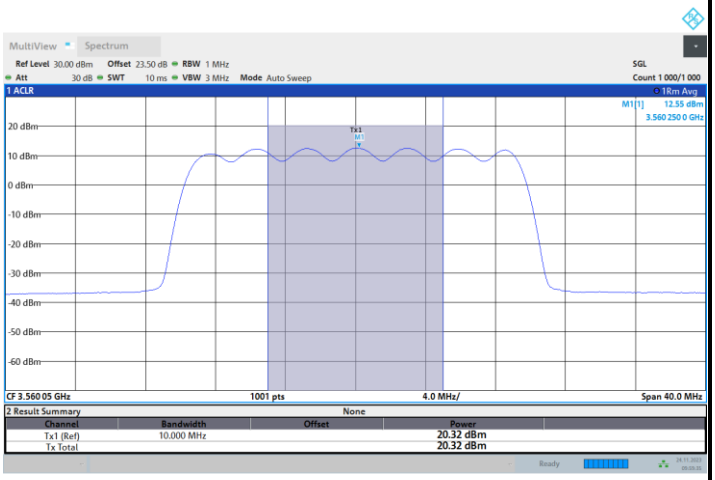

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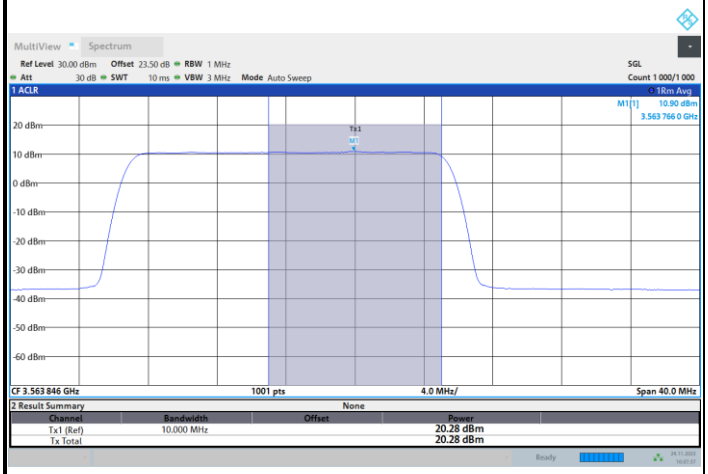

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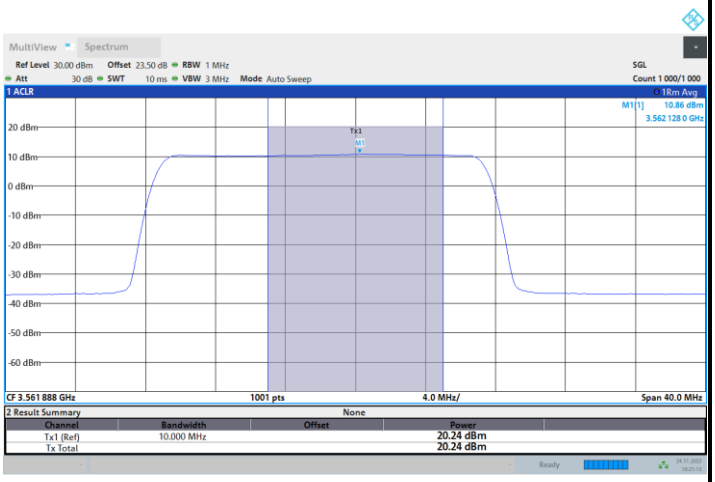
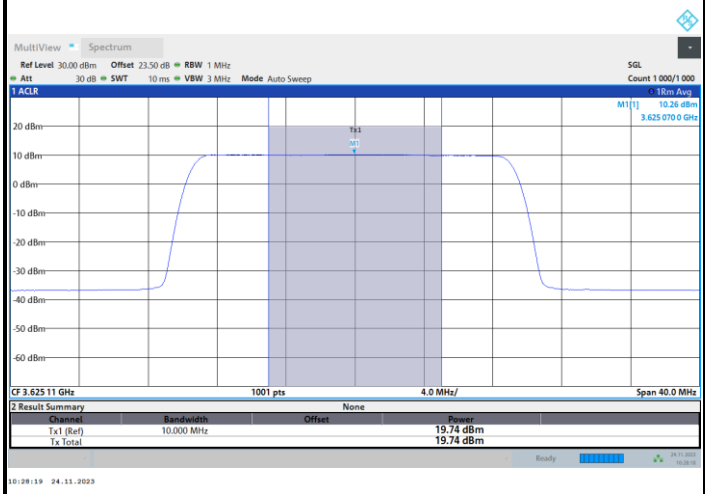


FR1 n48 / 20MHz / Middle Channel / Conducted (dBm/10MHz)

QPSK



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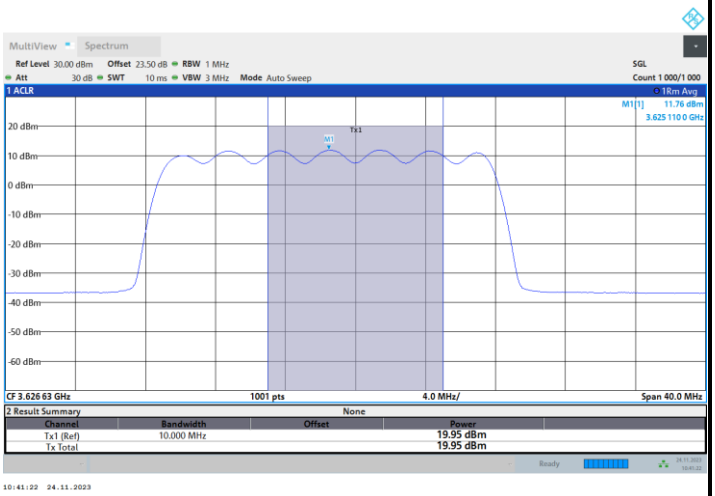

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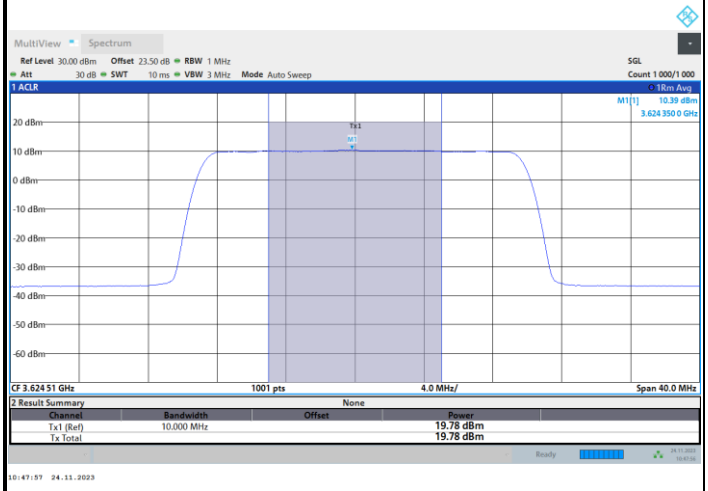

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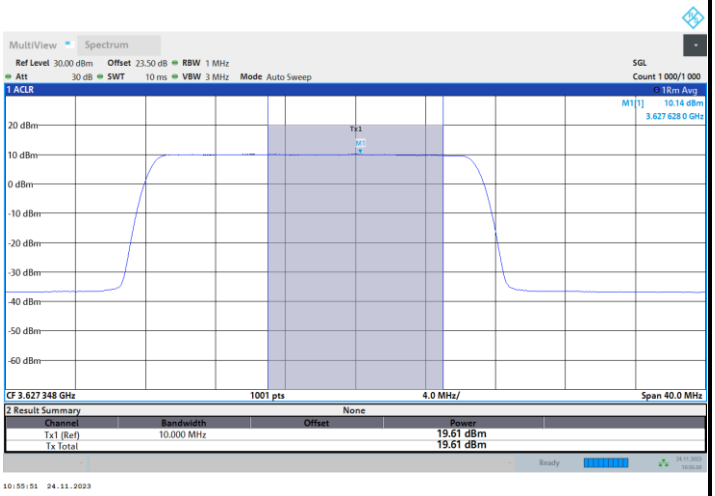
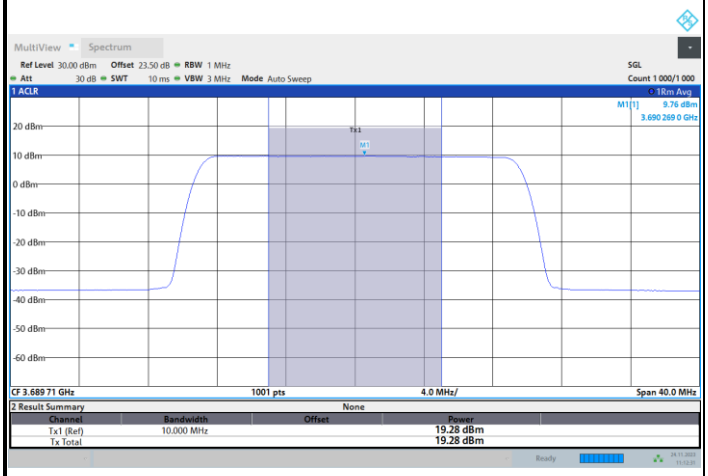


FR1 n48 / 20MHz / Highest Channel / Conducted (dBm/10MHz)

QPSK



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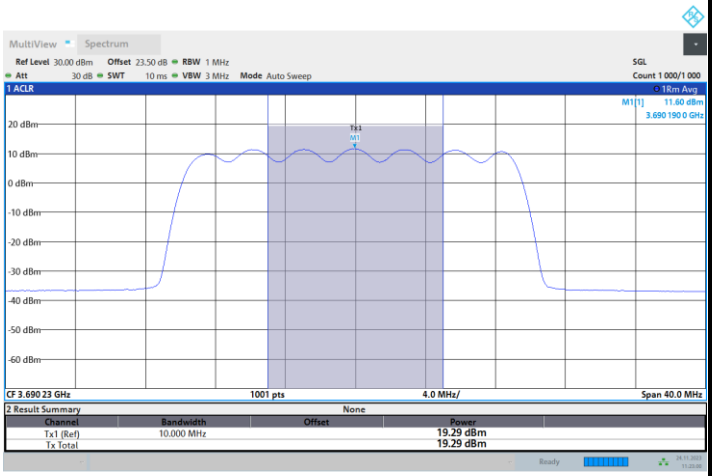

