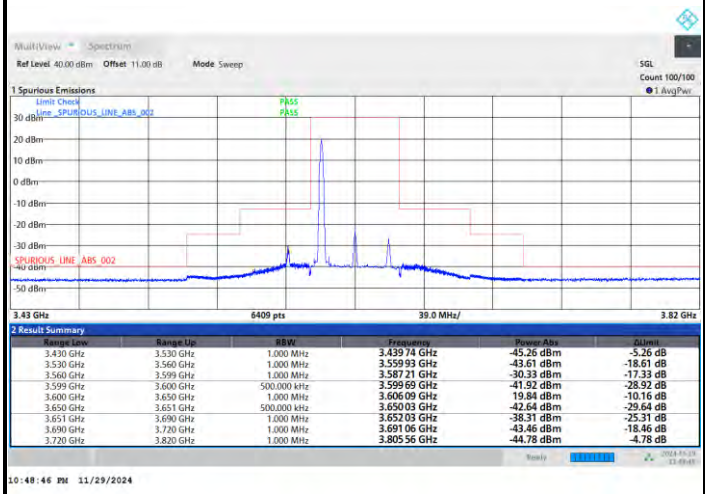
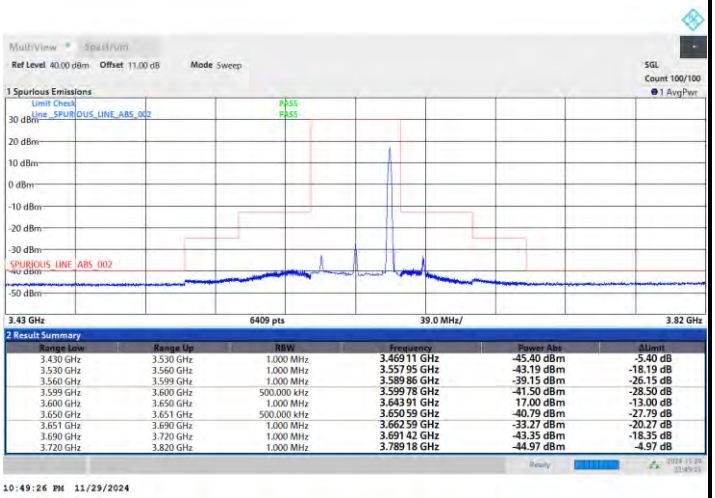
FR1 n48 / 40MHz / DFT-S OFDM / 16QAM

Middle Channel

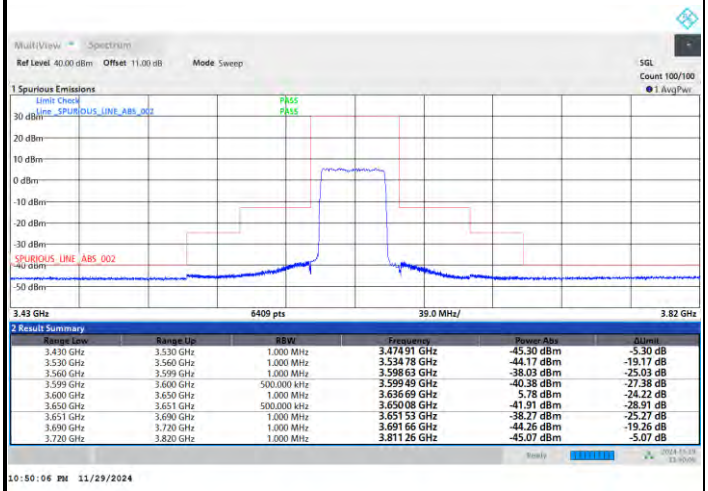
1RB0



1RBmax



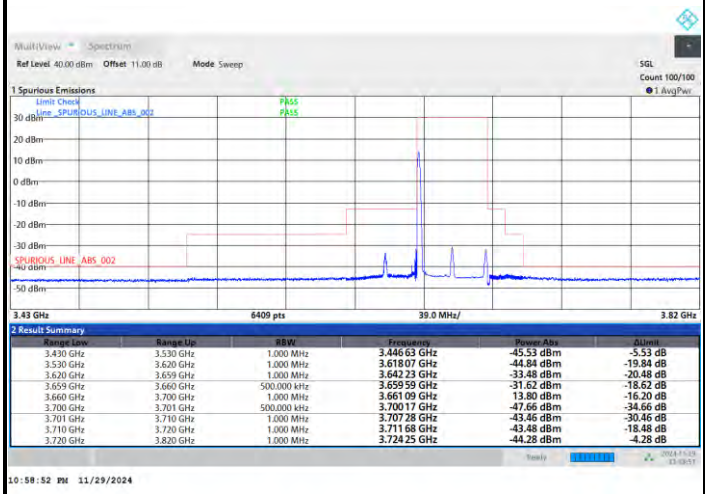
Full RB



FR1 n48 / 40MHz / DFT-S OFDM / 16QAM

Highest Channel

1RB0



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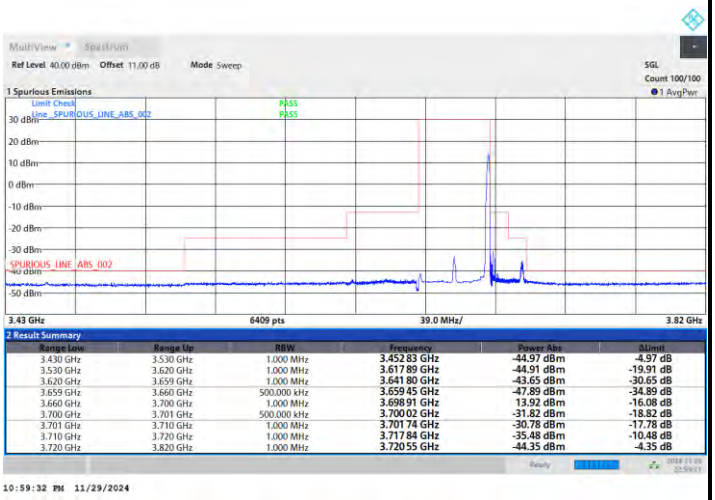
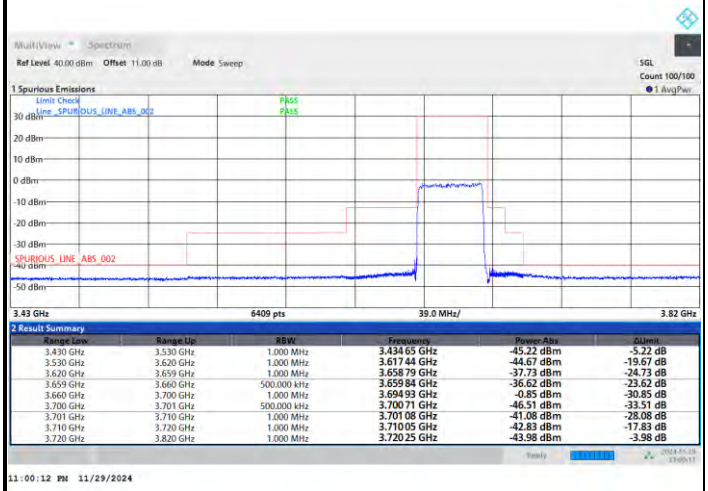


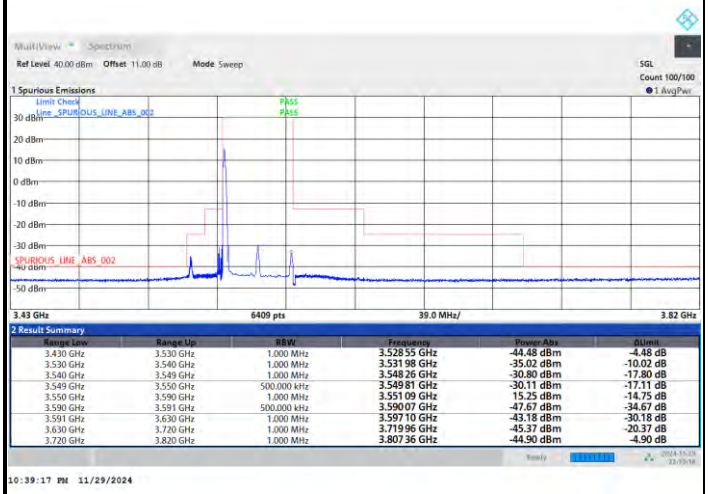
Full RB



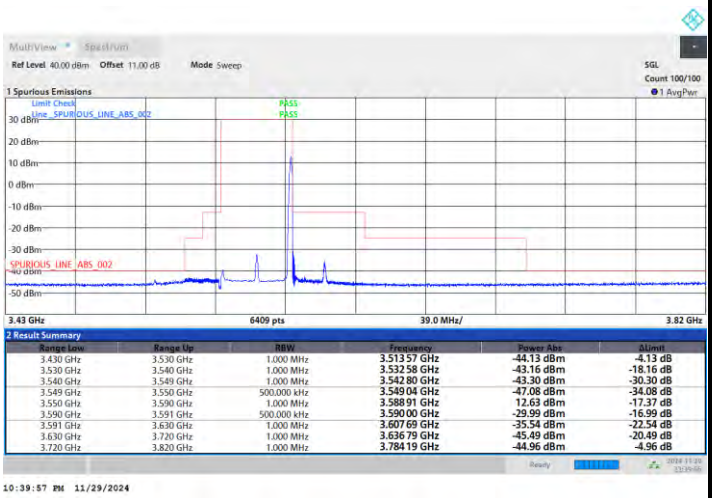
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM

Lowest Channel

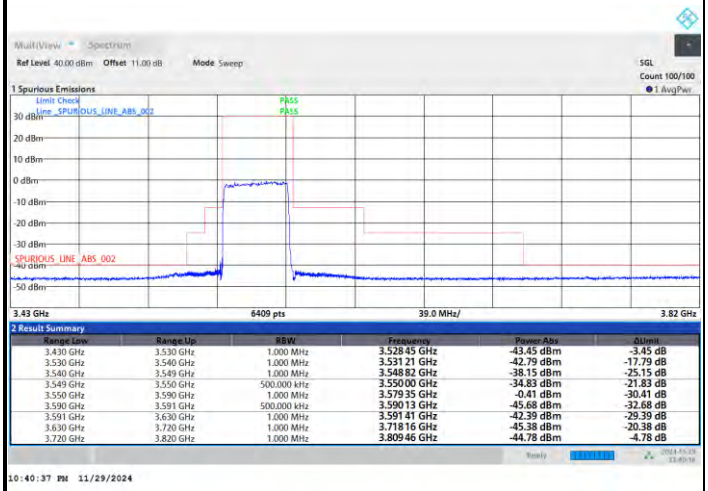
1RB0



1RBmax



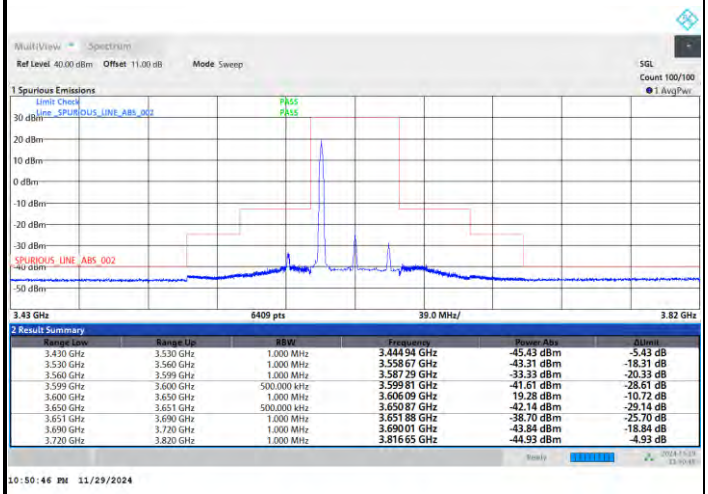
Full RB



FR1 n48 / 40MHz / DFT-S OFDM / 64QAM

Middle Channel

1RB0



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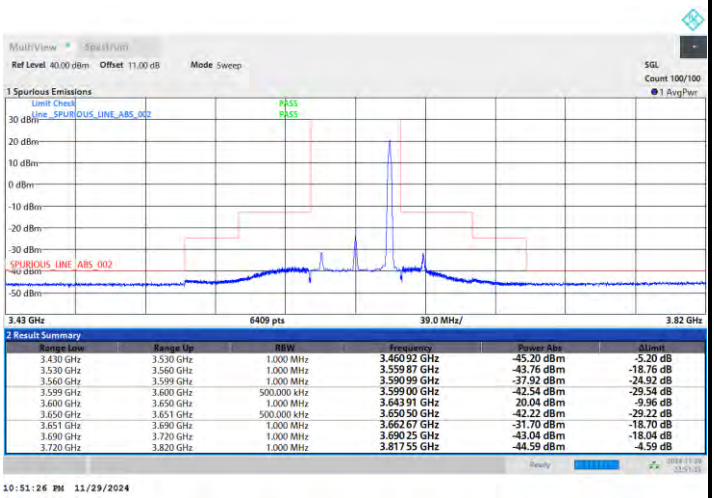
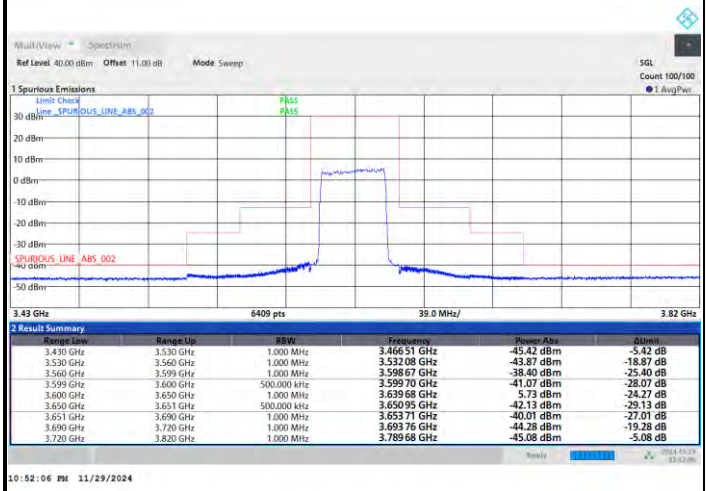


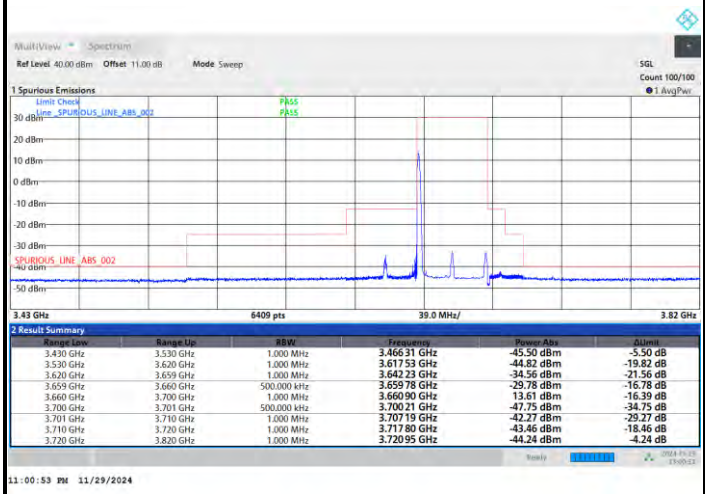
Full RB



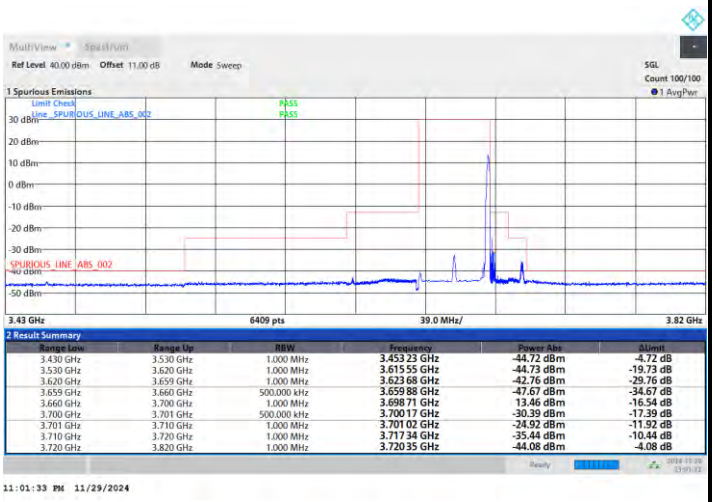
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM