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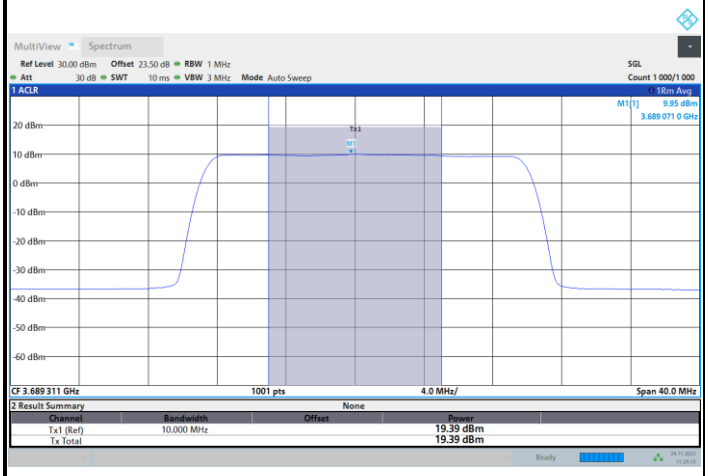

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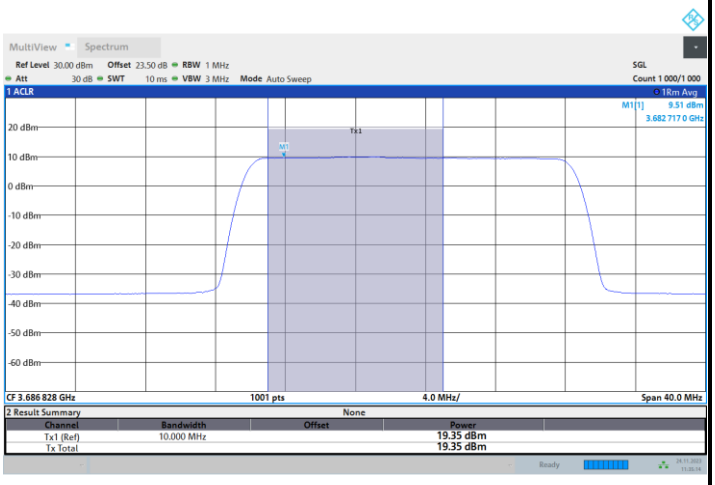
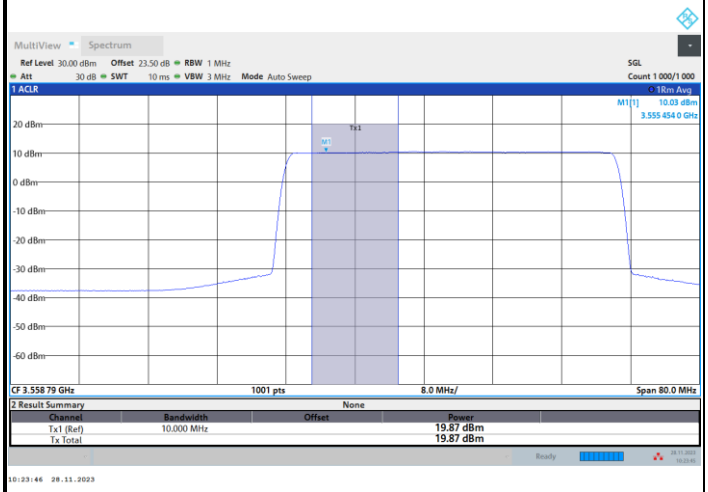


FR1 n48 / 40MHz / Lowest Channel / Conducted (dBm/10MHz)

QPSK



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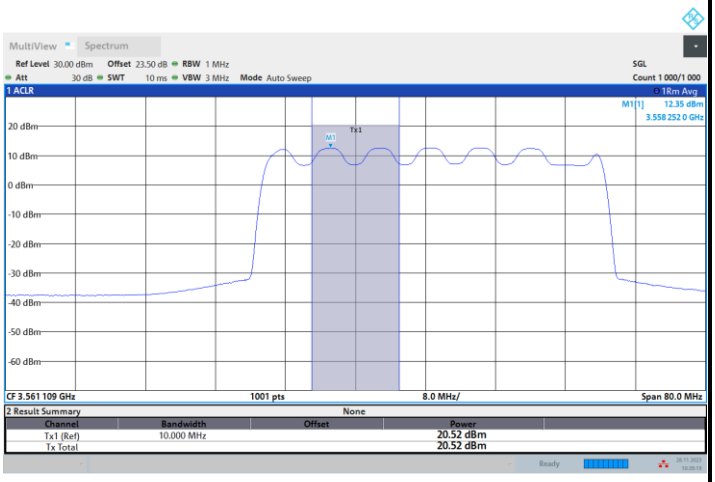

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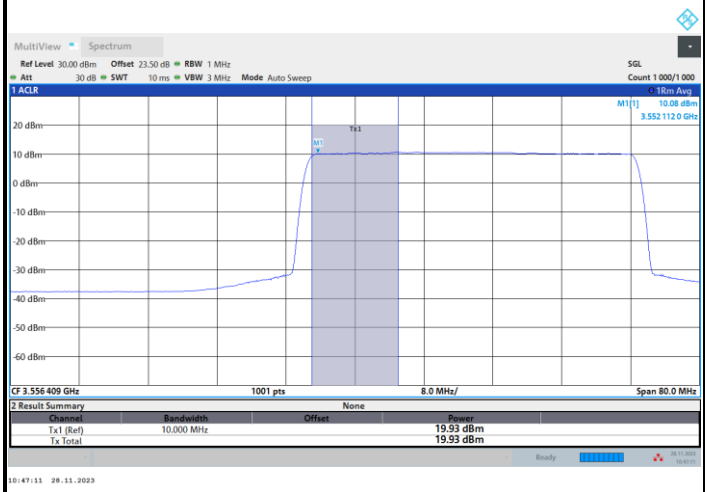

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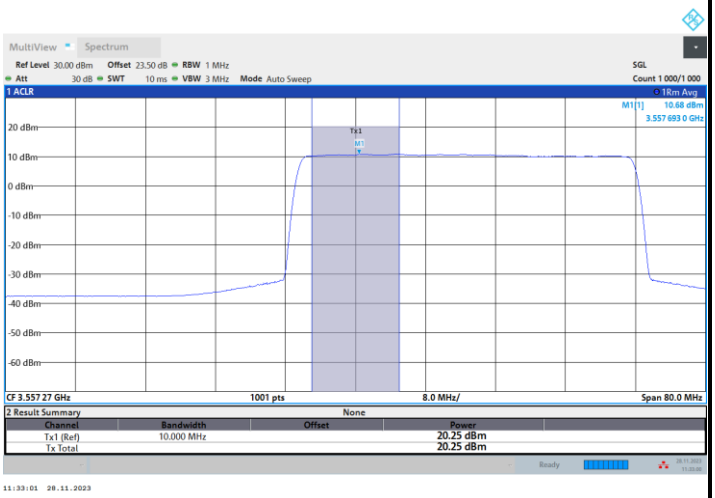
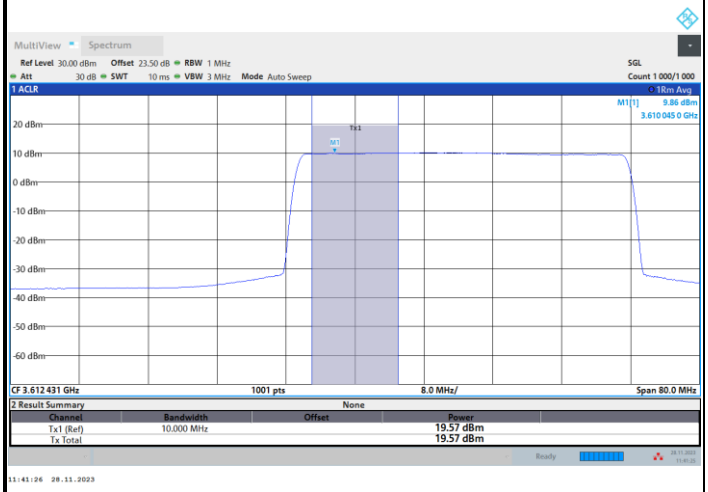


FR1 n48 / 40MHz / Middle Channel / Conducted (dBm/10MHz)

QPSK



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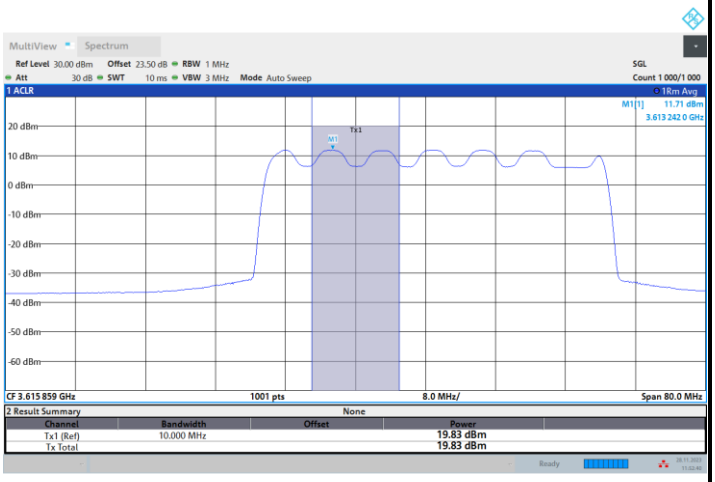

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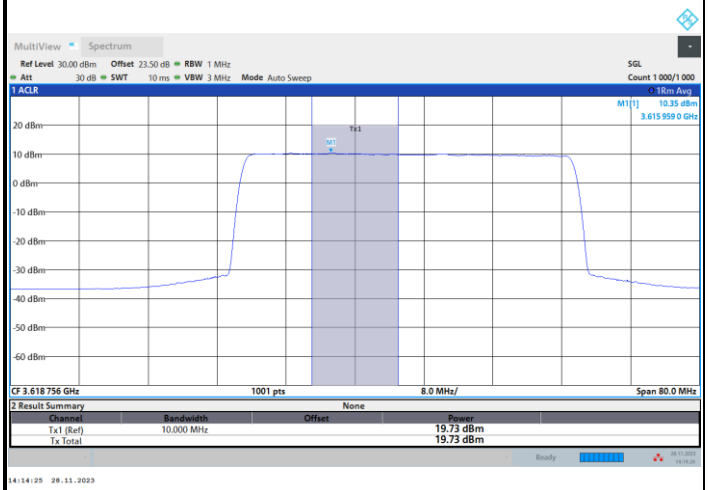