Highest Channel

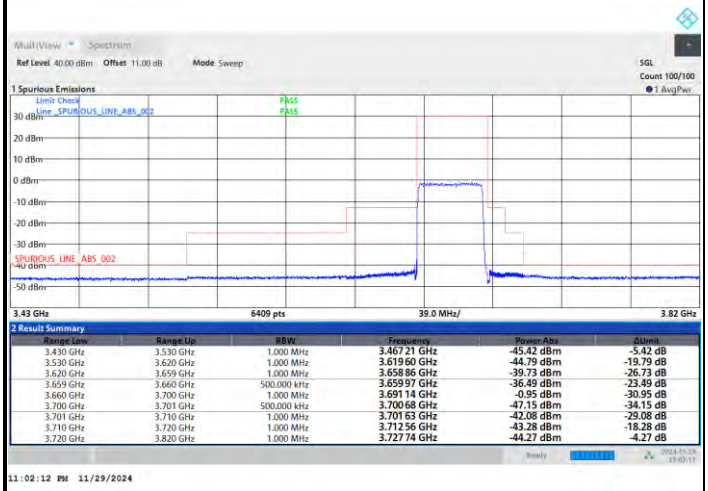
1RB0



1RBmax



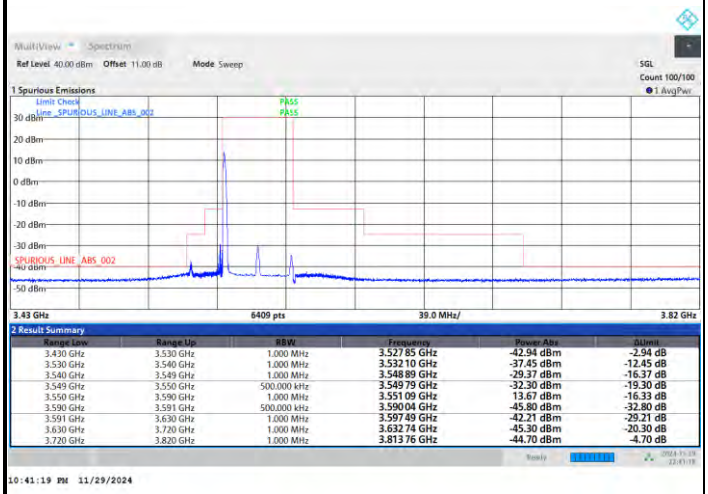
Full RB



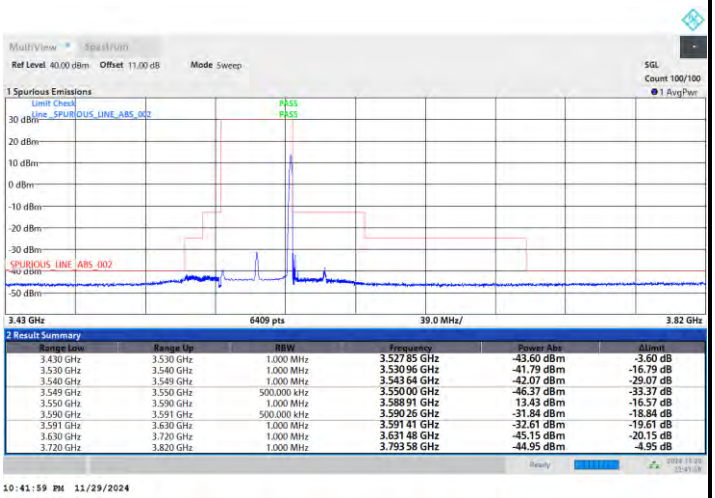
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM

Lowest Channel

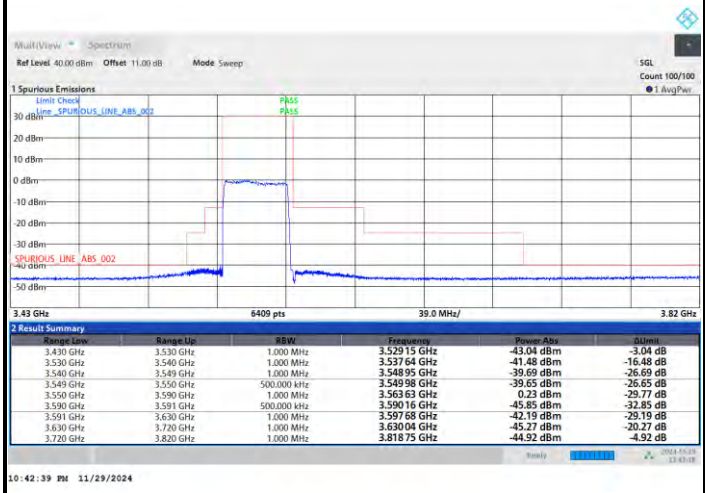
1RB0



1RBmax



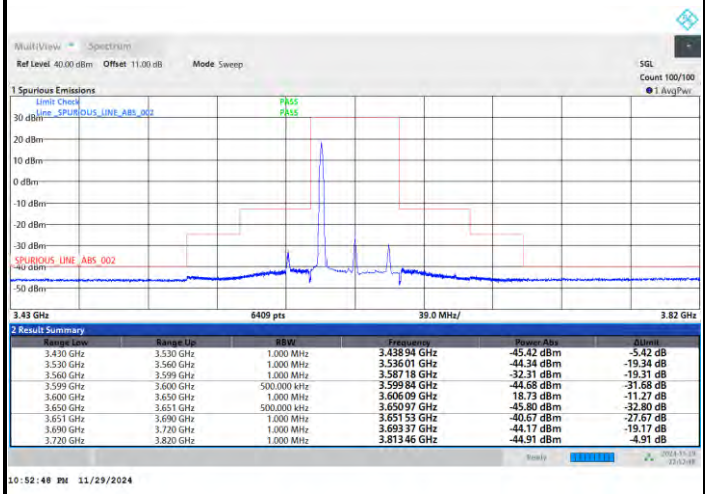
Full RB



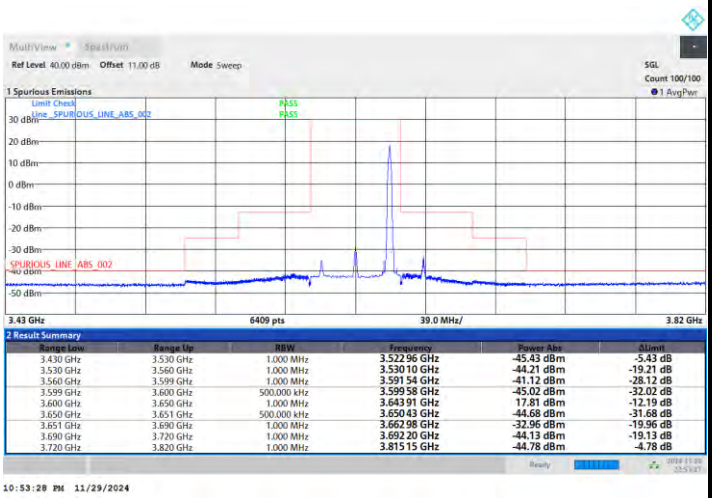
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM

Middle Channel

1RB0



1RBmax

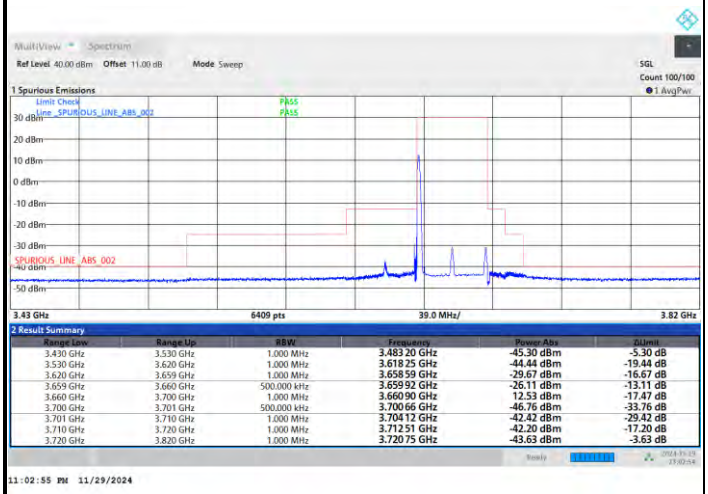


Full RB

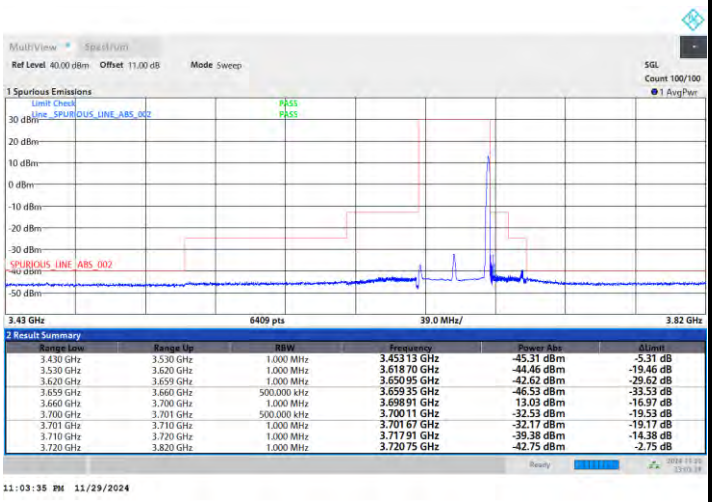
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM

Highest Channel

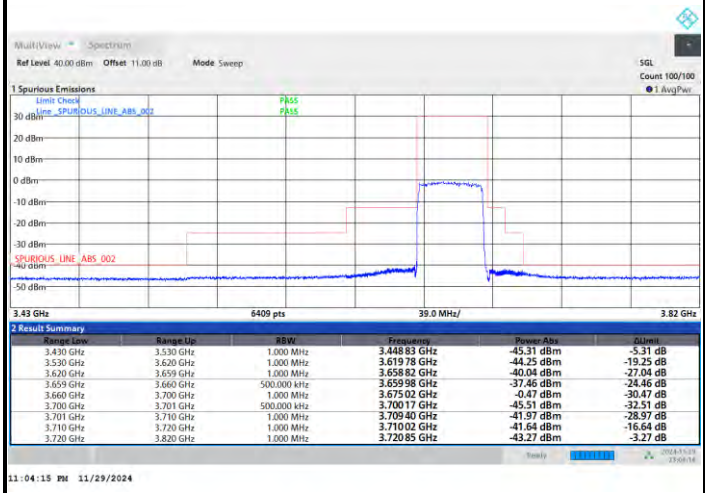
1RB0



1RBmax

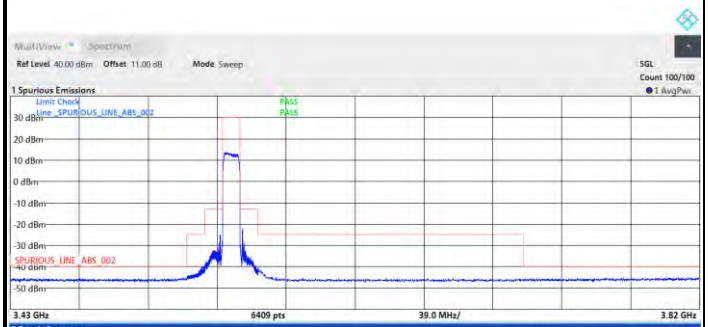


Full RB



FR1 n48 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.529 95 GHz	-44.97 dBm	-4.97 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 95 GHz	-39.56 dBm	-14.56 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 95 GHz	-25.08 dBm	-12.08 dB
3.549 GHz	3.550 GHz	100.000 kHz	3.549 88 GHz	-27.91 dBm	-14.91 dB
3.550 GHz	3.560 GHz	1.000 MHz	3.551 52 GHz	13.60 dBm	-16.40 dB
3.560 GHz	3.561 GHz	100.000 kHz	3.560 01 GHz	-27.49 dBm	-14.49 dB
3.561 GHz	3.570 GHz	1.000 MHz	3.561 31 GHz	-21.84 dBm	-8.84 dB
3.570 GHz	3.720 GHz	1.000 MHz	3.570 52 GHz	-40.35 dBm	-15.35 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.813 26 GHz	-44.97 dBm	-4.97 dB

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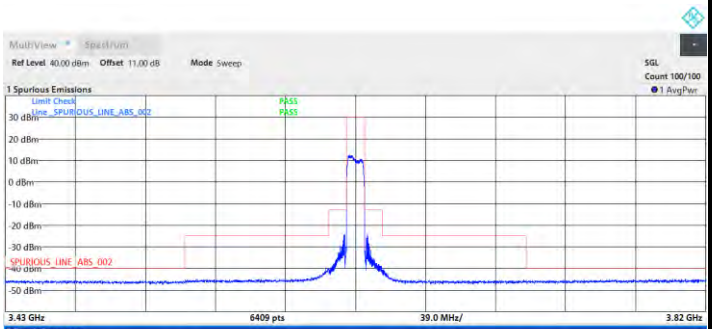
Middle Channel

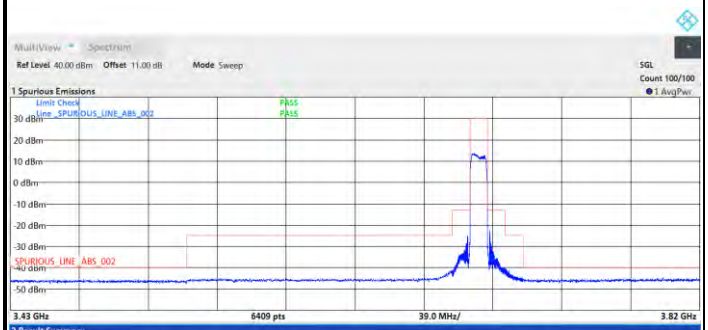


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.445 13 GHz	-45.25 dBm	-5.25 dB
3.530 GHz	3.610 GHz	1.000 MHz	3.608 12 GHz	-39.68 dBm	-14.68 dB
3.610 GHz	3.619 GHz	1.000 MHz	3.618 98 GHz	-24.17 dBm	-11.17 dB
3.619 GHz	3.620 GHz	100.000 kHz	3.620 00 GHz	-28.02 dBm	-15.02 dB
3.620 GHz	3.630 GHz	1.000 MHz	3.621 67 GHz	12.60 dBm	-17.40 dB
3.630 GHz	3.631 GHz	100.000 kHz	3.630 00 GHz	-28.75 dBm	-15.75 dB
3.631 GHz	3.640 GHz	1.000 MHz	3.631 66 GHz	-24.04 dBm	-11.04 dB
3.640 GHz	3.720 GHz	1.000 MHz	3.640 84 GHz	-40.00 dBm	-15.00 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.808 76 GHz	-44.99 dBm	-4.99 dB

08:38:09 PM 11/29/2024

Highest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.501 08 GHz	-45.36 dBm	-5.36 dB
3.530 GHz	3.680 GHz	1.000 MHz	3.679 33 GHz	-41.23 dBm	-16.23 dB
3.680 GHz	3.689 GHz	1.000 MHz	3.688 55 GHz	-25.00 dBm	-12.00 dB
3.689 GHz	3.690 GHz	100.000 kHz	3.689 93 GHz	-28.22 dBm	-15.22 dB
3.690 GHz	3.700 GHz	1.000 MHz	3.691 57 GHz	13.60 dBm	-16.40 dB
3.700 GHz	3.701 GHz	100.000 kHz	3.700 01 GHz	-28.48 dBm	-15.48 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.701 03 GHz	-22.55 dBm	-9.55 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.710 18 GHz	-40.49 dBm	-15.49 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.799 07 GHz	-44.59 dBm	-4.59 dB

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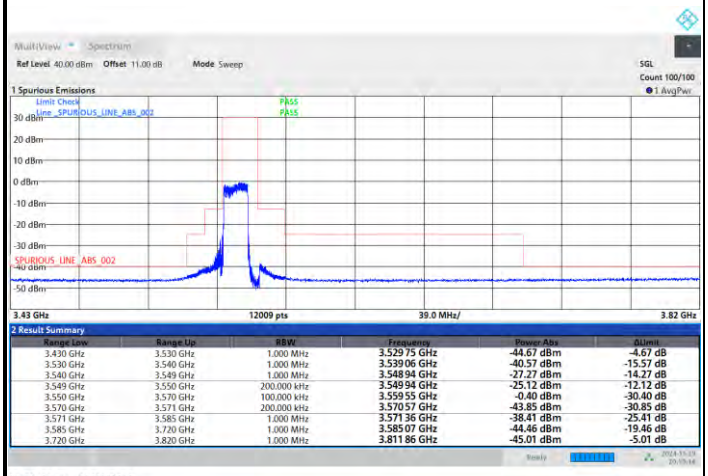
FR1 n48 / 15MHz / CP OFDM / QPSK / Full RB