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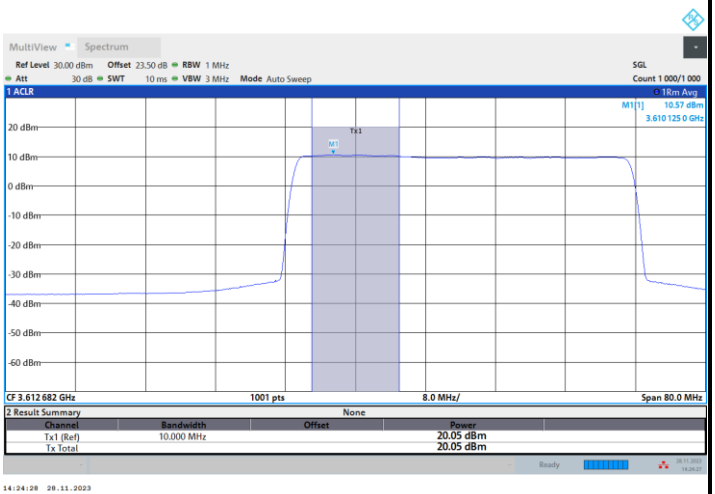
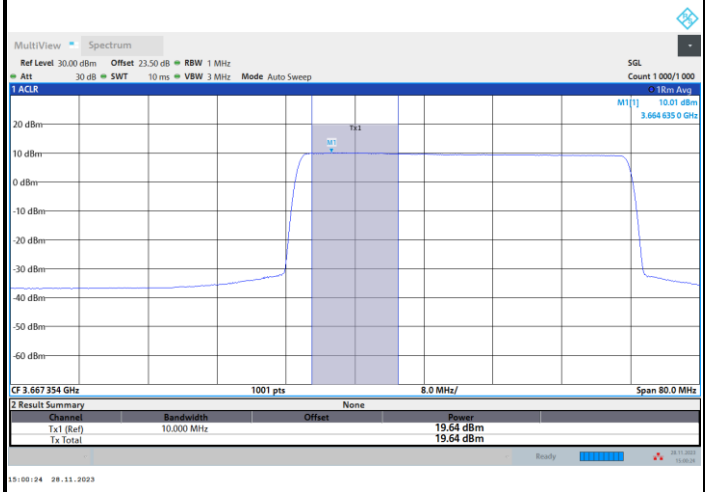
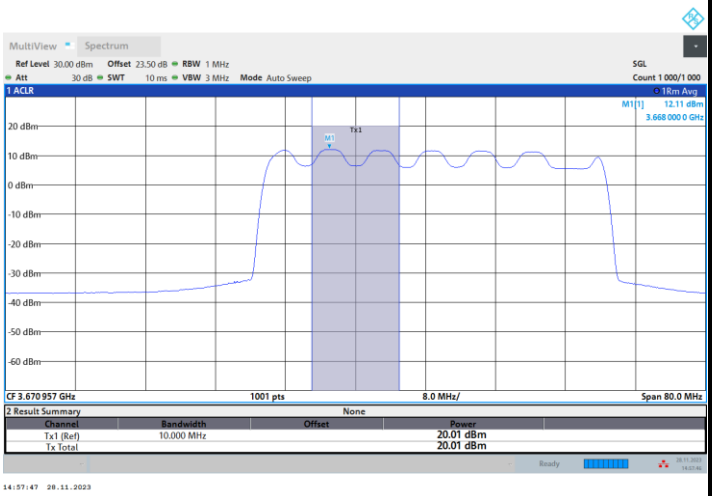


FR1 n48 / 40MHz / Highest Channel / Conducted (dBm/10MHz)

QPSK



16QAM



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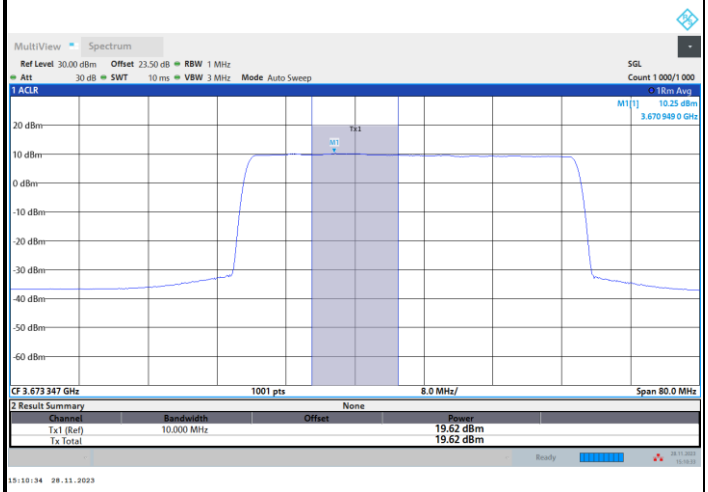

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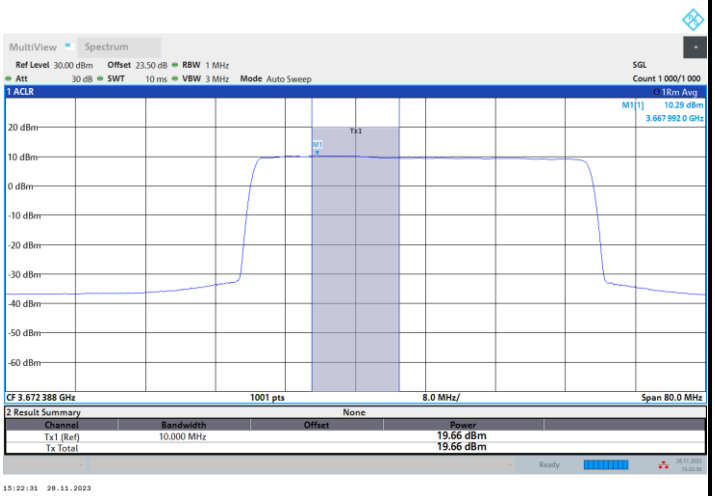


Power Spectral Density

Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Lowest Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Lowest CH	11.91	12.79	11.13	12.80	10.62	12.74		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Lowest CH	11.89	11.84	10.95	10.92	10.61	10.89		

Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Lowest Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Lowest CH	35.43	36.31	34.65	36.32	34.14	36.26		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Lowest CH	35.41	35.36	34.47	34.44	34.13	34.41		
Limit	37dBm/MHz							
Result	PASS							

Note

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

Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Middle Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	11.40	12.38	10.34	11.85	10.05	11.82		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	11.84	11.71	10.27	10.21	10.23	10.30		

Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Middle Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	35.43	36.31	34.65	36.32	34.14	36.26		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	35.41	35.36	34.47	34.44	34.13	34.41		
Limit	37dBm/MHz							
Result	PASS							

Note

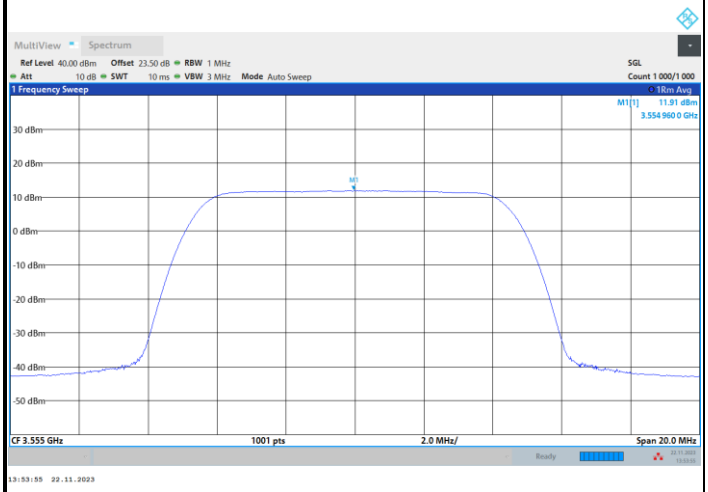
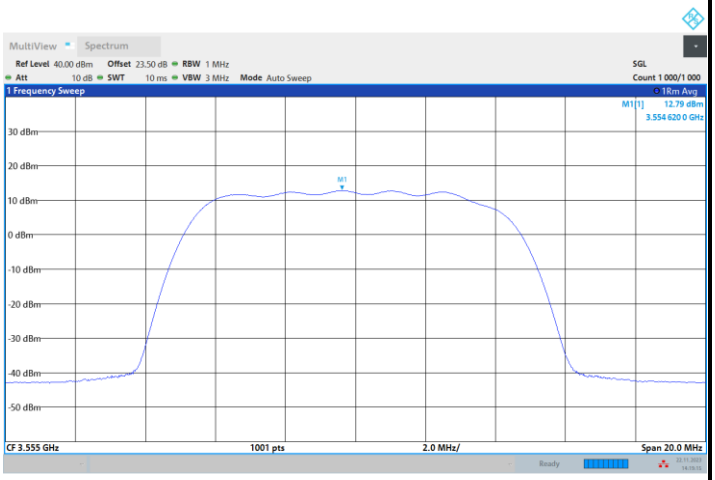
1. The measured conducted PSD result has included duty cycle offset factor.
2. The EIRP PSD = conducted PSD result + 6.02dB (4TX) + 17.5dBi MIMO antenna gain.

Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Highest Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Highest CH	11.09	12.16	9.86	11.54	9.85	11.95		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Highest CH	11.31	11.25	9.96	9.92	10.00	10.06		

Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Highest Channel							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Highest CH	34.61	35.68	33.38	35.06	33.37	35.47		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Highest CH	34.83	34.77	33.48	33.44	33.52	33.58		
Limit	37dBm/MHz							
Result	PASS							

Note

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

FR1 n48 / 10MHz / Lowest Channel / PSD	
QPSK	16QAM
	
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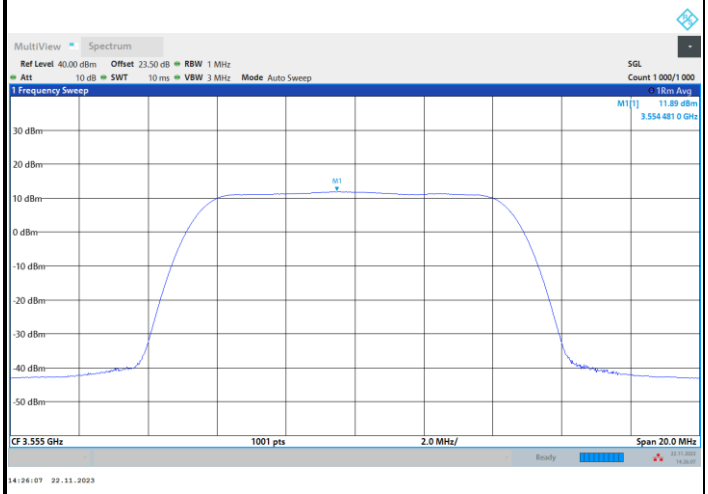
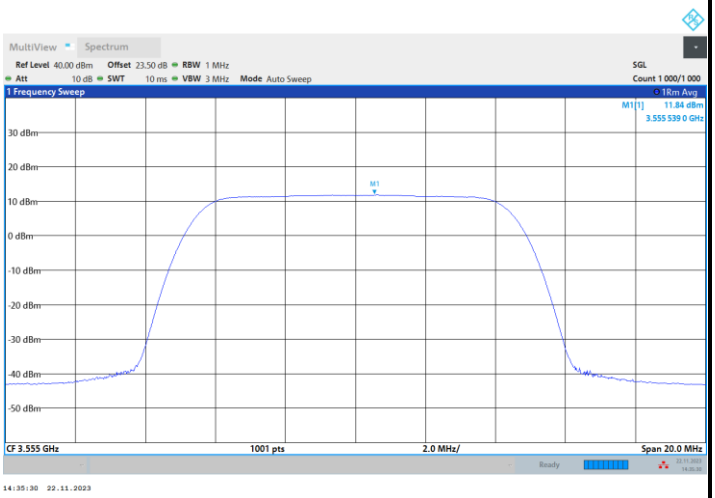
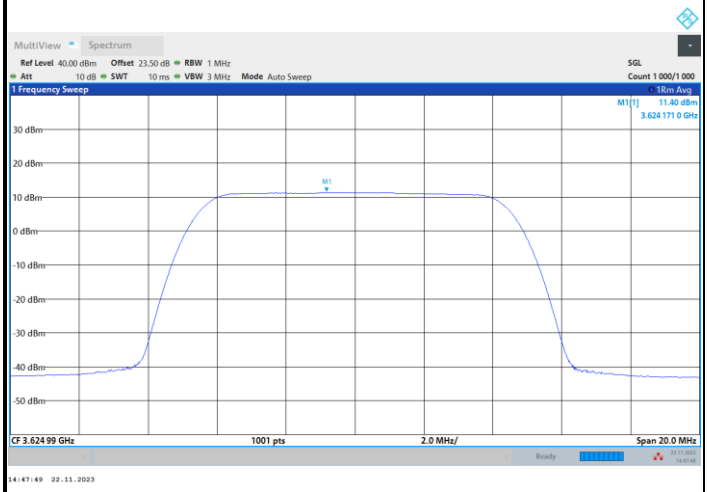
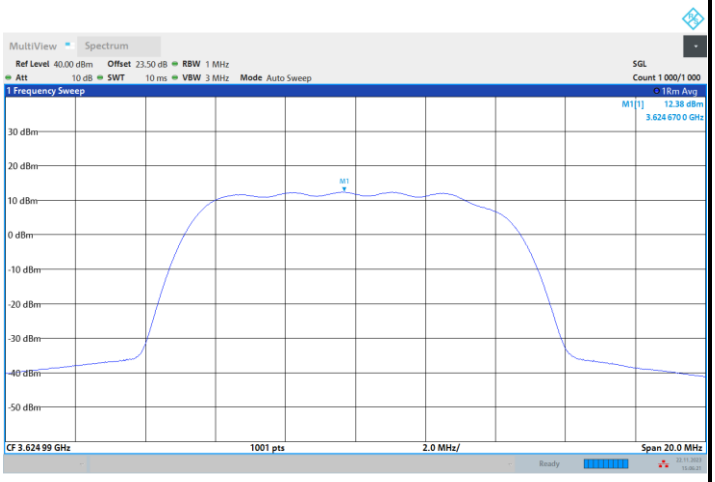
	

FR1 n48 / 10MHz / Middle Channel / PSD	
QPSK	16QAM
	
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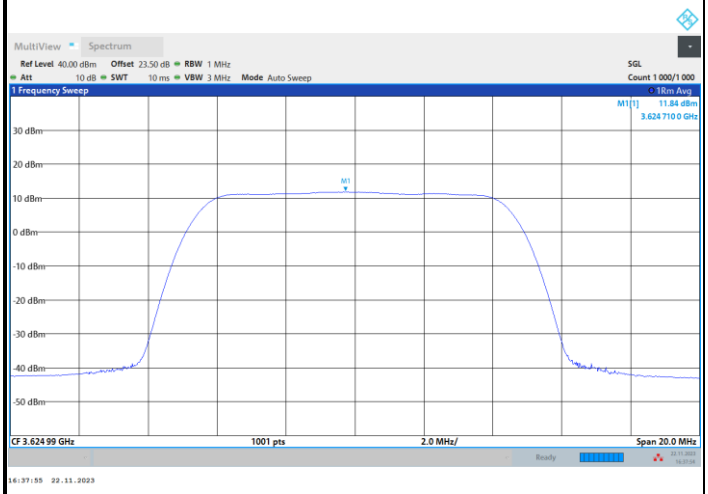
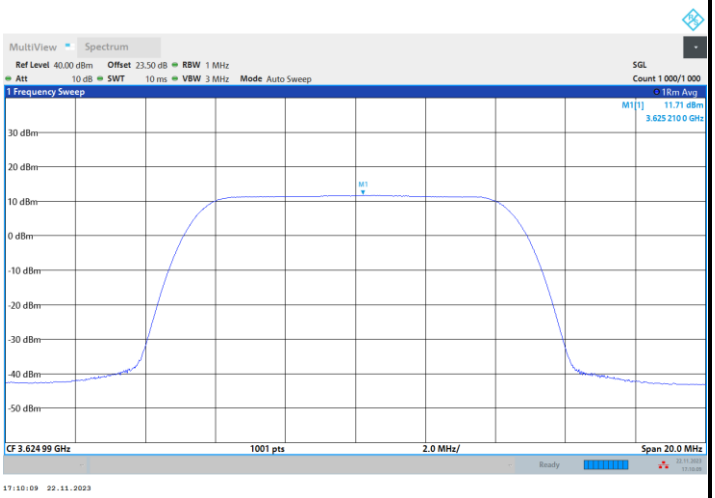
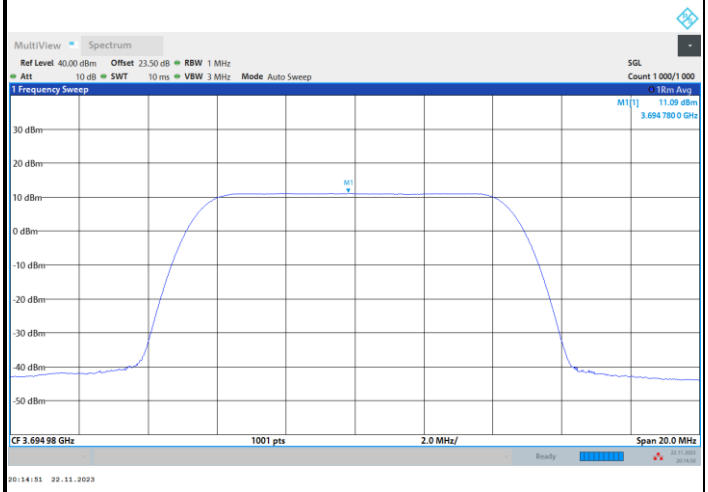
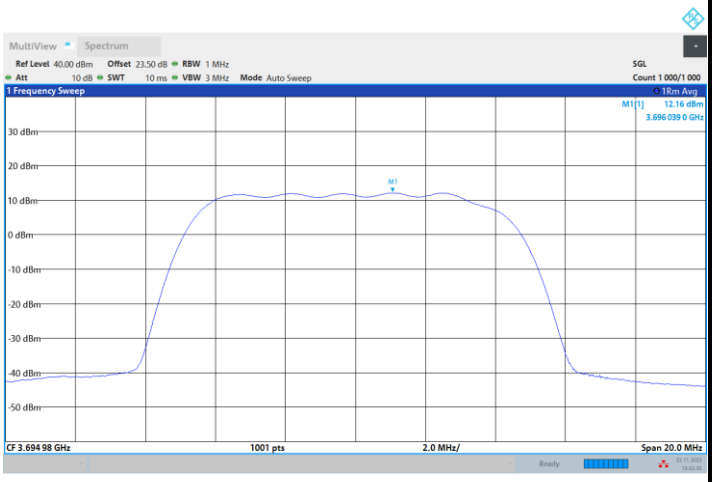
	

FR1 n48 / 10MHz / Highest Channel / PSD	
QPSK	16QAM
	
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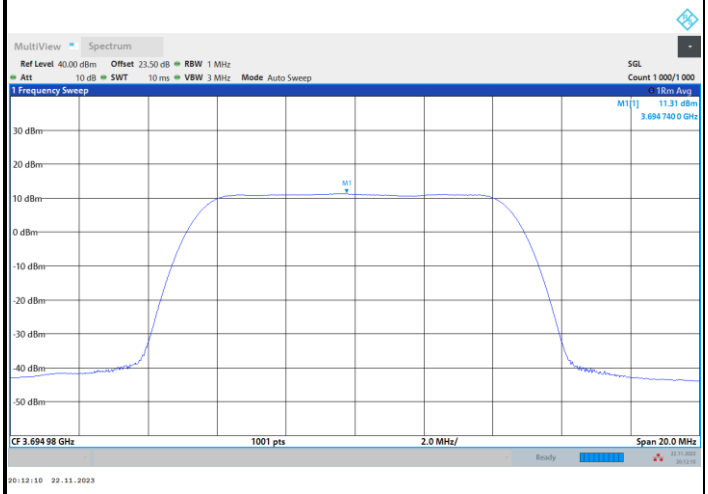
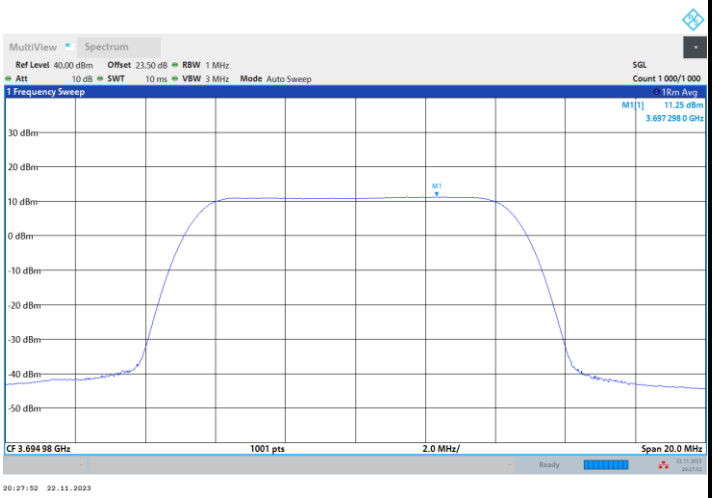
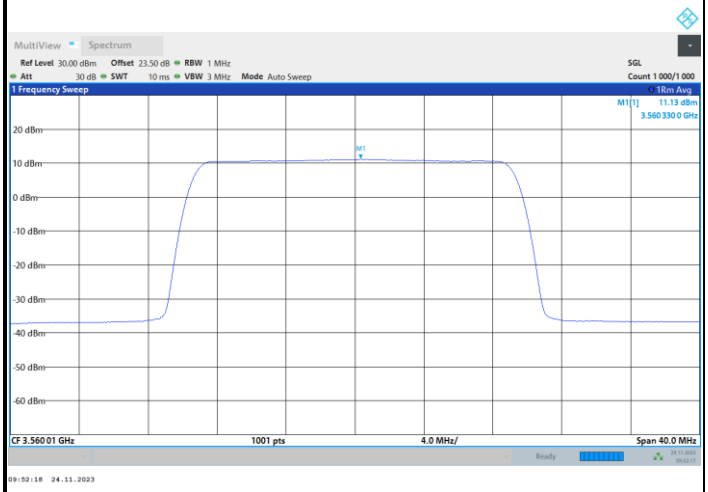
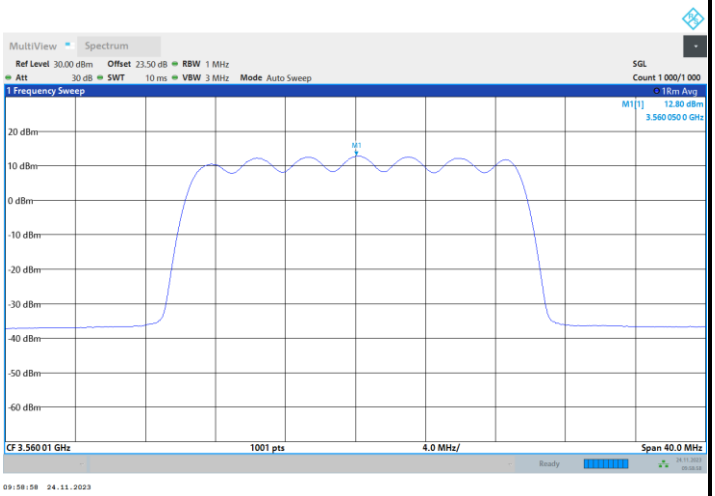
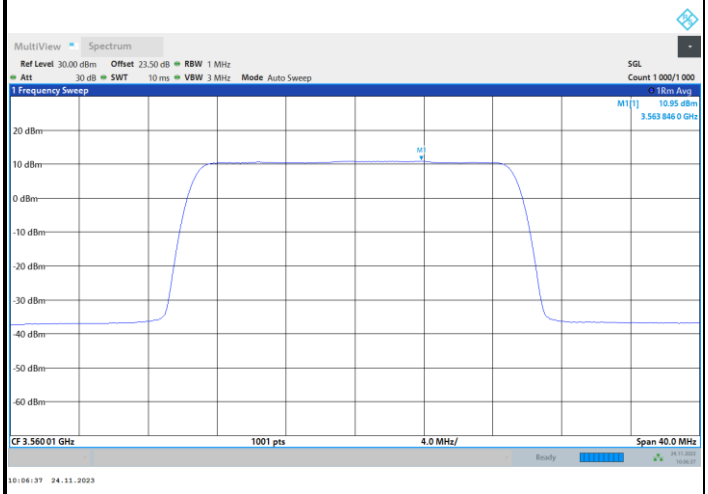
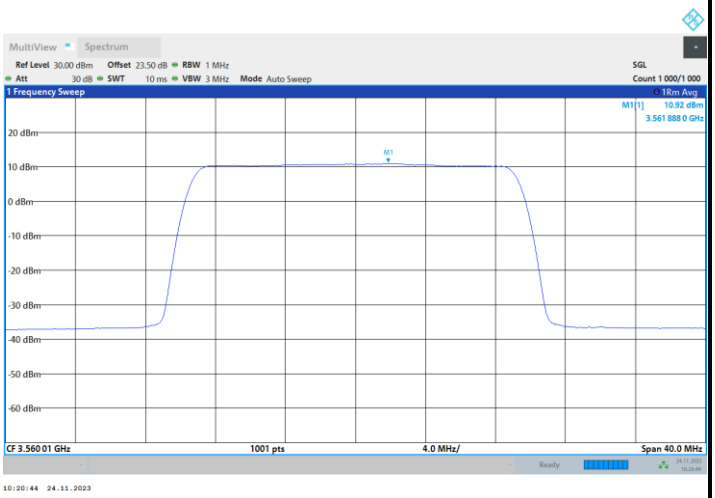
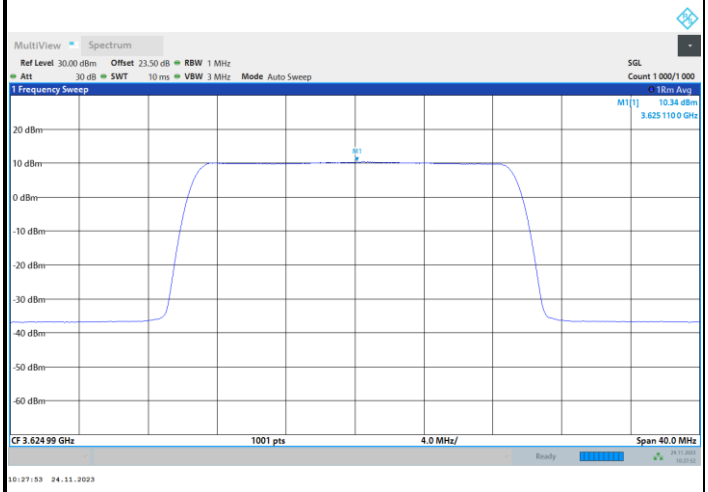
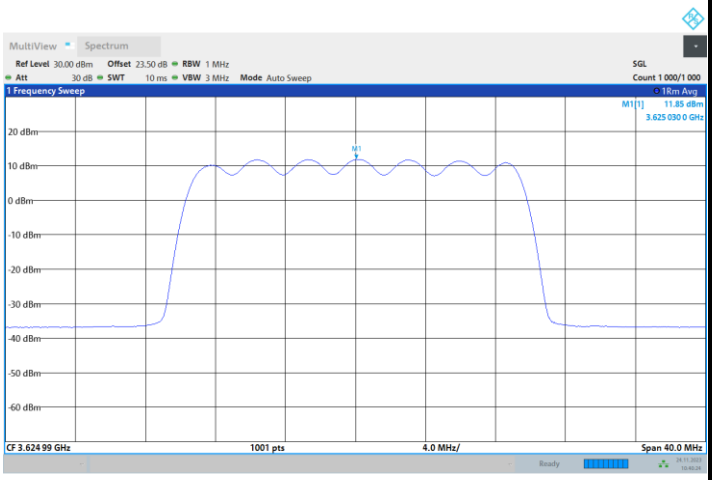
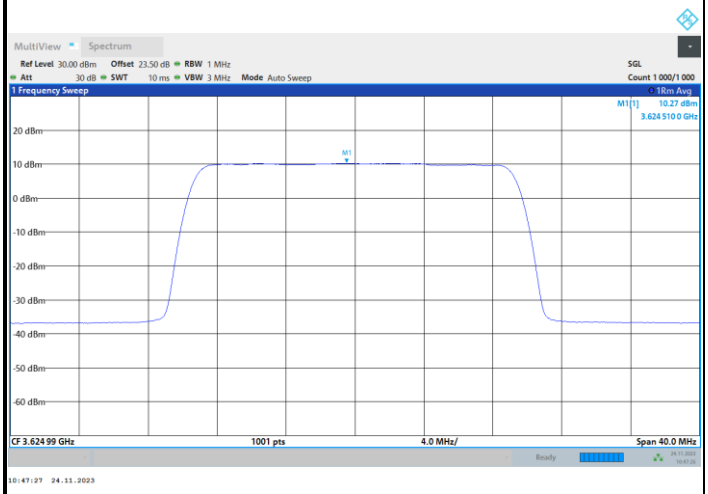
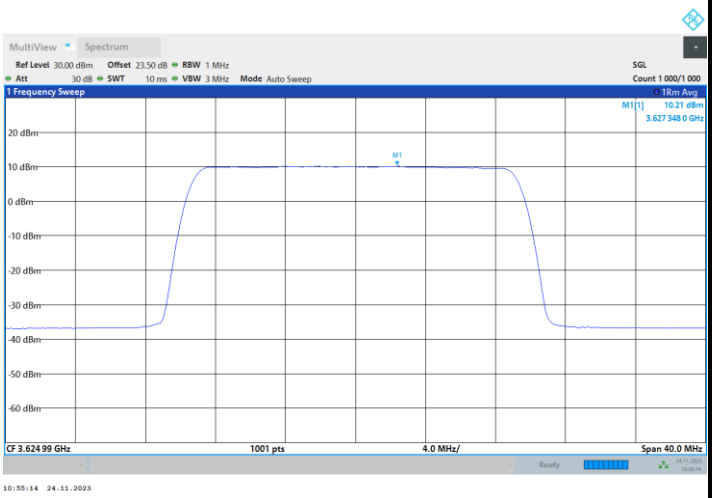