Lowest Channel

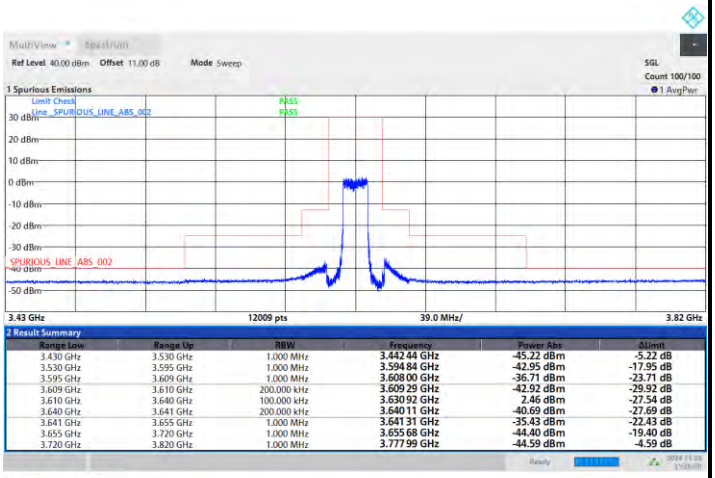


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.529 75 GHz	-44.67 dBm	-4.67 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 06 GHz	-40.57 dBm	-15.57 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 94 GHz	-27.27 dBm	-14.27 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.549 94 GHz	-25.12 dBm	-12.12 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.559 55 GHz	-0.40 dBm	-30.40 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.570 57 GHz	-43.85 dBm	-30.85 dB
3.571 GHz	3.585 GHz	1.000 MHz	3.571 36 GHz	-38.41 dBm	-25.41 dB
3.585 GHz	3.720 GHz	1.000 MHz	3.585 07 GHz	-44.46 dBm	-19.46 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.811 86 GHz	-45.01 dBm	-5.01 dB

08:59:44 PM 11/29/2024

Middle Channel

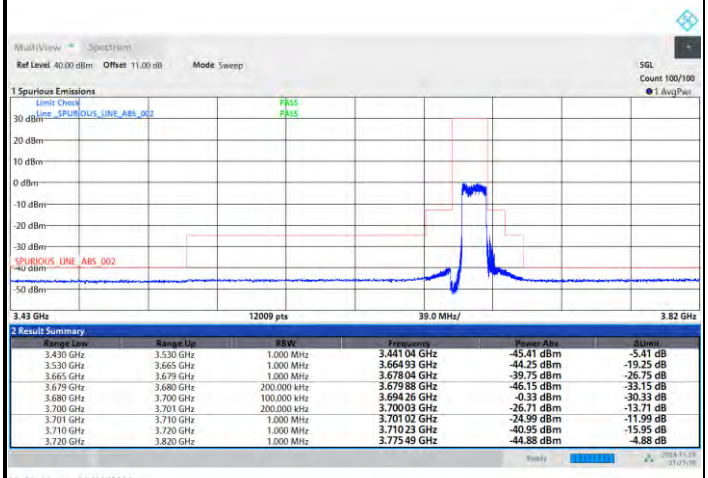


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.442 44 GHz	-45.22 dBm	-5.22 dB
3.530 GHz	3.595 GHz	1.000 MHz	3.594 84 GHz	-42.95 dBm	-17.95 dB
3.595 GHz	3.609 GHz	1.000 MHz	3.608 00 GHz	-36.71 dBm	-23.71 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.609 29 GHz	-42.92 dBm	-29.92 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.630 92 GHz	2.46 dBm	-27.54 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.640 11 GHz	-40.69 dBm	-27.69 dB
3.641 GHz	3.655 GHz	1.000 MHz	3.641 31 GHz	-35.43 dBm	-22.43 dB
3.655 GHz	3.720 GHz	1.000 MHz	3.655 68 GHz	-44.40 dBm	-19.40 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.777 99 GHz	-44.59 dBm	-4.59 dB

09:20:31 PM 11/29/2024

Highest Channel



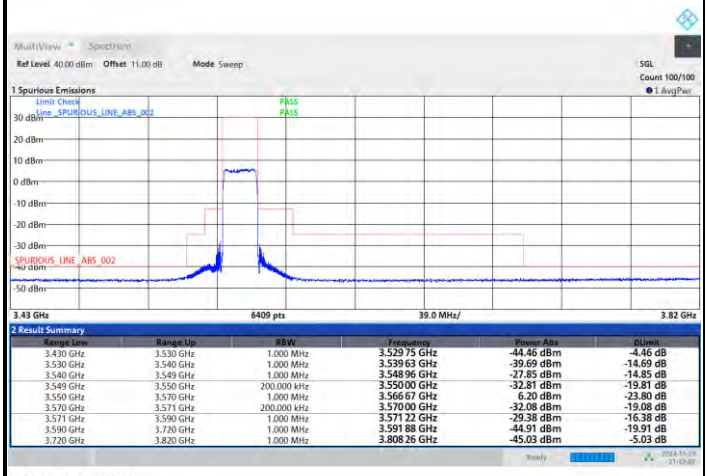
2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.441 04 GHz	-45.41 dBm	-5.41 dB
3.530 GHz	3.665 GHz	1.000 MHz	3.664 93 GHz	-44.25 dBm	-19.25 dB
3.665 GHz	3.679 GHz	1.000 MHz	3.678 04 GHz	-39.75 dBm	-26.75 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.679 88 GHz	-46.15 dBm	-33.15 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.694 26 GHz	-0.33 dBm	-30.33 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.700 03 GHz	-26.71 dBm	-13.71 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.701 02 GHz	-24.99 dBm	-11.99 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.710 23 GHz	-40.95 dBm	-15.95 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.775 49 GHz	-44.88 dBm	-4.88 dB

09:21:11 PM 11/29/2024

FR1 n48 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Channel

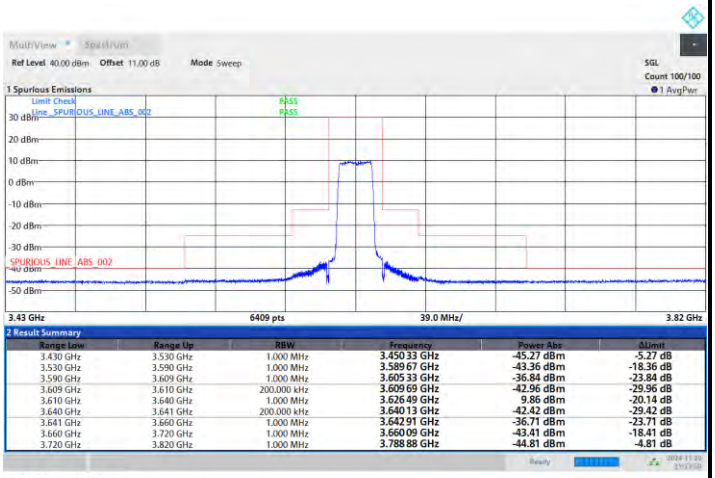


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.529 75 GHz	-44.46 dBm	-4.46 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 63 GHz	-39.69 dBm	-14.69 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 96 GHz	-27.85 dBm	-14.85 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.550 00 GHz	-32.81 dBm	-19.81 dB
3.550 GHz	3.570 GHz	1.000 MHz	3.566 67 GHz	6.20 dBm	-23.80 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.570 00 GHz	-32.08 dBm	-19.08 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.571 22 GHz	-29.38 dBm	-16.38 dB
3.590 GHz	3.720 GHz	1.000 MHz	3.591 88 GHz	-44.91 dBm	-19.91 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.808 26 GHz	-45.03 dBm	-5.03 dB

09:32:03 PM 11/29/2024

Middle Channel

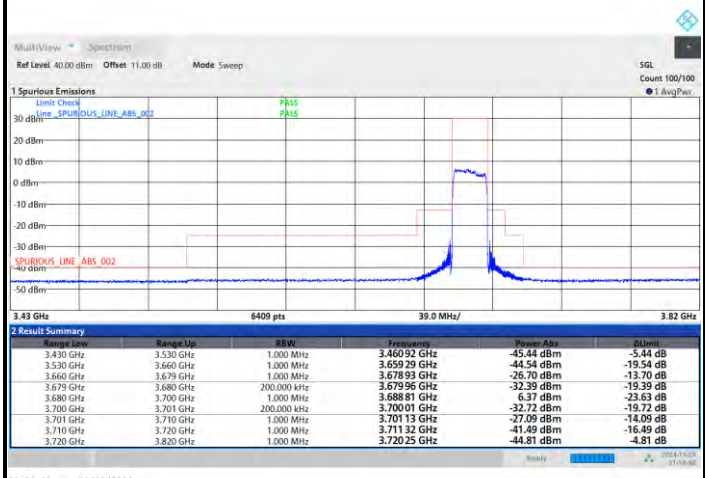


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.450 33 GHz	-45.27 dBm	-5.27 dB
3.530 GHz	3.590 GHz	1.000 MHz	3.589 67 GHz	-43.36 dBm	-18.36 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.605 33 GHz	-36.84 dBm	-23.84 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.609 69 GHz	-42.96 dBm	-29.96 dB
3.610 GHz	3.640 GHz	1.000 MHz	3.626 49 GHz	9.86 dBm	-20.14 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.640 13 GHz	-42.42 dBm	-29.42 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.642 91 GHz	-36.71 dBm	-23.71 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.660 09 GHz	-43.41 dBm	-18.41 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.788 88 GHz	-44.81 dBm	-4.81 dB

09:54:00 PM 11/29/2024

Highest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.460 92 GHz	-45.44 dBm	-5.44 dB
3.530 GHz	3.660 GHz	1.000 MHz	3.659 29 GHz	-44.54 dBm	-19.54 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.678 93 GHz	-26.70 dBm	-13.70 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.679 96 GHz	-32.39 dBm	-19.39 dB
3.680 GHz	3.700 GHz	1.000 MHz	3.688 81 GHz	6.37 dBm	-23.63 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.700 01 GHz	-32.72 dBm	-19.72 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.701 13 GHz	-27.09 dBm	-14.09 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.711 32 GHz	-41.49 dBm	-16.49 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.720 25 GHz	-44.81 dBm	-4.81 dB

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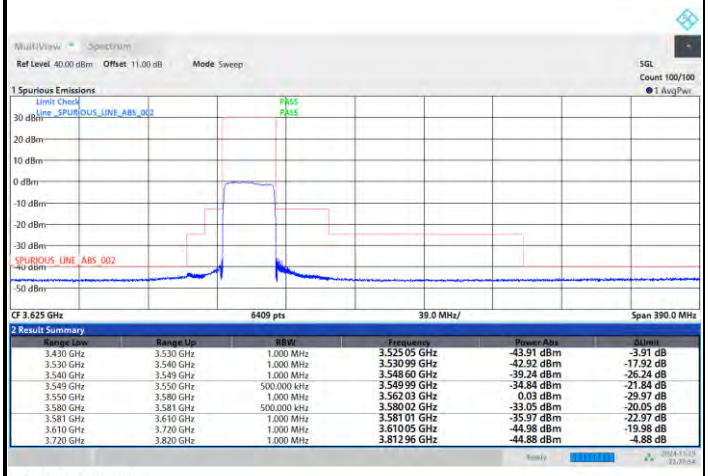
FR1 n48 / 30MHz / CP OFDM / QPSK / Full RB

Lowest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.525 05 GHz	-43.91 dBm	-3.91 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.530 99 GHz	-42.92 dBm	-17.92 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 60 GHz	-39.24 dBm	-26.24 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.549 99 GHz	-34.84 dBm	-21.84 dB
3.550 GHz	3.580 GHz	1.000 MHz	3.562 03 GHz	0.03 dBm	-29.97 dB
3.580 GHz	3.581 GHz	500.000 kHz	3.580 02 GHz	-33.05 dBm	-20.05 dB
3.581 GHz	3.610 GHz	1.000 MHz	3.581 01 GHz	-35.97 dBm	-22.97 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.610 05 GHz	-44.98 dBm	-19.98 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.812 96 GHz	-44.88 dBm	-4.88 dB

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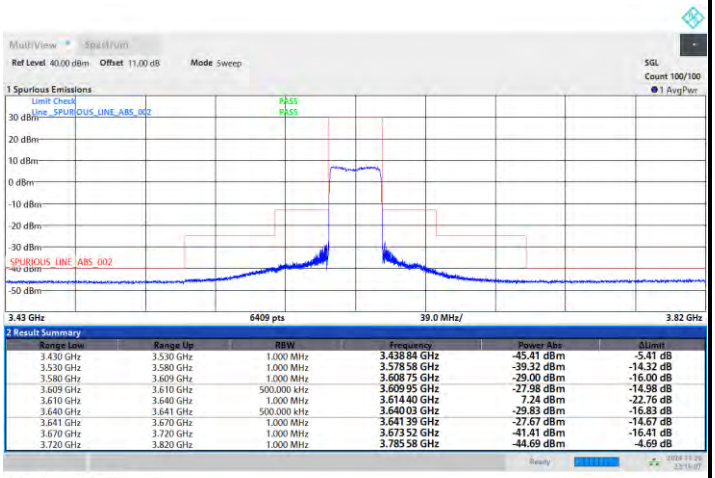
Middle Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.438 84 GHz	-45.41 dBm	-5.41 dB
3.530 GHz	3.580 GHz	1.000 MHz	3.578 58 GHz	-39.32 dBm	-14.32 dB
3.580 GHz	3.609 GHz	1.000 MHz	3.608 75 GHz	-29.00 dBm	-16.00 dB
3.609 GHz	3.610 GHz	500.000 kHz	3.609 95 GHz	-27.98 dBm	-14.98 dB
3.610 GHz	3.640 GHz	1.000 MHz	3.614 40 GHz	7.24 dBm	-22.76 dB
3.640 GHz	3.641 GHz	500.000 kHz	3.640 03 GHz	-29.83 dBm	-16.83 dB
3.641 GHz	3.670 GHz	1.000 MHz	3.641 39 GHz	-27.67 dBm	-14.67 dB
3.670 GHz	3.720 GHz	1.000 MHz	3.673 52 GHz	-41.41 dBm	-16.41 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.785 58 GHz	-44.69 dBm	-4.69 dB

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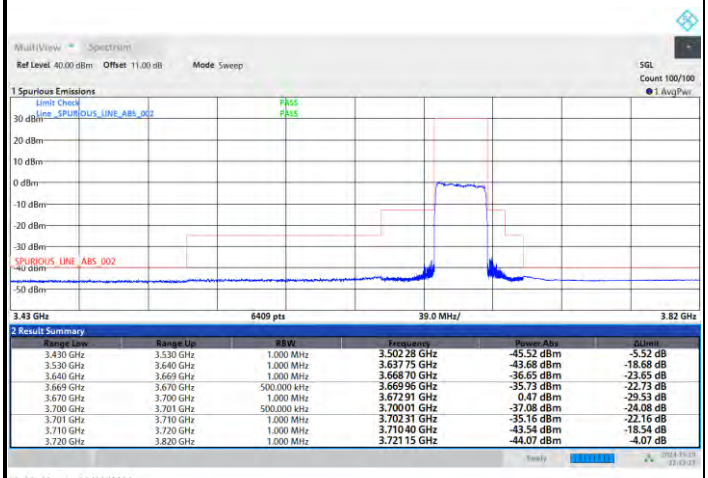
Highest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.502 28 GHz	-45.52 dBm	-5.52 dB
3.530 GHz	3.640 GHz	1.000 MHz	3.637 75 GHz	-43.68 dBm	-18.68 dB
3.640 GHz	3.669 GHz	1.000 MHz	3.668 70 GHz	-36.65 dBm	-23.65 dB
3.669 GHz	3.670 GHz	500.000 kHz	3.669 96 GHz	-35.73 dBm	-22.73 dB
3.670 GHz	3.700 GHz	1.000 MHz	3.672 91 GHz	0.47 dBm	-29.53 dB
3.700 GHz	3.701 GHz	500.000 kHz	3.700 01 GHz	-37.08 dBm	-24.08 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.702 31 GHz	-35.16 dBm	-22.16 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.710 40 GHz	-43.54 dBm	-18.54 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.721 15 GHz	-44.07 dBm	-4.07 dB

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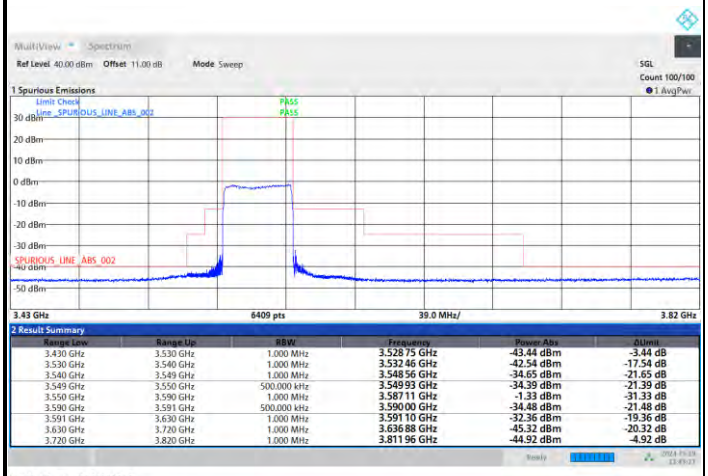
FR1 n48 / 40MHz / CP OFDM / QPSK / Full RB