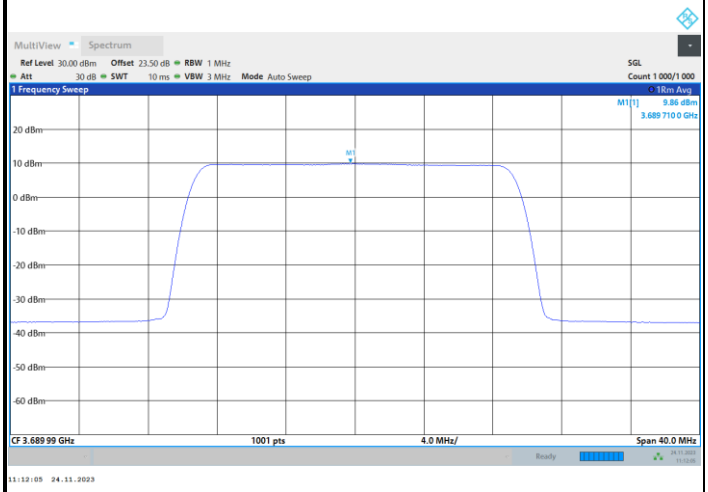
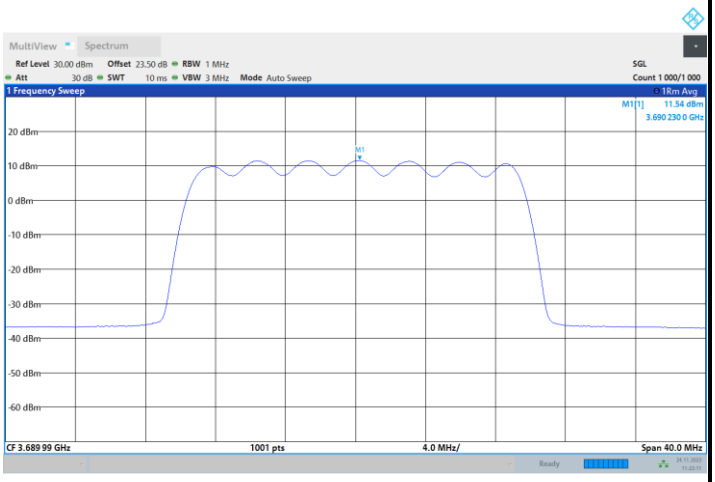
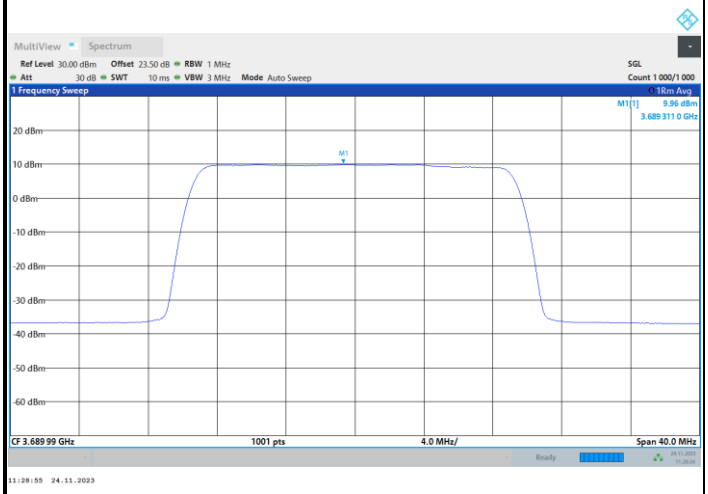
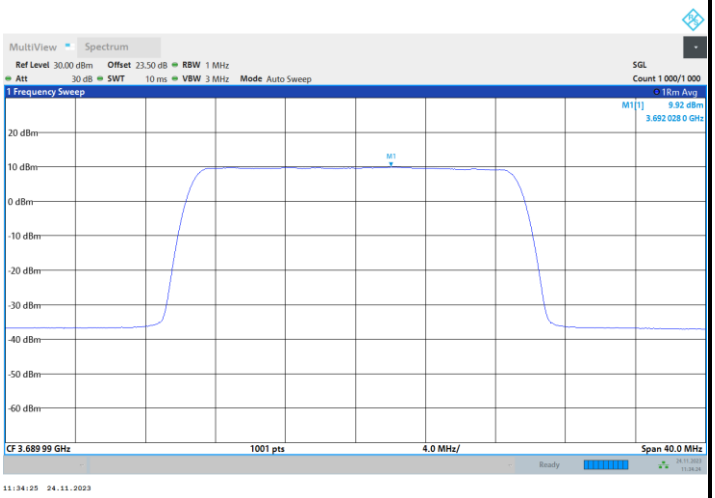
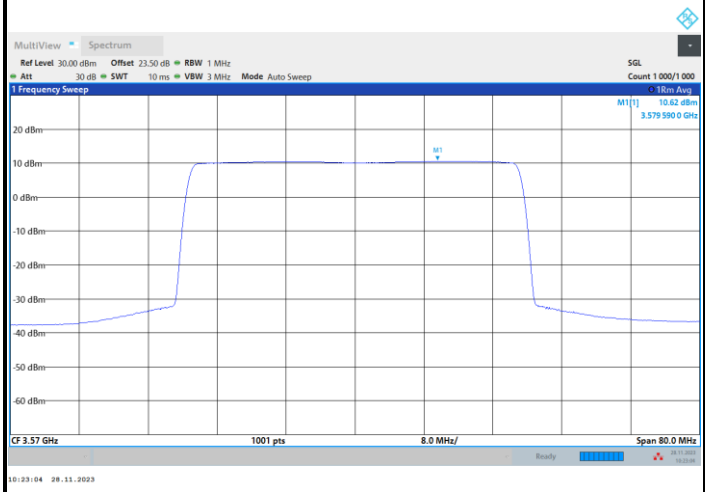
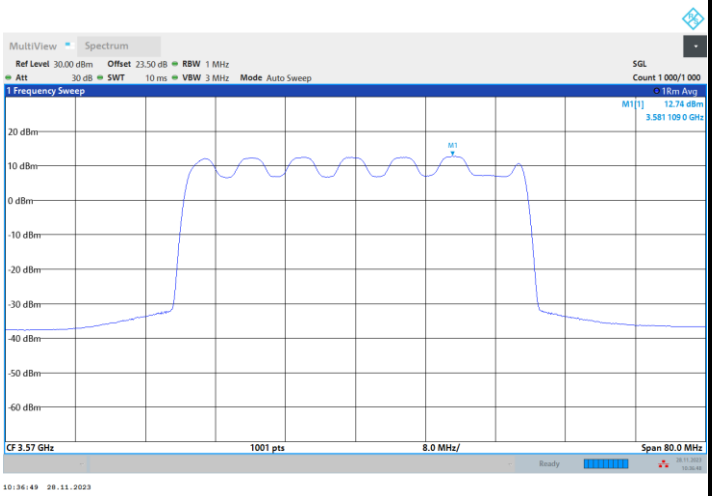
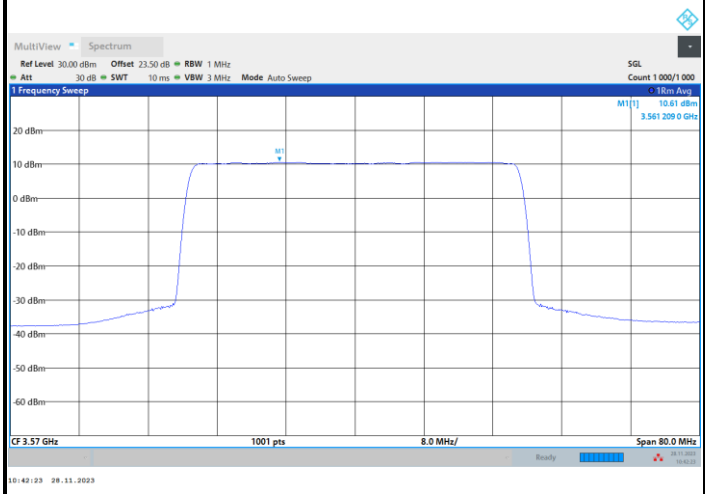
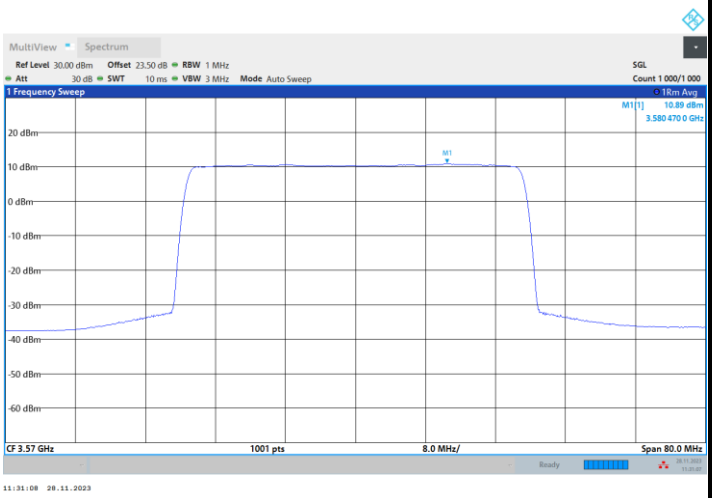
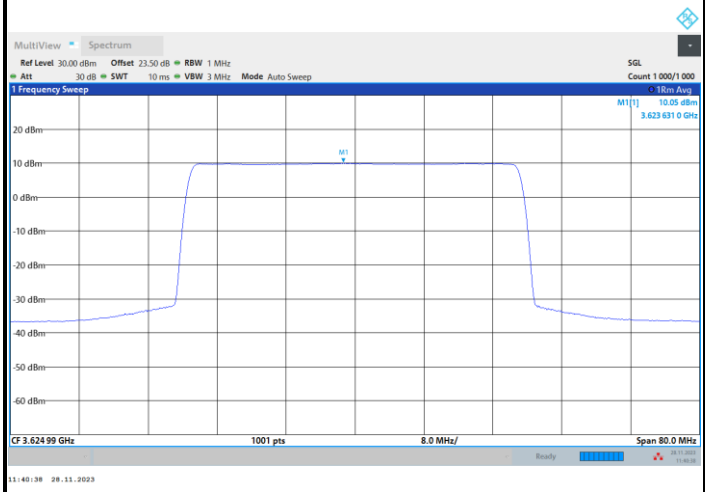
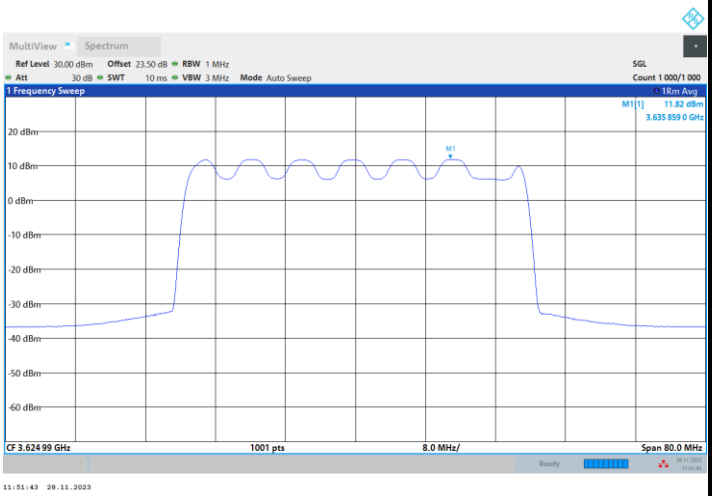
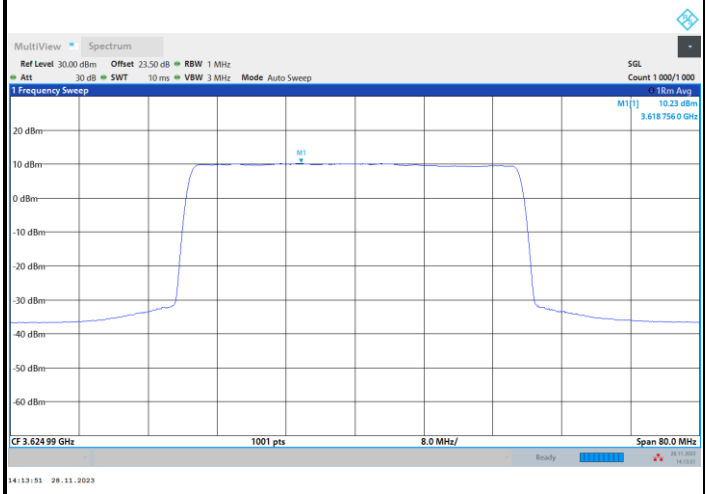
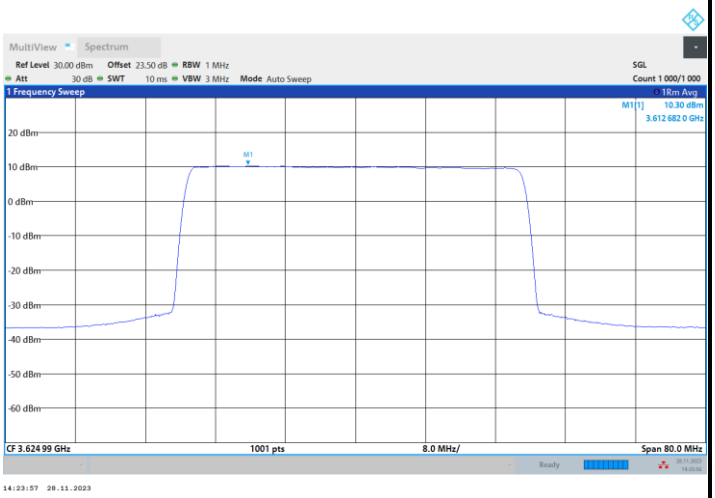
	

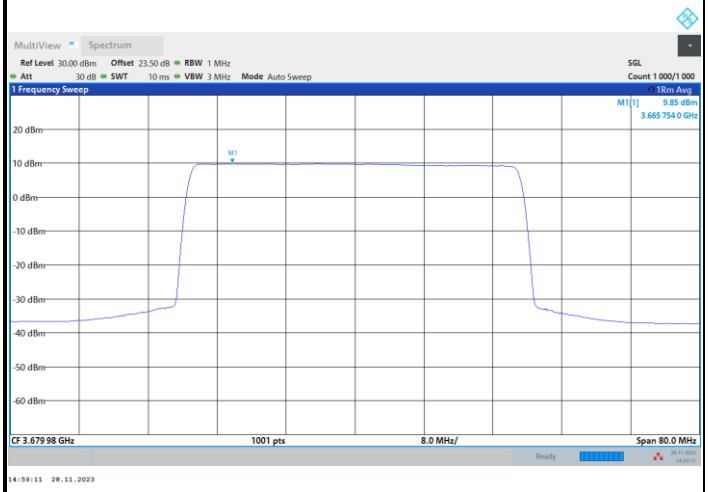
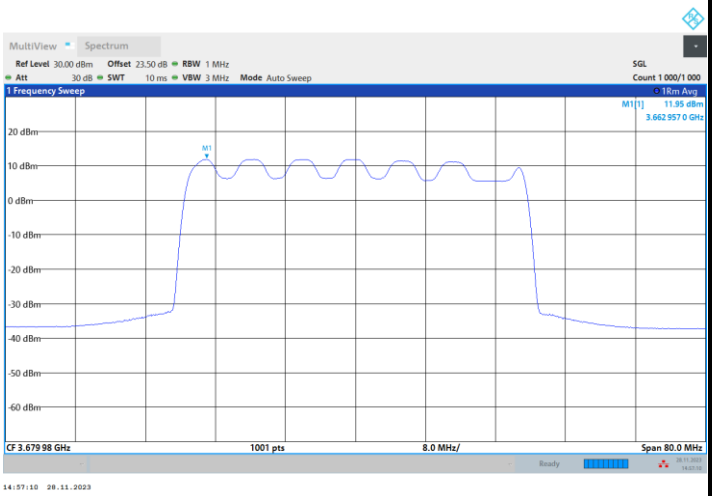
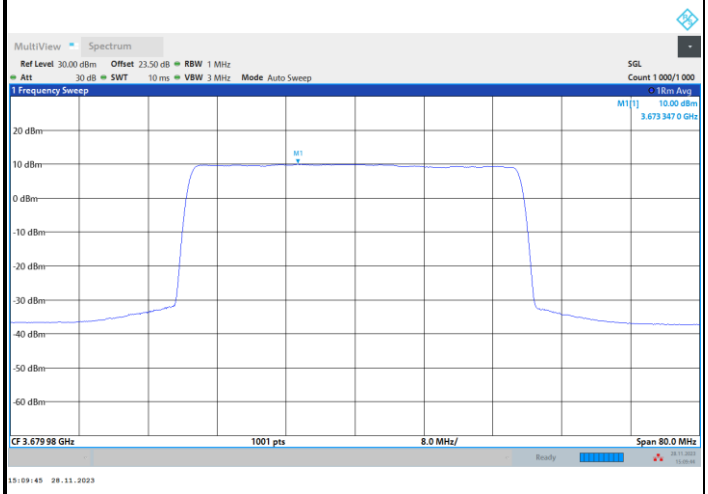
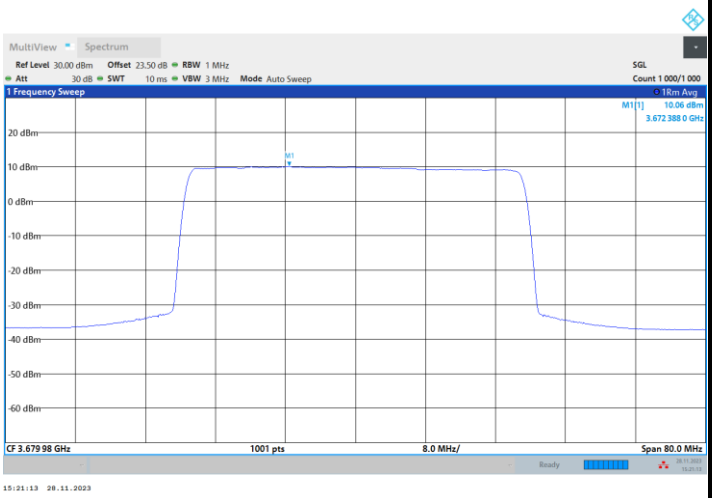
FR1 n48 / 20MHz / Lowest Channel / PSD	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n48 / 20MHz / Middle Channel / PSD	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n48 / 20MHz / Highest Channel / PSD	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n48 / 40MHz / Lowest Channel / PSD	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n48 / 40MHz / Middle Channel / PSD	
QPSK	16QAM
	
64QAM	256QAM
	

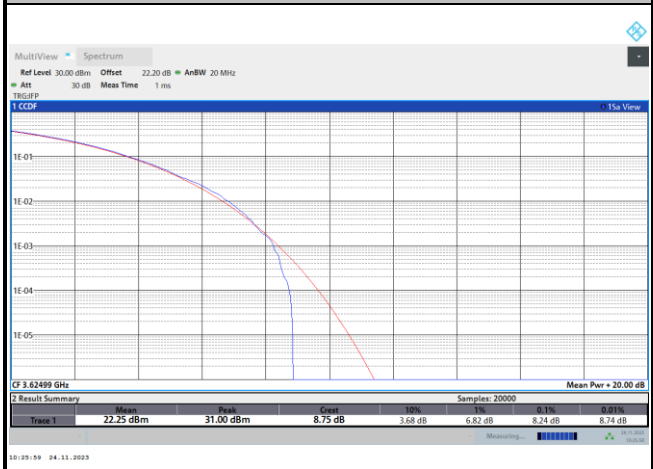
FR1 n48 / 40MHz / Highest Channel / PSD	
QPSK	16QAM
	
64QAM	256QAM
	

Peak-to-Average Ratio

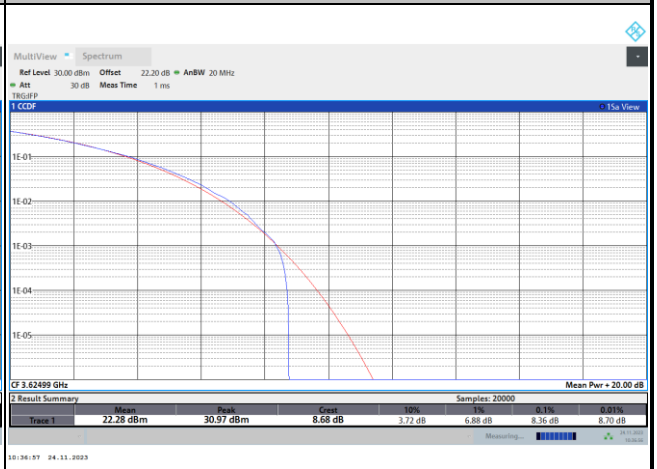
Mode	FR1 n48 / 20MHz / PAR (dB)				Limit: 13dB
Mod.	QPSK	16QAM	64QAM	256QAM	Result
Middle CH	8.24	8.36	8.32	9.76	PASS