Lowest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.528 75 GHz	-43.44 dBm	-3.44 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.532 46 GHz	-42.54 dBm	-17.54 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 56 GHz	-34.65 dBm	-21.65 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.549 93 GHz	-34.39 dBm	-21.39 dB
3.550 GHz	3.590 GHz	1.000 MHz	3.587 11 GHz	-1.33 dBm	-31.33 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.590 00 GHz	-34.48 dBm	-21.48 dB
3.591 GHz	3.630 GHz	1.000 MHz	3.591 10 GHz	-32.36 dBm	-19.36 dB
3.630 GHz	3.720 GHz	1.000 MHz	3.636 88 GHz	-45.32 dBm	-20.32 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.811 96 GHz	-4.92 dBm	-4.92 dB

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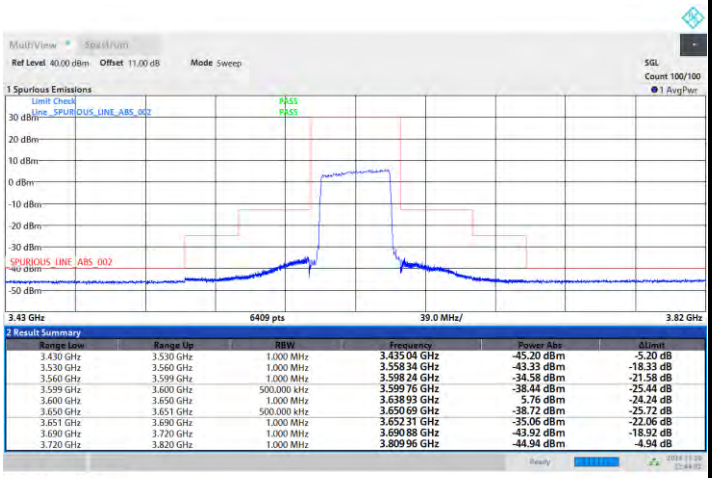
Middle Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.435 04 GHz	-45.20 dBm	-5.20 dB
3.530 GHz	3.560 GHz	1.000 MHz	3.558 34 GHz	-43.33 dBm	-18.33 dB
3.560 GHz	3.599 GHz	1.000 MHz	3.598 24 GHz	-34.58 dBm	-21.58 dB
3.599 GHz	3.600 GHz	500.000 kHz	3.599 76 GHz	-38.44 dBm	-25.44 dB
3.600 GHz	3.650 GHz	1.000 MHz	3.638 93 GHz	5.76 dBm	-24.24 dB
3.650 GHz	3.651 GHz	500.000 kHz	3.650 69 GHz	-38.72 dBm	-25.72 dB
3.651 GHz	3.690 GHz	1.000 MHz	3.652 31 GHz	-35.06 dBm	-22.06 dB
3.690 GHz	3.720 GHz	1.000 MHz	3.690 88 GHz	-43.92 dBm	-18.92 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.809 96 GHz	-44.94 dBm	-4.94 dB

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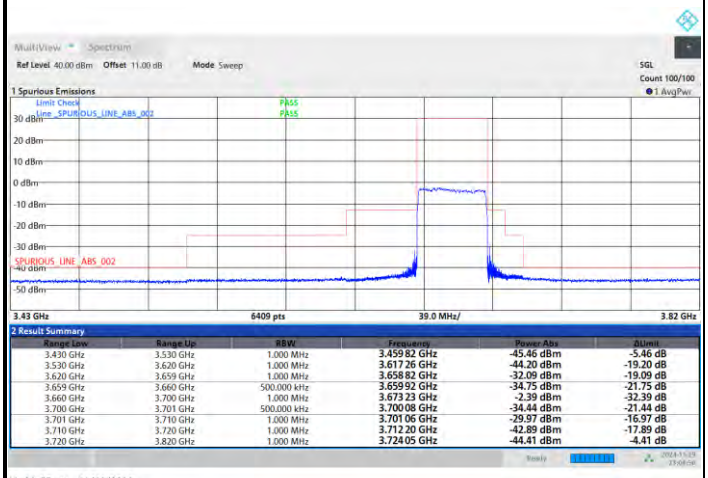
Highest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.530 GHz	1.000 MHz	3.459 82 GHz	-45.46 dBm	-5.46 dB
3.530 GHz	3.620 GHz	1.000 MHz	3.617 26 GHz	-44.20 dBm	-19.20 dB
3.620 GHz	3.659 GHz	1.000 MHz	3.658 82 GHz	-32.09 dBm	-19.09 dB
3.659 GHz	3.660 GHz	500.000 kHz	3.659 92 GHz	-34.75 dBm	-21.75 dB
3.660 GHz	3.700 GHz	1.000 MHz	3.673 23 GHz	-2.39 dBm	-32.39 dB
3.700 GHz	3.701 GHz	500.000 kHz	3.700 08 GHz	-34.44 dBm	-21.44 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.701 06 GHz	-29.97 dBm	-16.97 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.712 20 GHz	-42.89 dBm	-17.89 dB
3.720 GHz	3.820 GHz	1.000 MHz	3.724 05 GHz	-44.41 dBm	-4.41 dB

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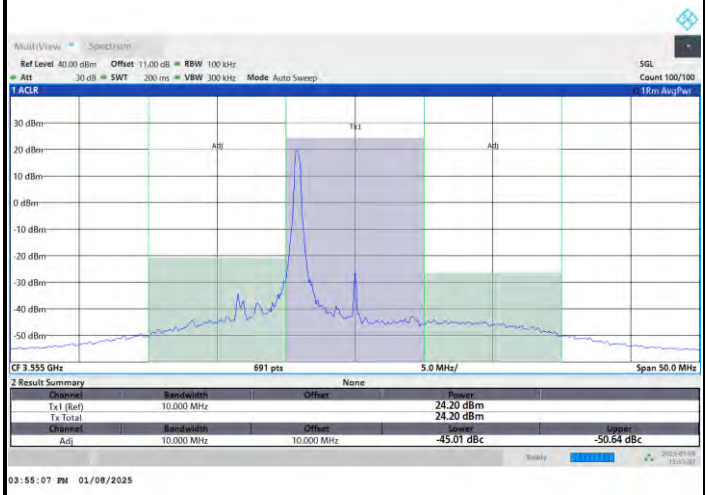
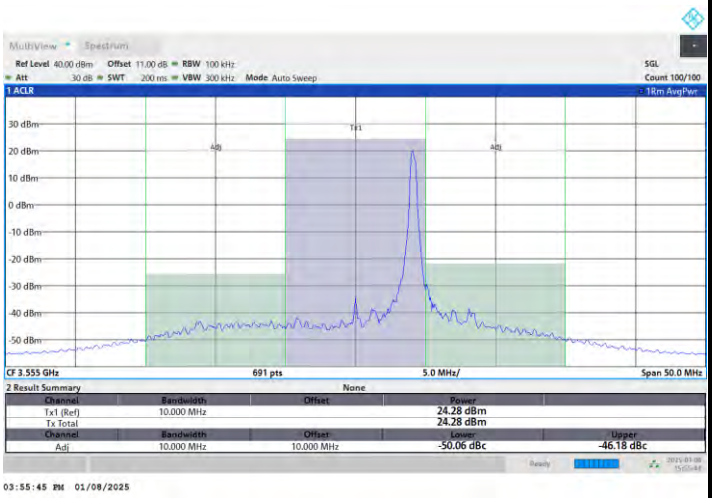
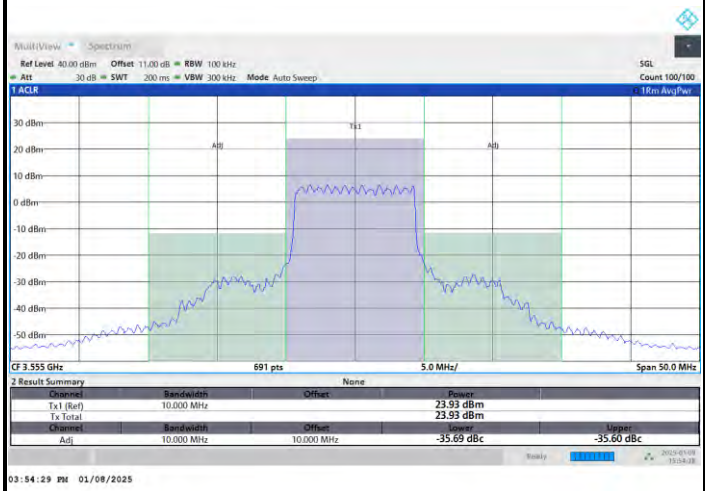
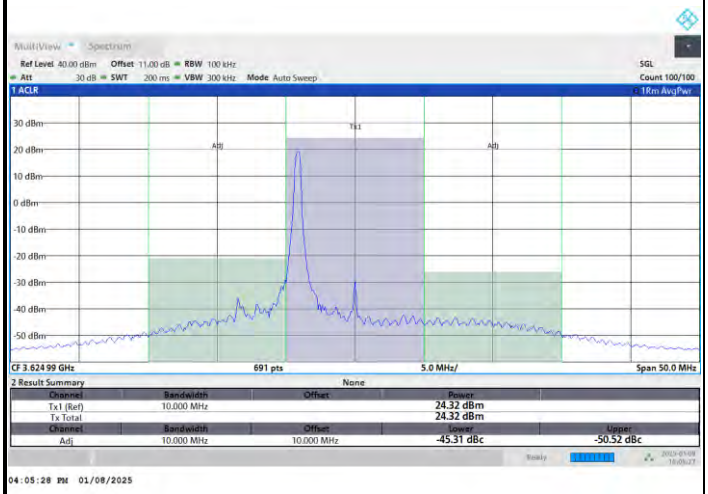
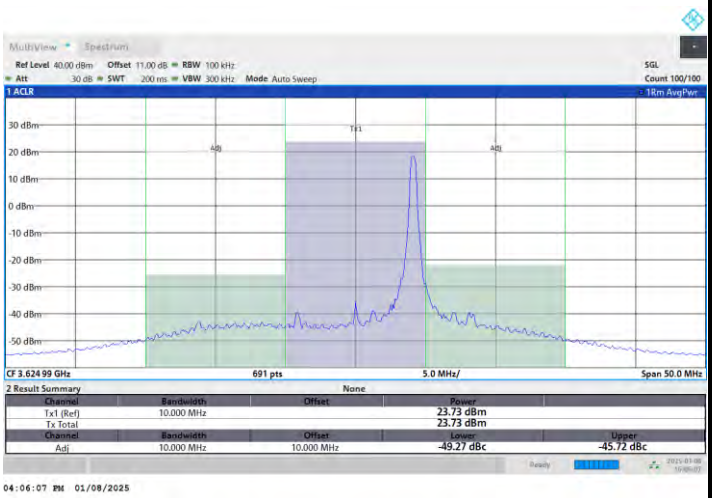
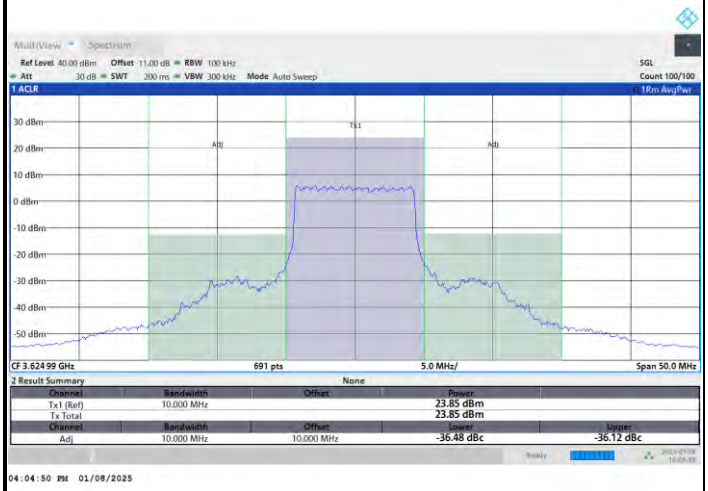
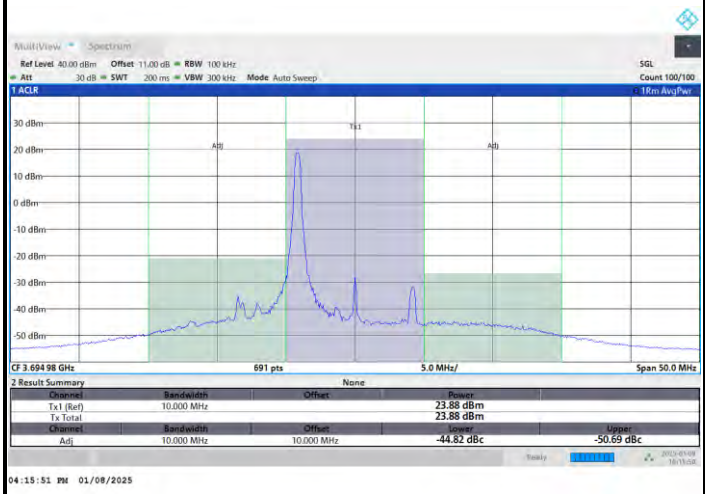
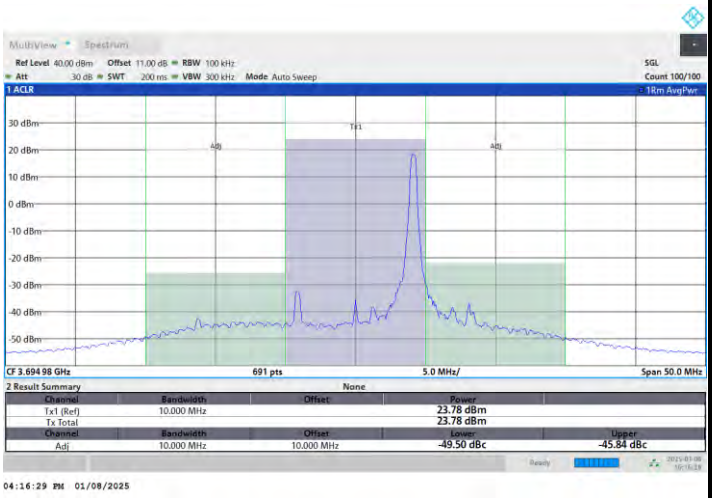
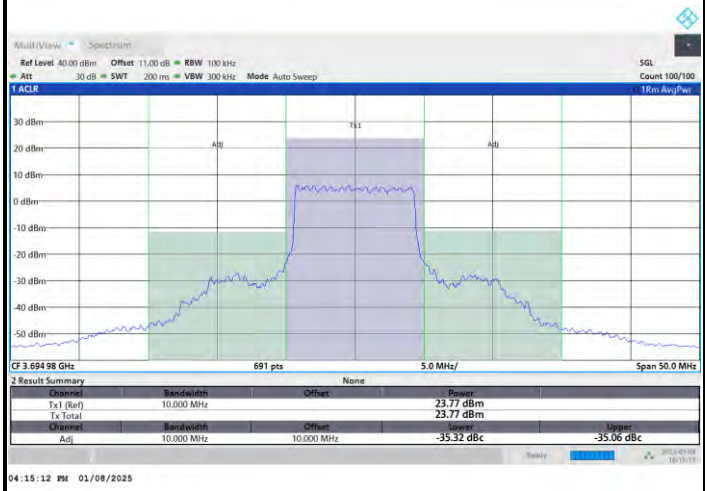
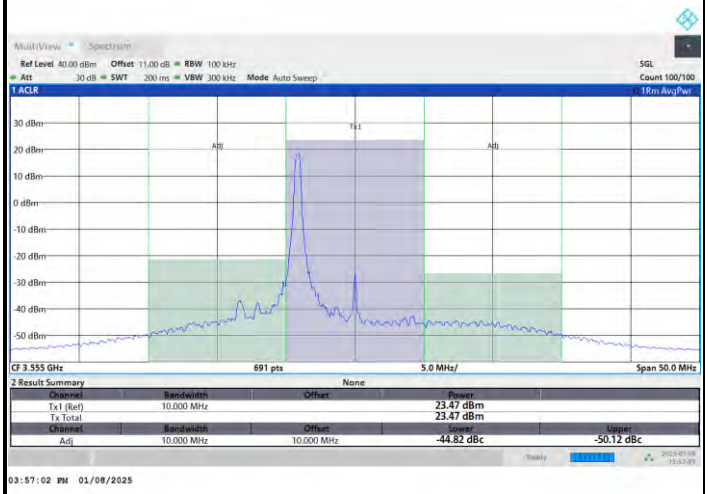
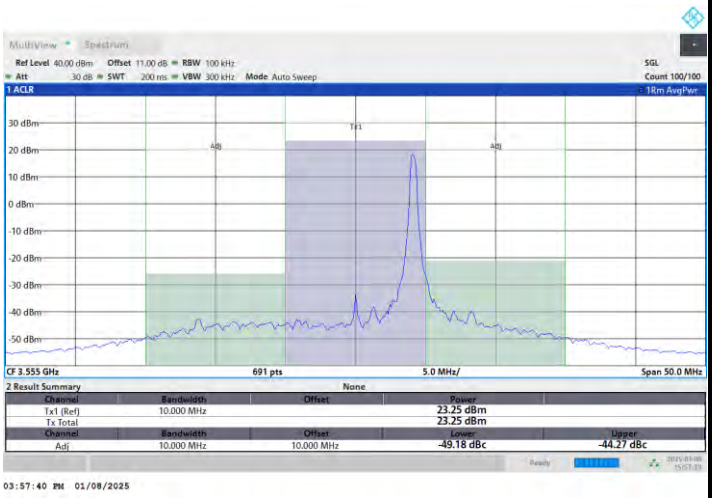
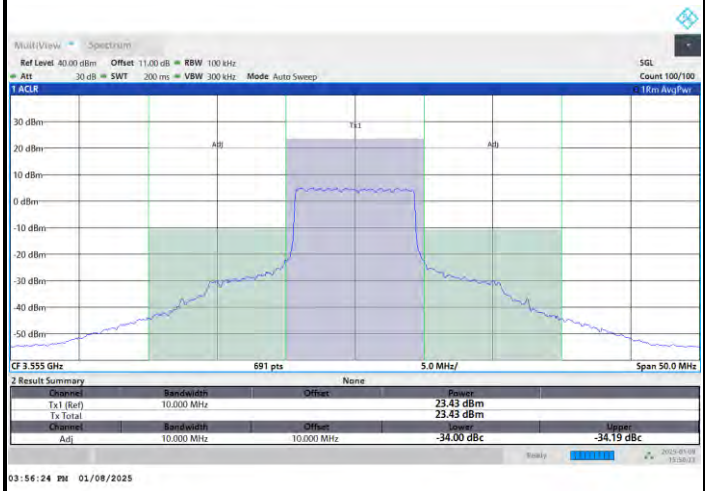
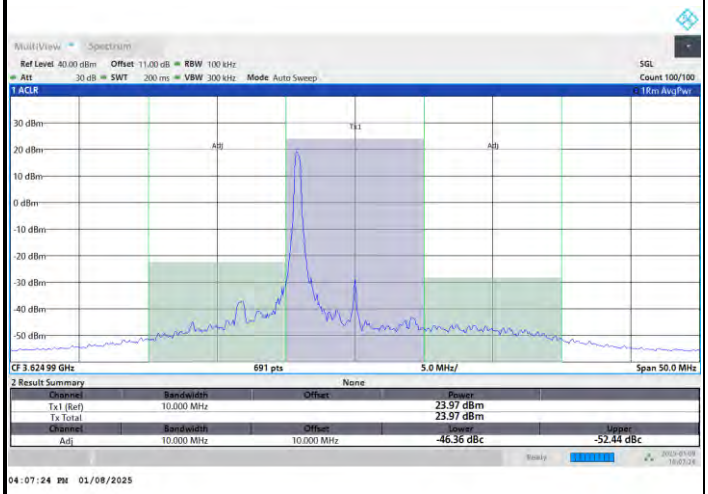
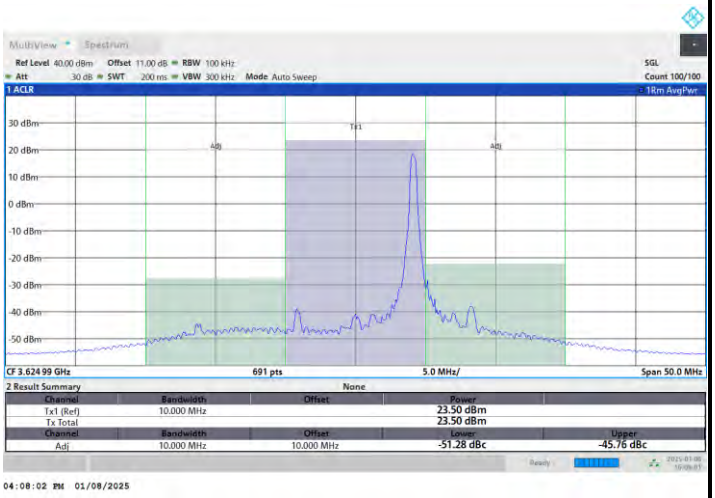
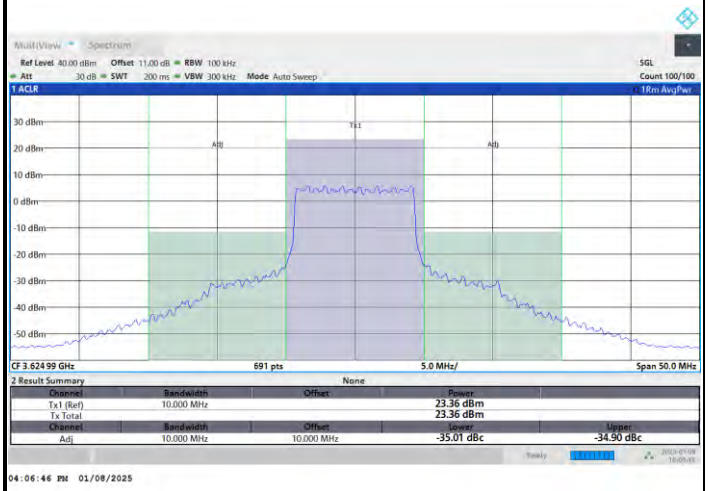
Adjacent Channel Leakage Ratio (ACLR)