FR1 n48 / 20MHz / Middle Channel / PAR

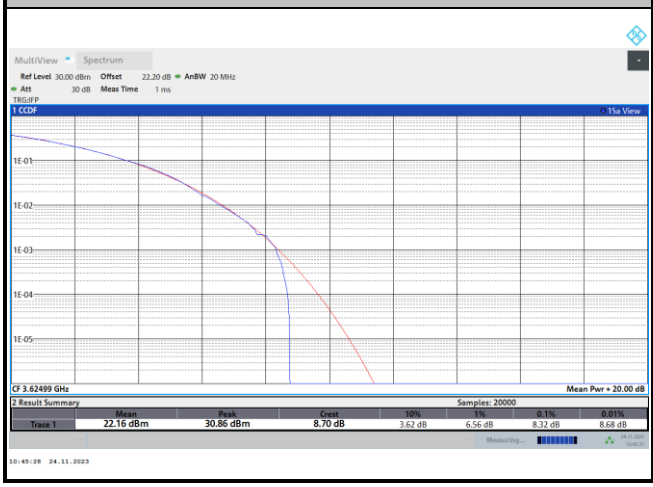
QPSK



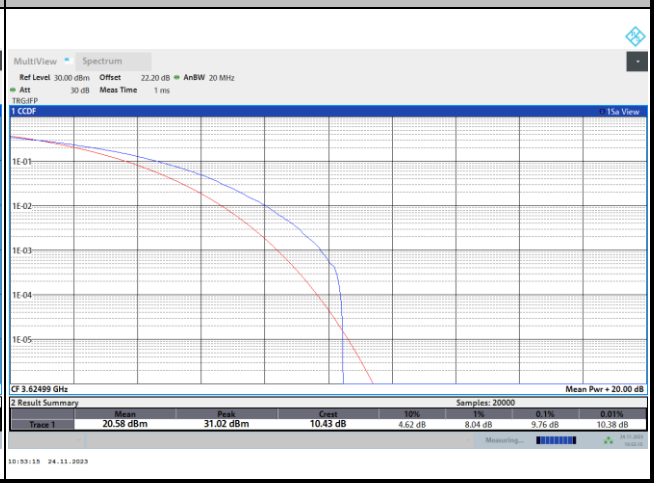
16QAM



64QAM



256QAM

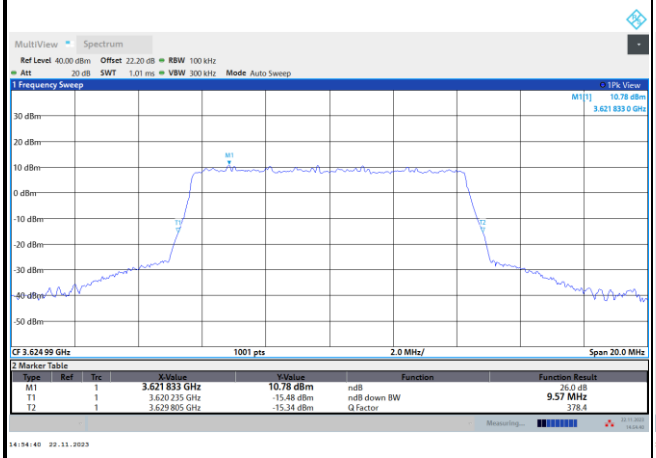


26dB Bandwidth

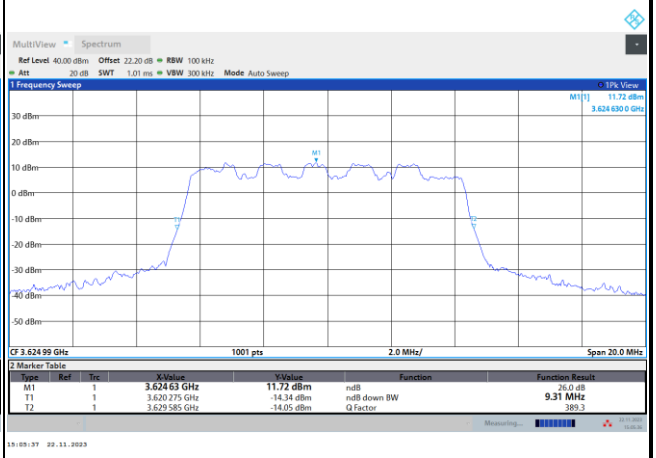
Mode	FR1 n48 : 26dB BW(MHz)							
BW	10MHz		20MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	9.57	9.31	19.54	19.46	40.76	40.44		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	9.41	9.41	19.58	19.54	40.52	40.52		

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

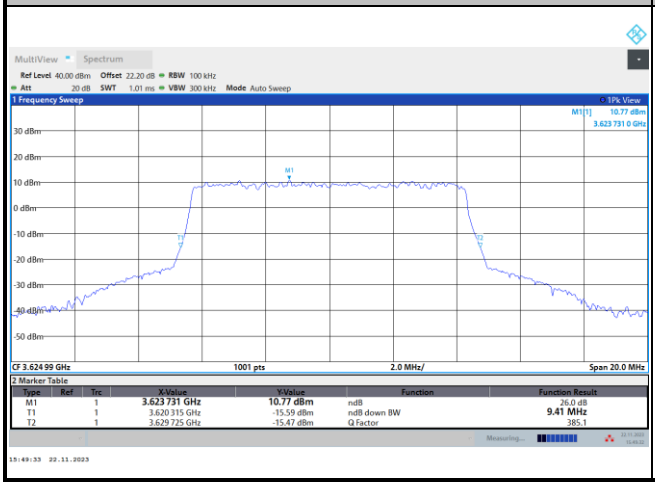
QPSK



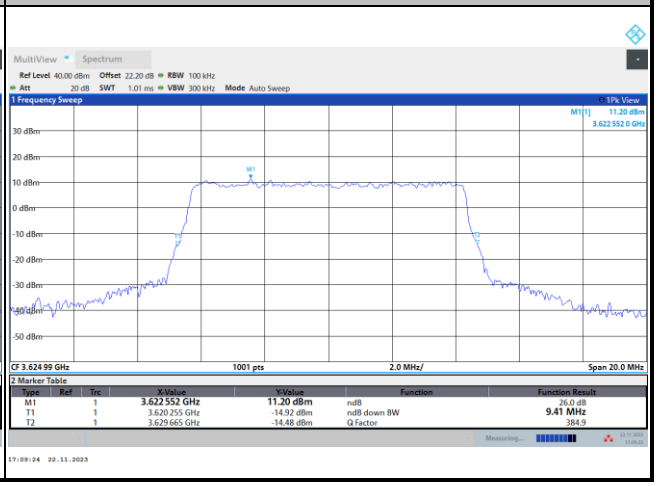
16QAM



64QAM

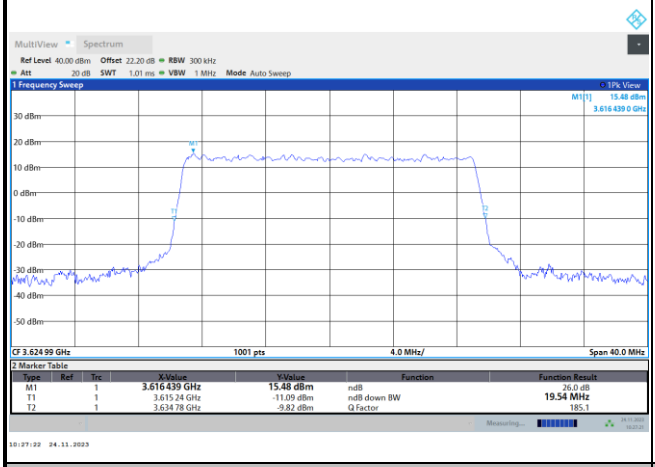


256QAM

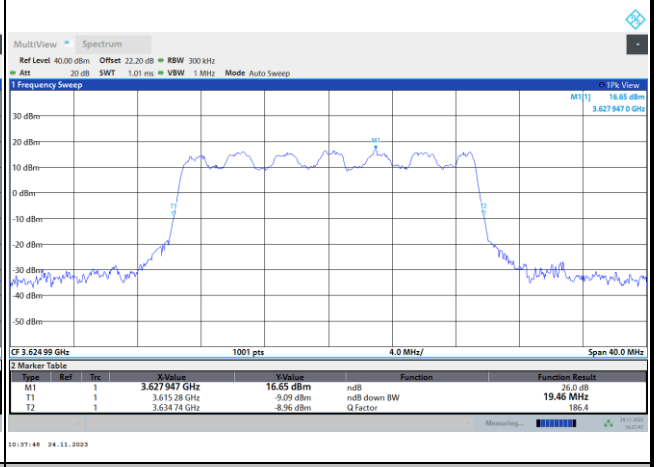


FR1 n48 / 20MHz / Middle Channel / 26dB BW

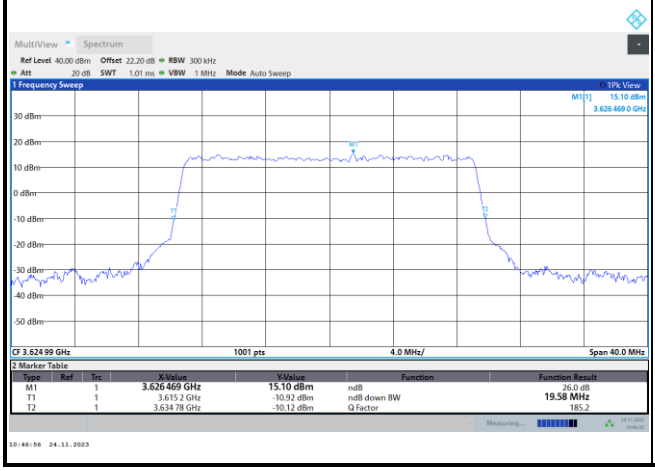
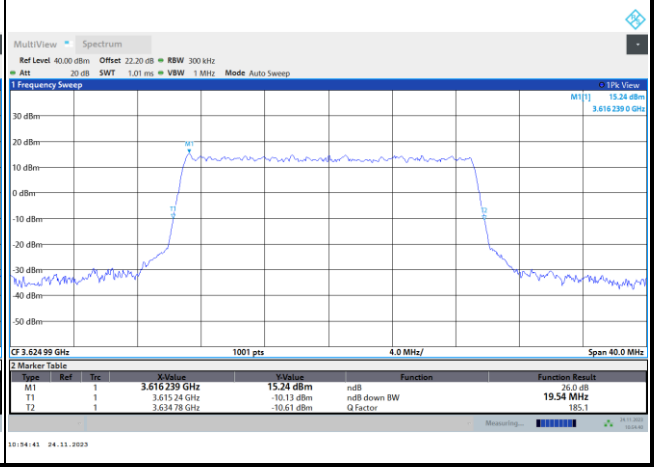
QPSK



16QAM



64QAM



256QAM