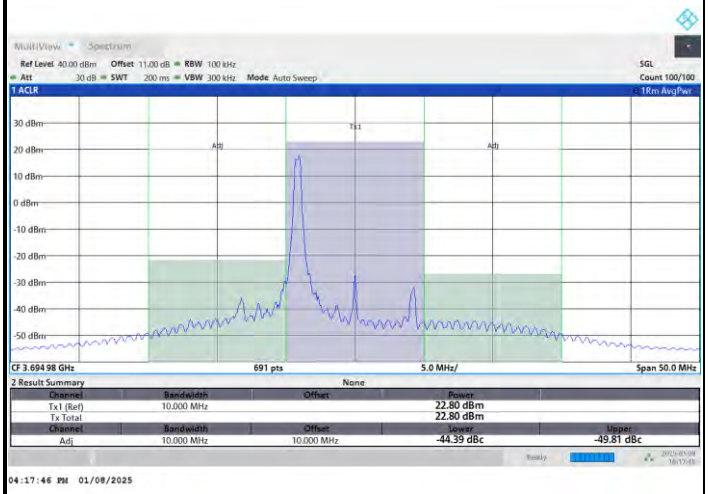
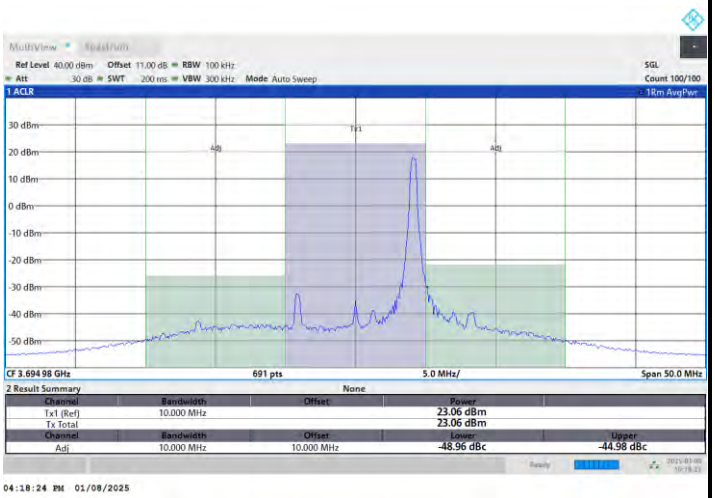
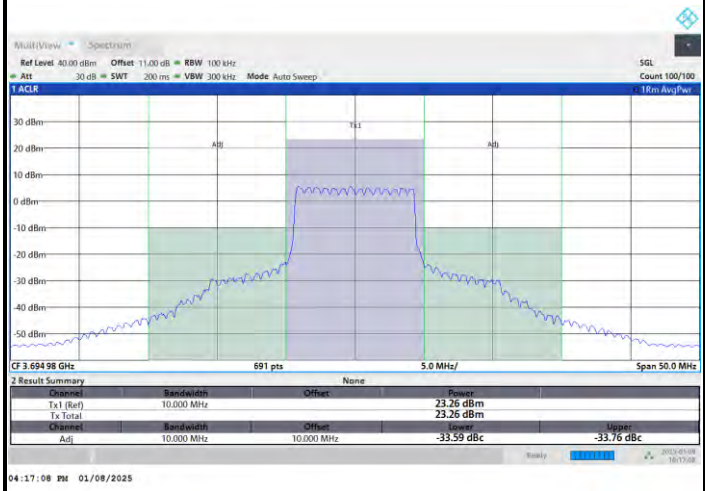
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

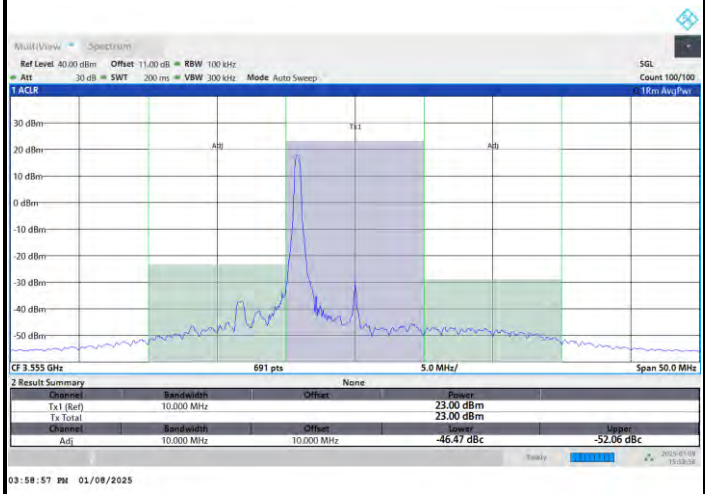
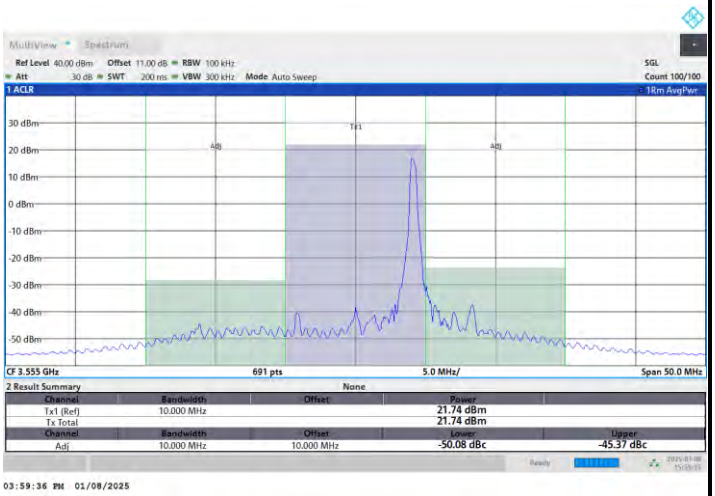
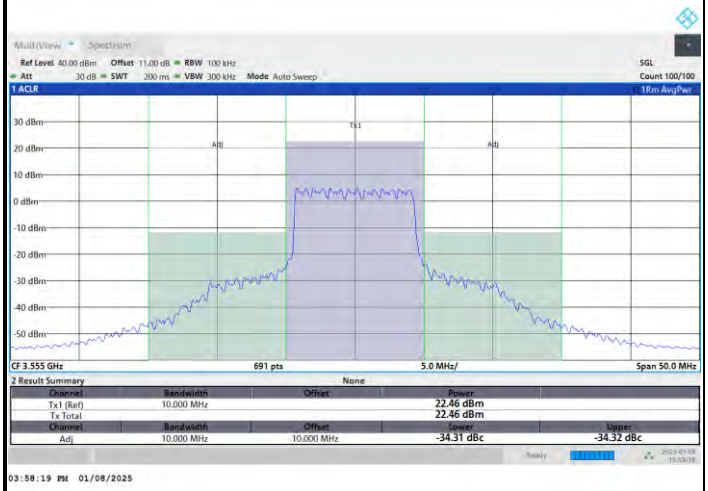
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK	
Middle Channel	
1RB0	1RBmax
	
Full RB	
	

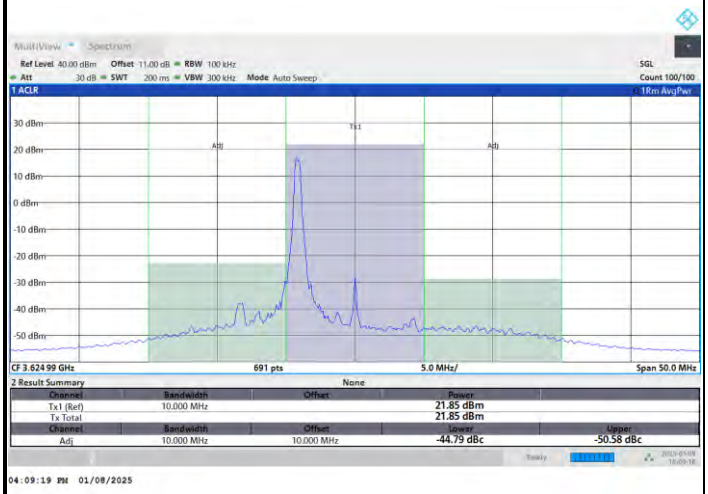
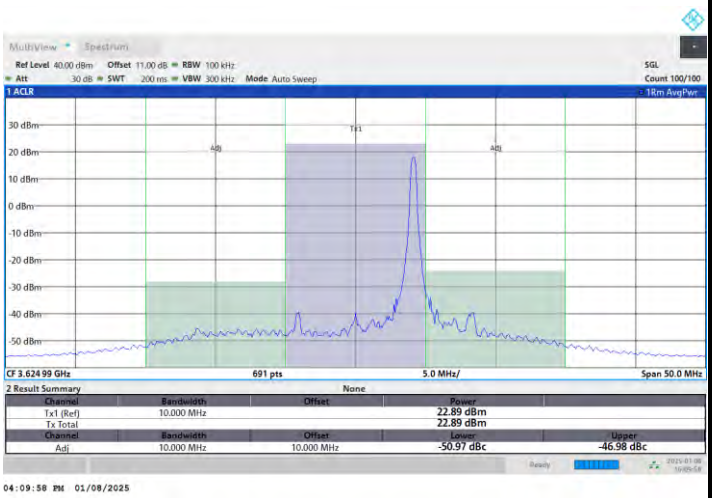
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

FR1 n48 / 10MHz / DFT-S OFDM / QPSK	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

FR1 n48 / 10MHz / DFT-S OFDM / QPSK	
Middle Channel	
1RB0	1RBmax
	
Full RB	
	

FR1 n48 / 10MHz / DFT-S OFDM / QPSK	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

FR1 n48 / 10MHz / DFT-S OFDM / 16QAM	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

FR1 n48 / 10MHz / DFT-S OFDM / 16QAM	
Middle Channel	
1RB0	1RBmax
	
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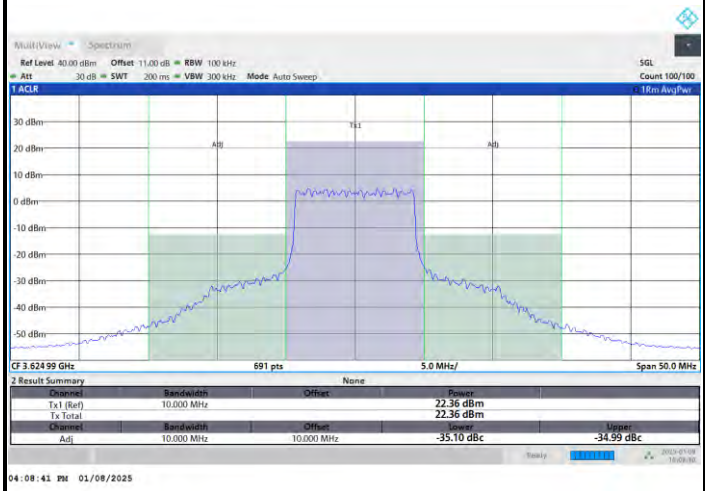
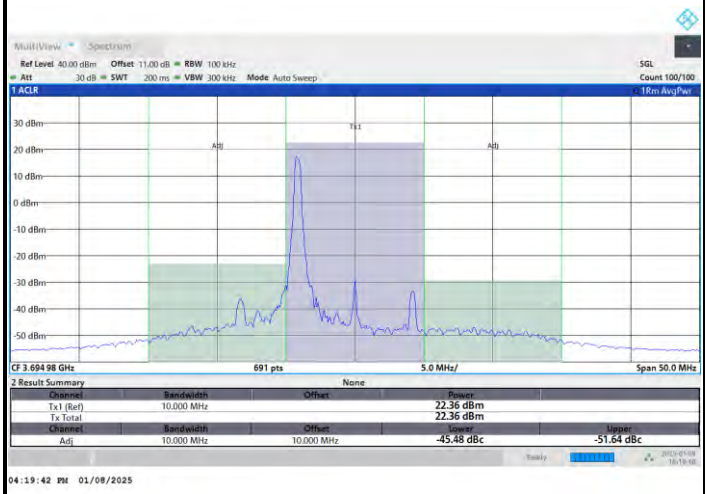
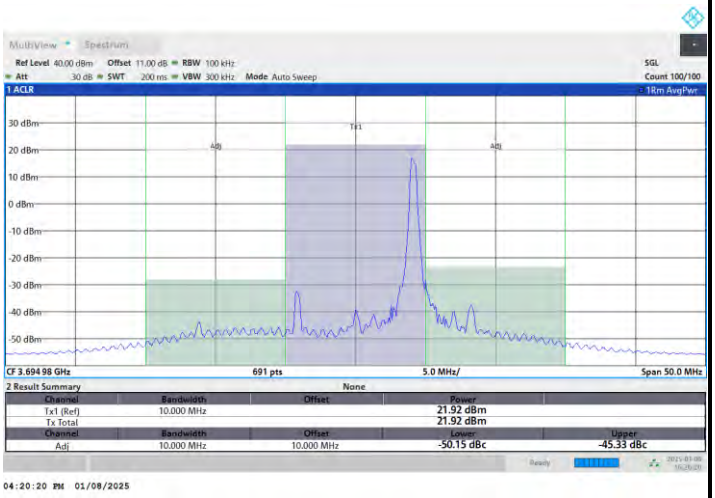
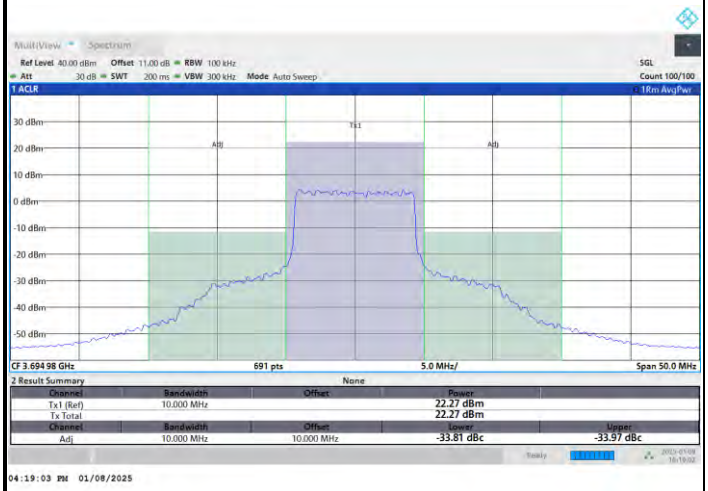
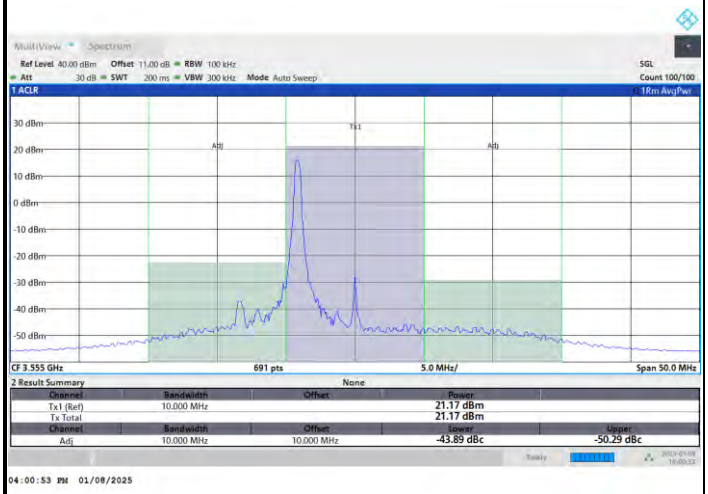
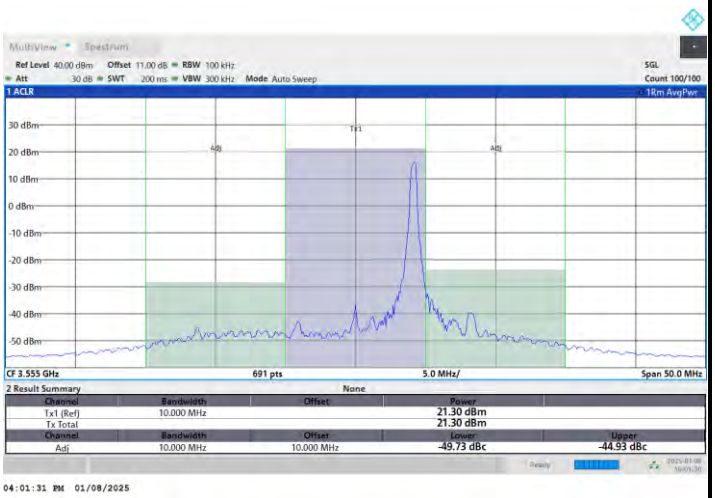
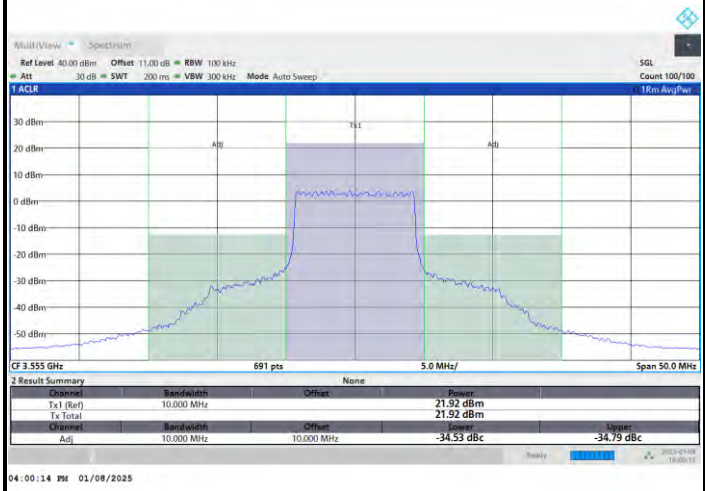
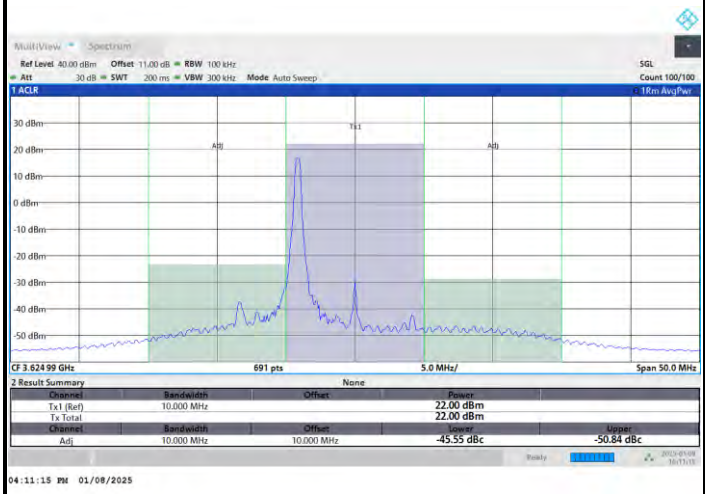
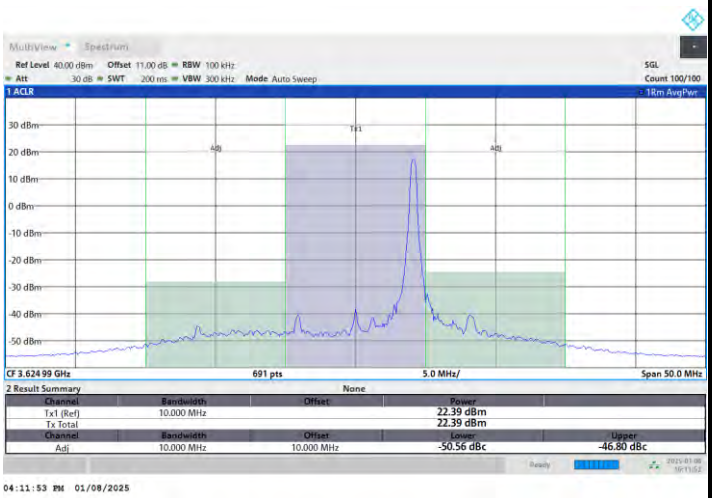
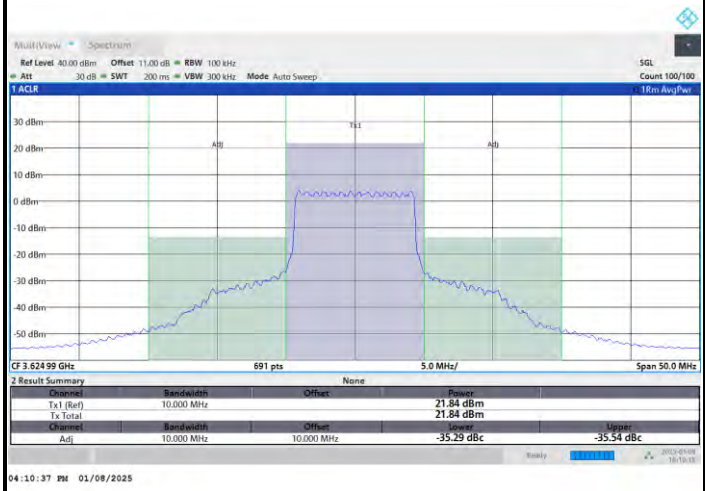
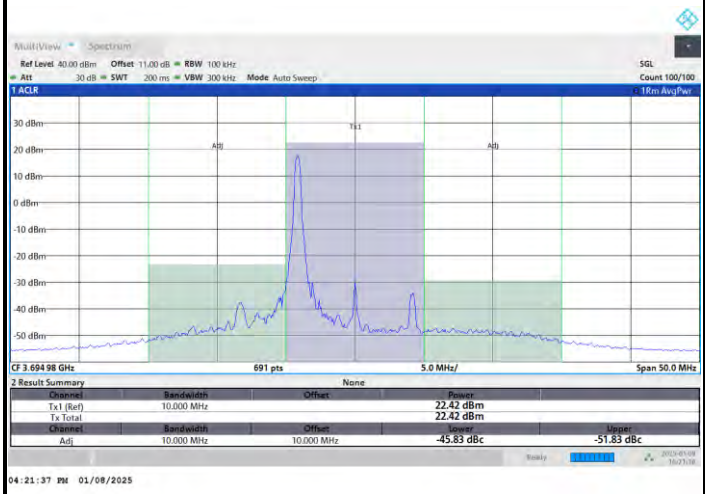
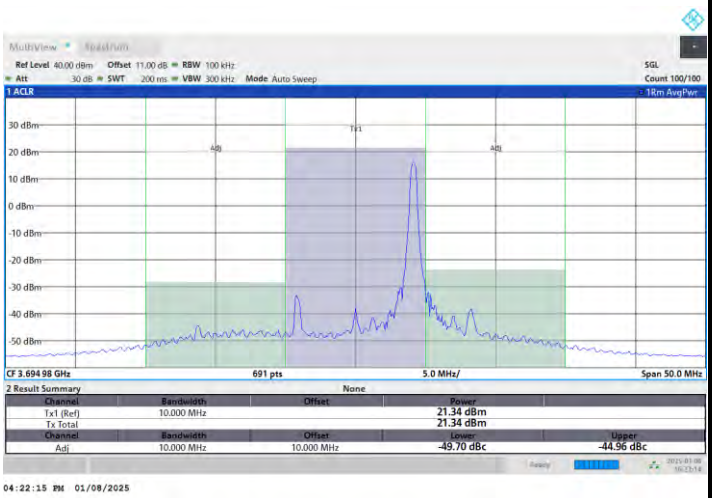
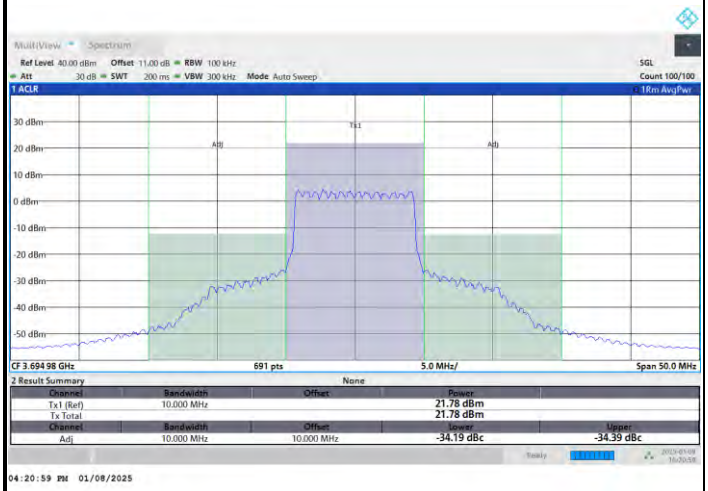
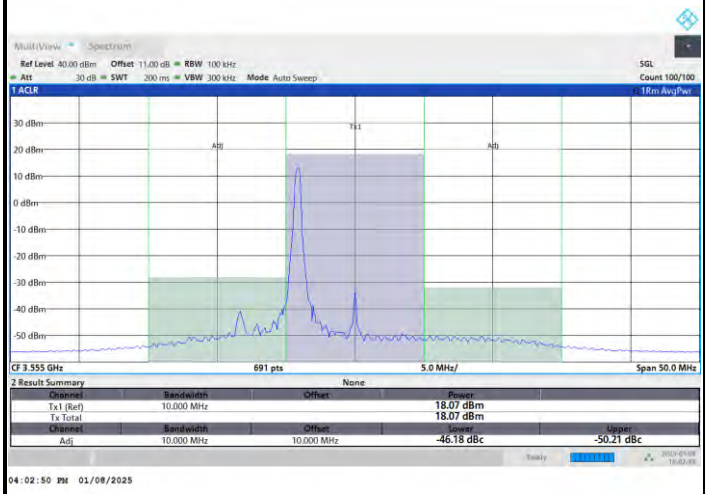
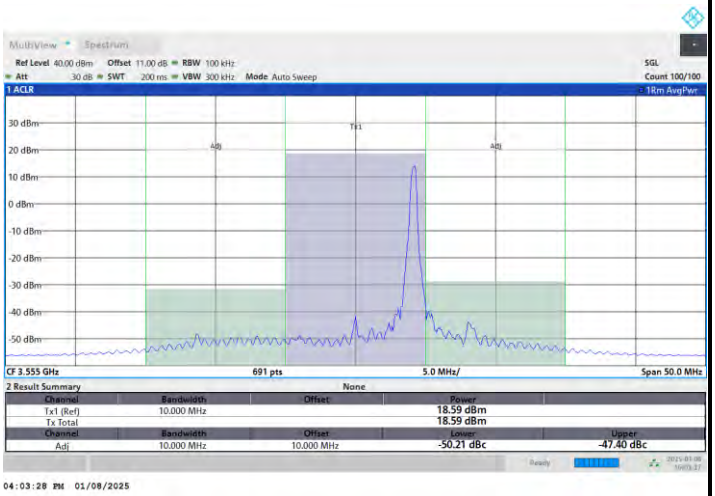
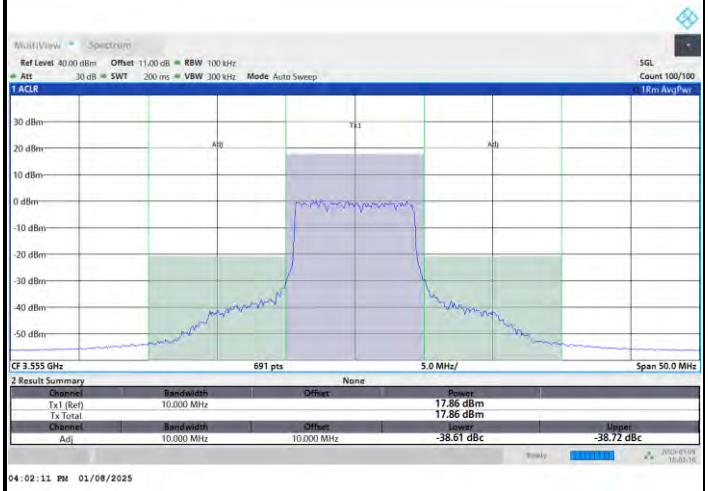
	

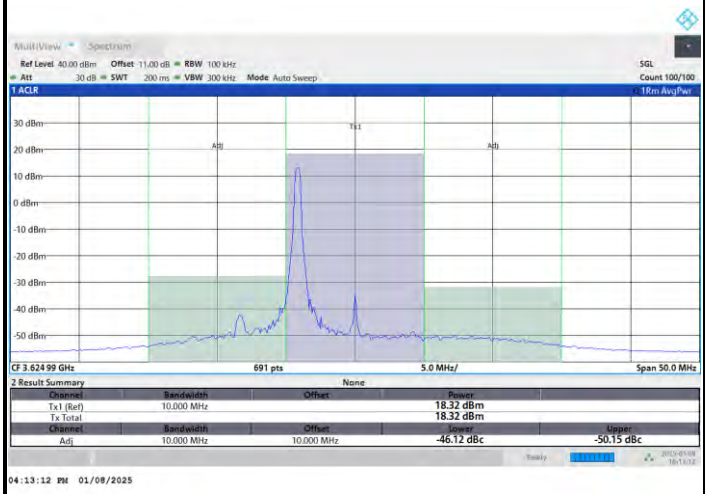
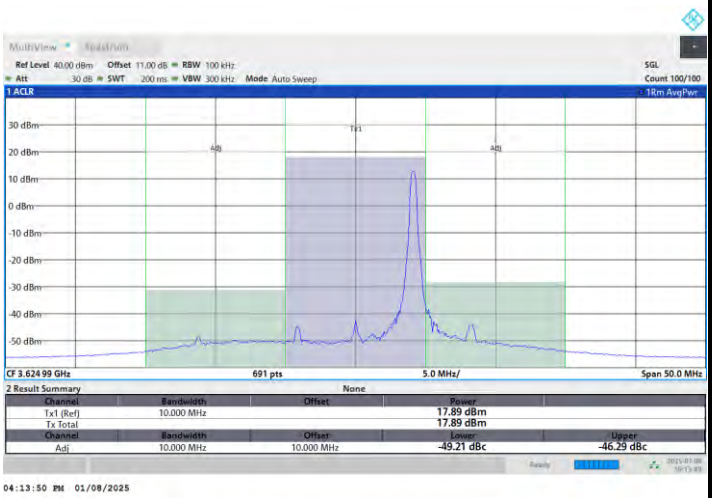
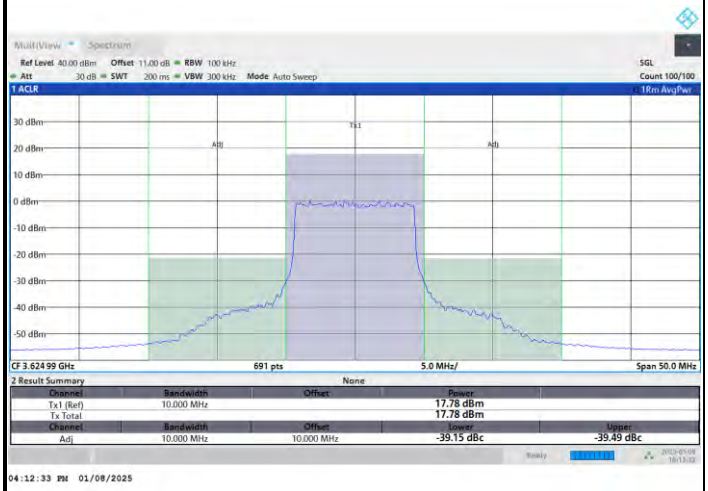
FR1 n48 / 10MHz / DFT-S OFDM / 16QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

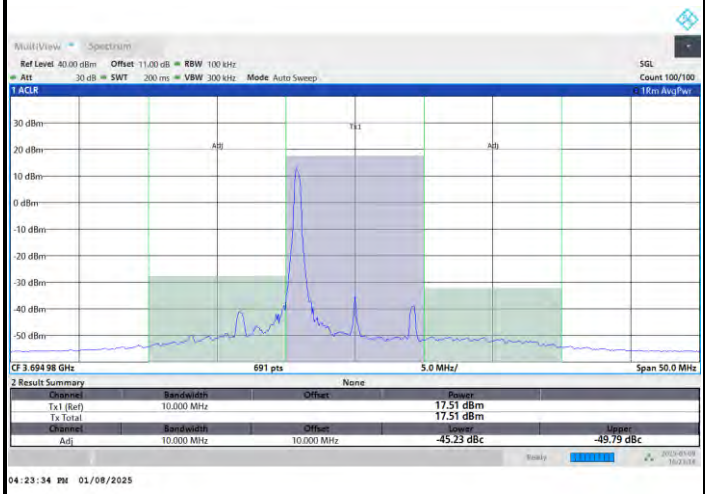
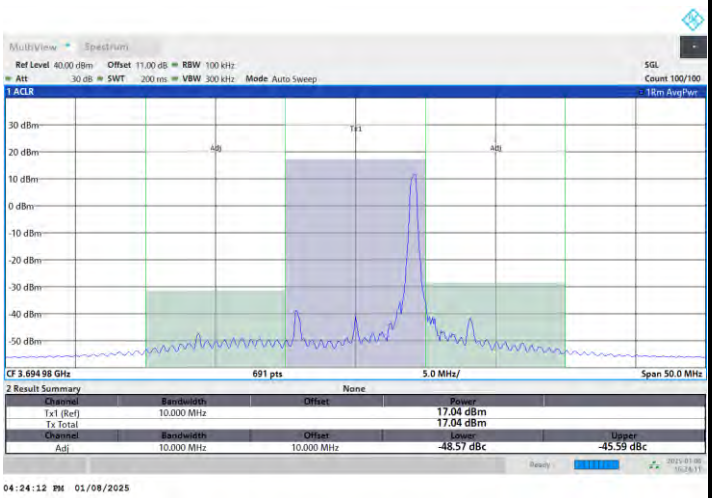
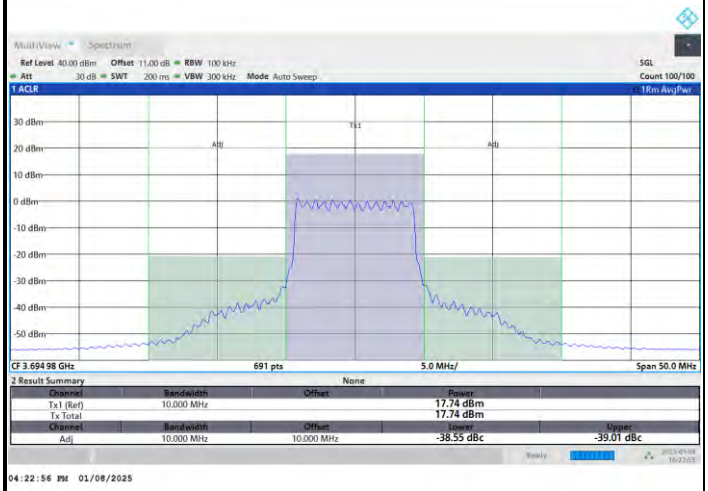
FR1 n48 / 10MHz / DFT-S OFDM / 64QAM	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

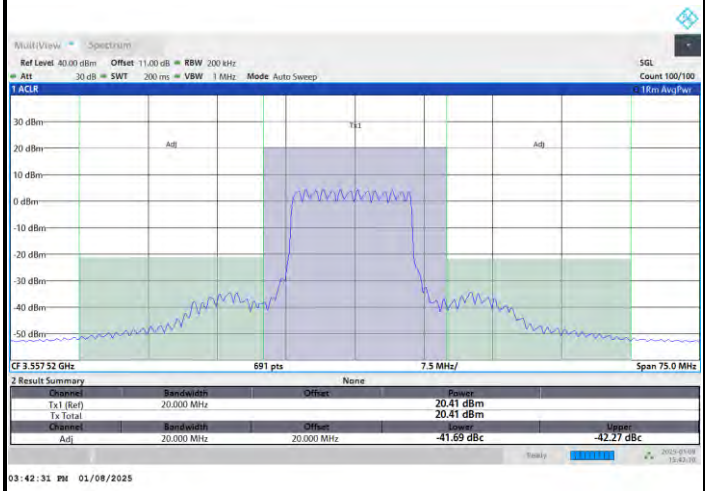
FR1 n48 / 10MHz / DFT-S OFDM / 64QAM	
Middle Channel	
1RB0	1RBmax
	
Full RB	
	

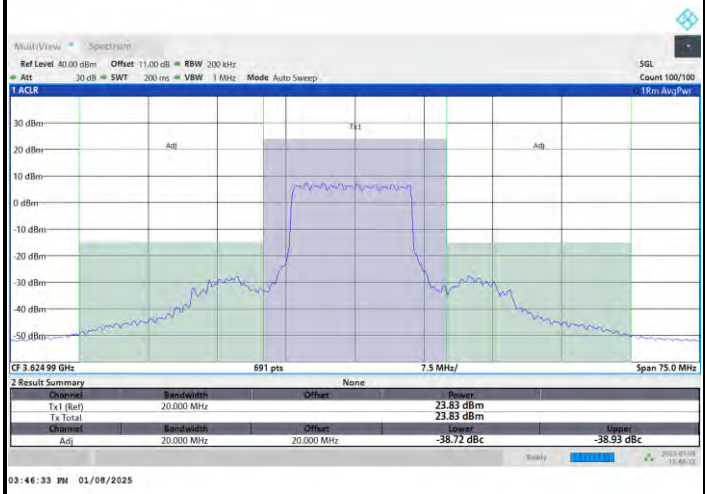
FR1 n48 / 10MHz / DFT-S OFDM / 64QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

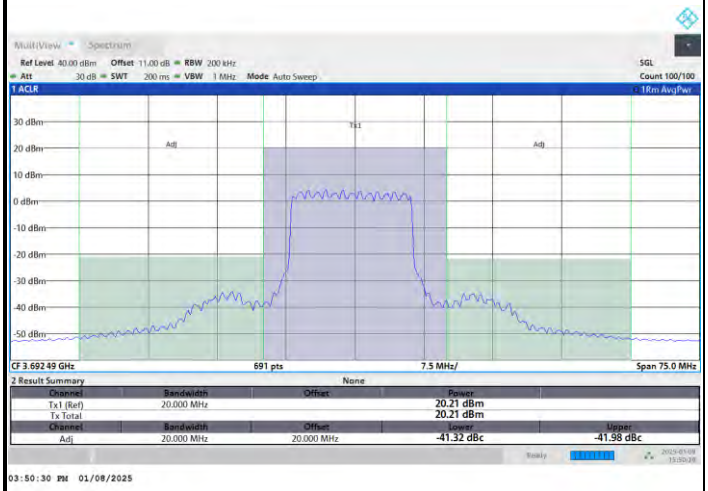
FR1 n48 / 10MHz / DFT-S OFDM / 256QAM	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

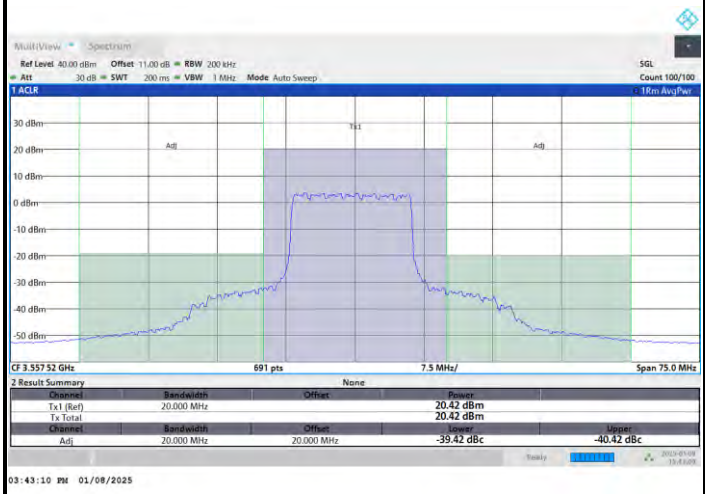
FR1 n48 / 10MHz / DFT-S OFDM / 256QAM	
Middle Channel	
1RB0	1RBmax
	
Full RB	
	

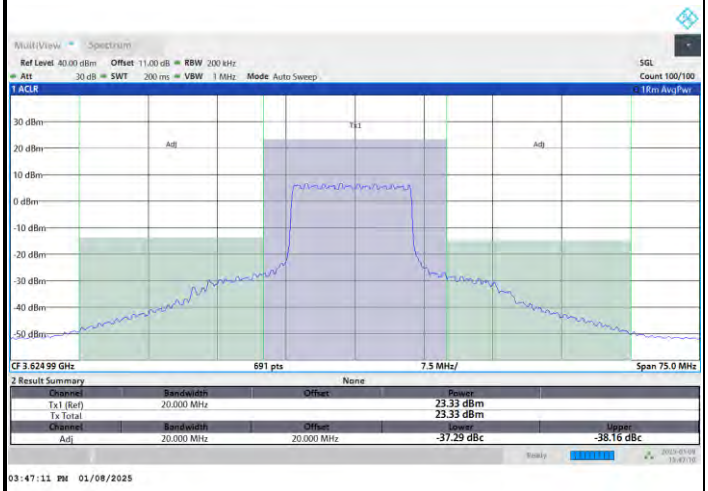
FR1 n48 / 10MHz / DFT-S OFDM / 256QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

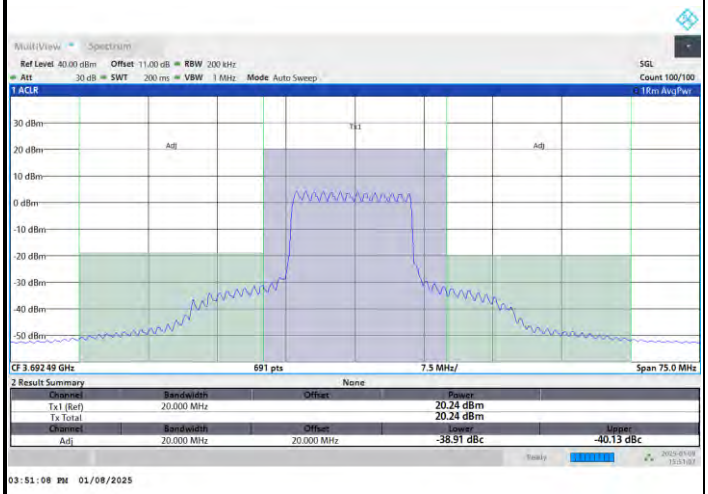
FR1 n48 / 15MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Channel	
Full RB	
	

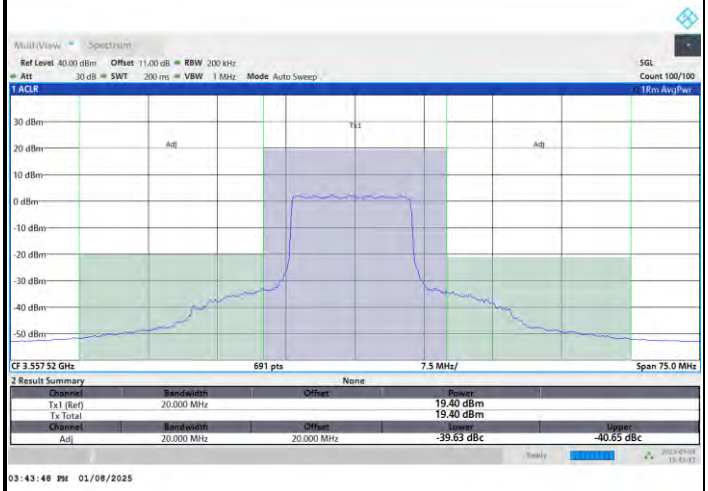
FR1 n48 / 15MHz / DFT-S OFDM / PI/2 BPSK	
Middle Channel	
Full RB	
	

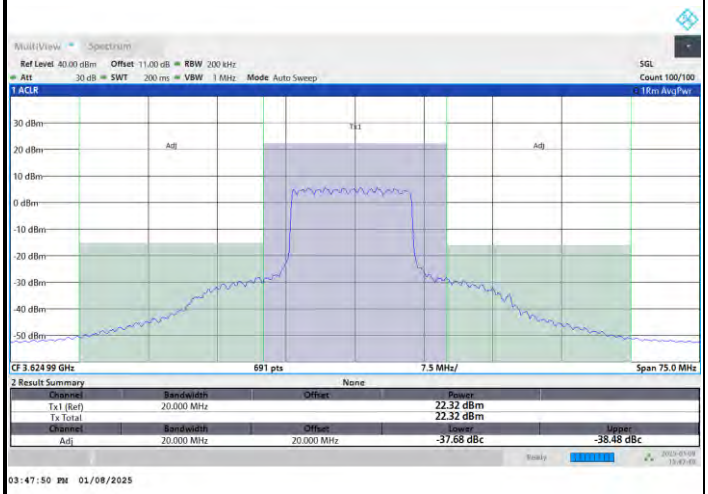
FR1 n48 / 15MHz / DFT-S OFDM / PI/2 BPSK	
Highest Channel	
Full RB	
	

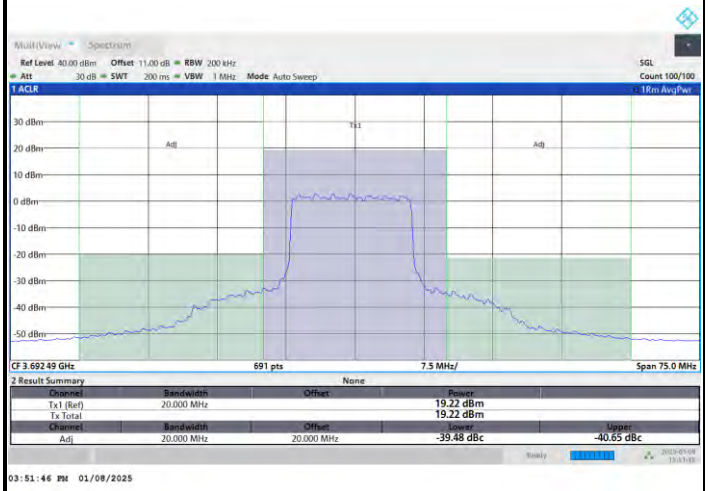
FR1 n48 / 15MHz / DFT-S OFDM / QPSK	
Lowest Channel	
Full RB	
	

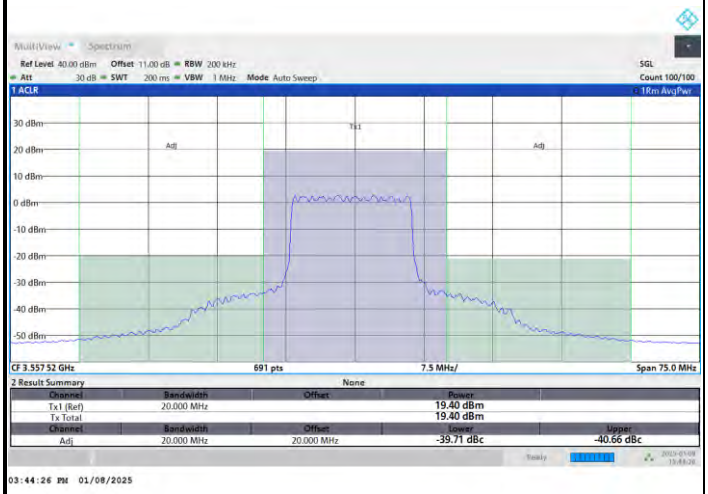
FR1 n48 / 15MHz / DFT-S OFDM / QPSK	
Middle Channel	
Full RB	
	

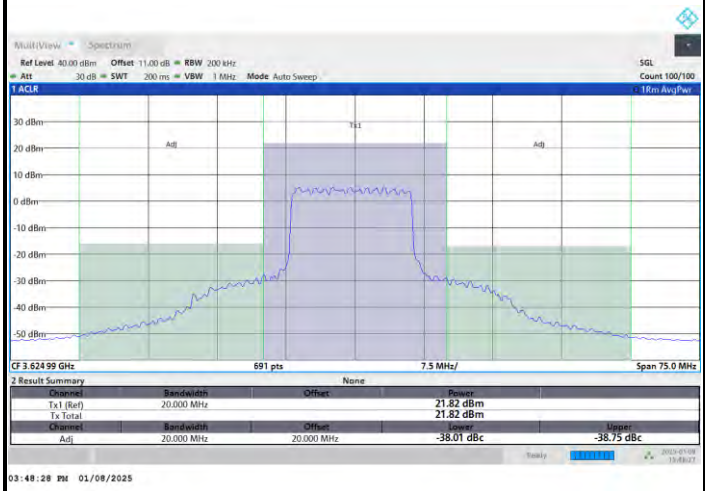
FR1 n48 / 15MHz / DFT-S OFDM / QPSK	
Highest Channel	
Full RB	
	

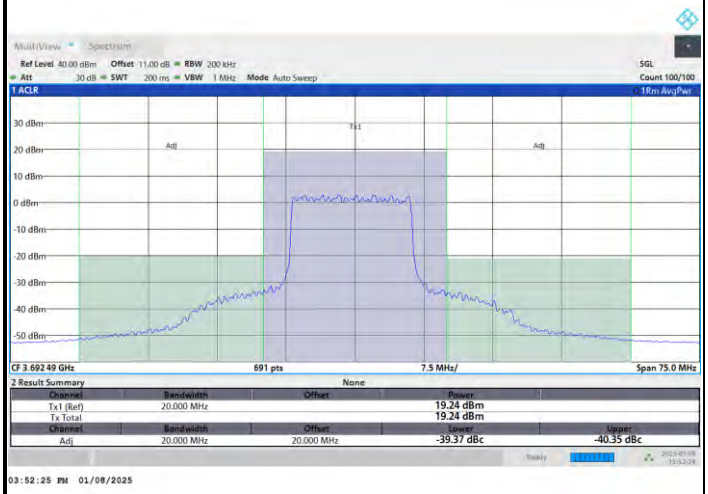
FR1 n48 / 15MHz / DFT-S OFDM / 16QAM	
Lowest Channel	
Full RB	
	

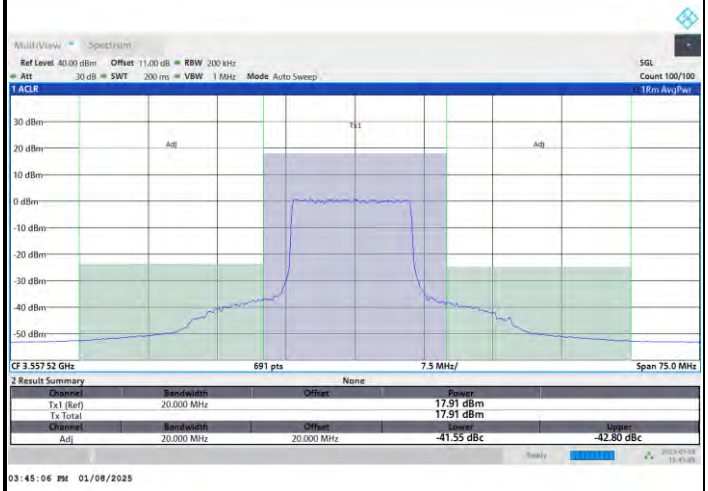
FR1 n48 / 15MHz / DFT-S OFDM / 16QAM	
Middle Channel	
Full RB	
	

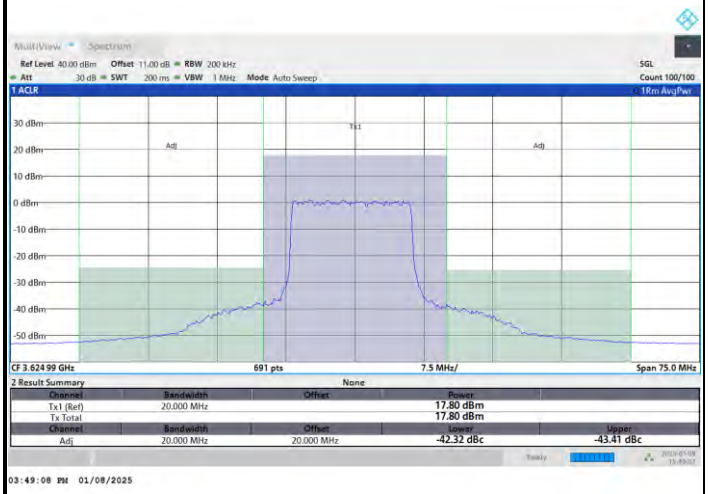
FR1 n48 / 15MHz / DFT-S OFDM / 16QAM	
Highest Channel	
Full RB	
	

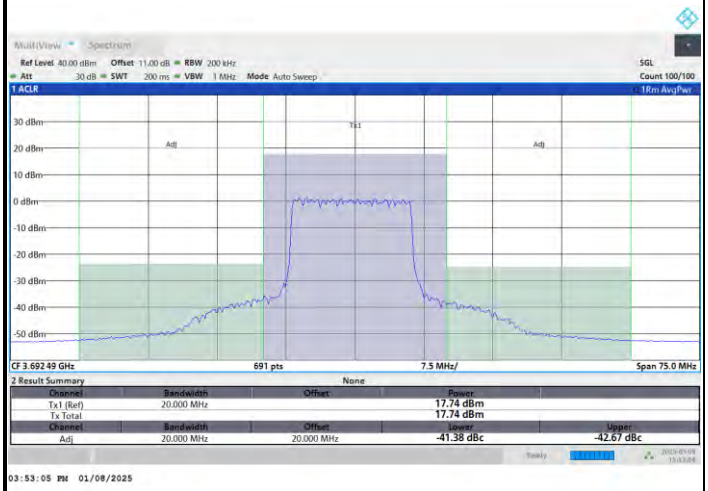
FR1 n48 / 15MHz / DFT-S OFDM / 64QAM	
Lowest Channel	
Full RB	
	

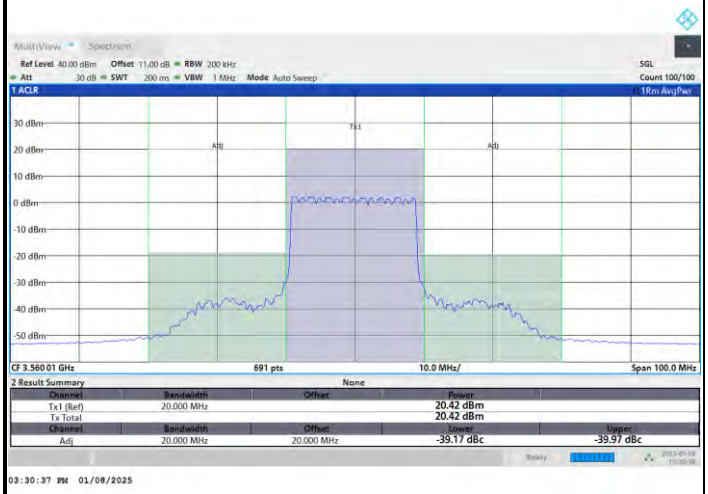
FR1 n48 / 15MHz / DFT-S OFDM / 64QAM	
Middle Channel	
Full RB	
	

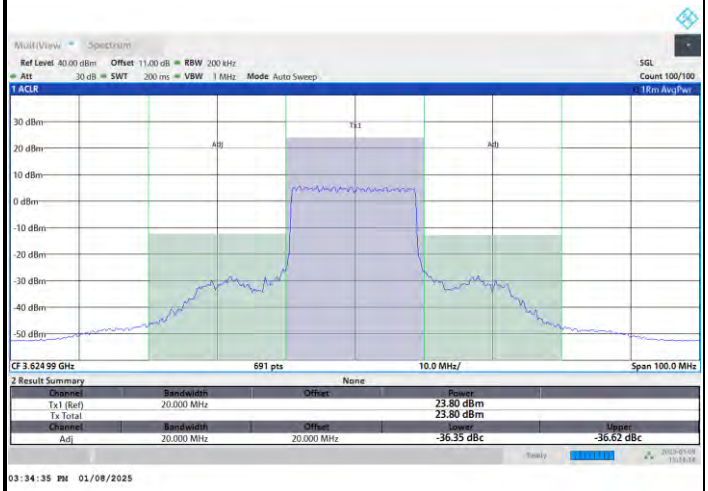
FR1 n48 / 15MHz / DFT-S OFDM / 64QAM	
Highest Channel	
Full RB	
	

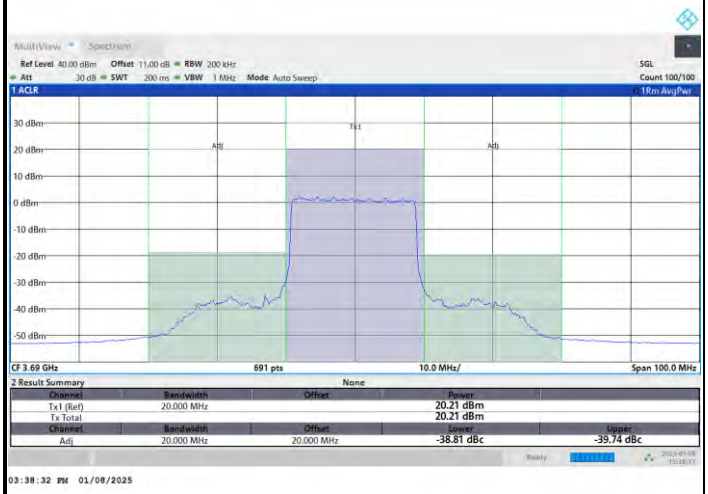
FR1 n48 / 15MHz / DFT-S OFDM / 256QAM	
Lowest Channel	
Full RB	
	

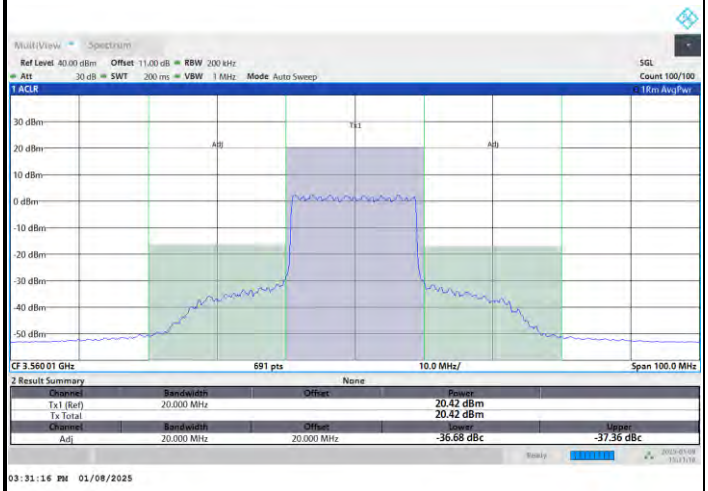
FR1 n48 / 15MHz / DFT-S OFDM / 256QAM	
Middle Channel	
Full RB	
	

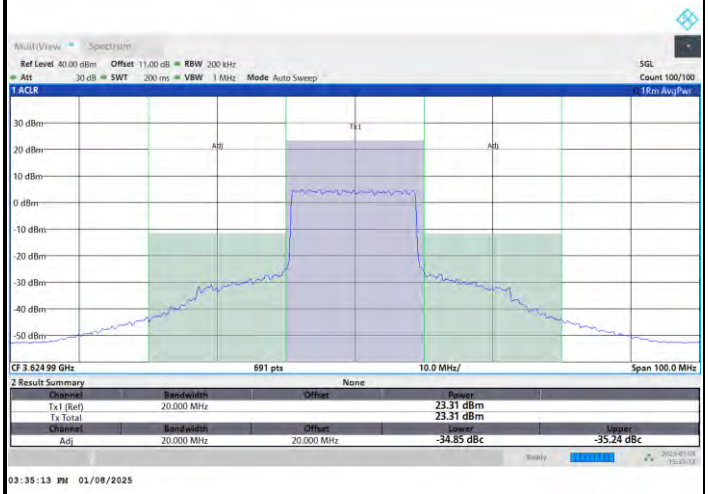
FR1 n48 / 15MHz / DFT-S OFDM / 256QAM	
Highest Channel	
Full RB	
	

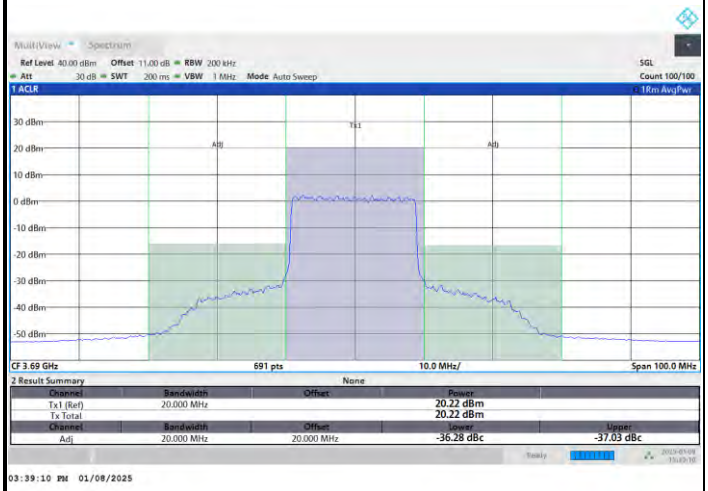
FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Channel	
Full RB	
	

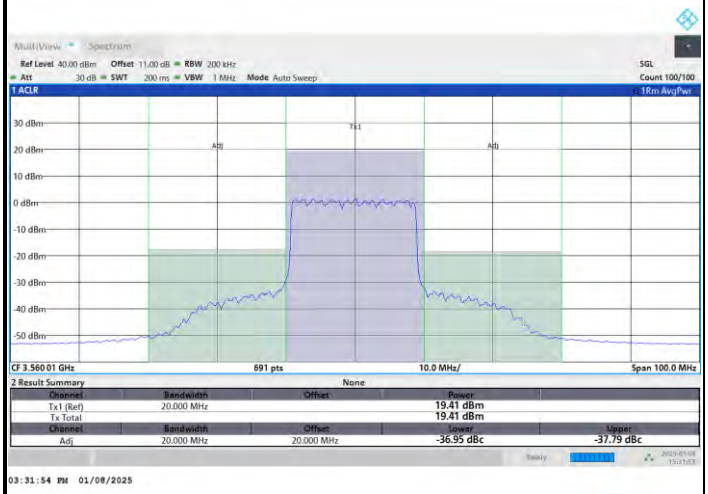
FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK	
Middle Channel	
Full RB	
	

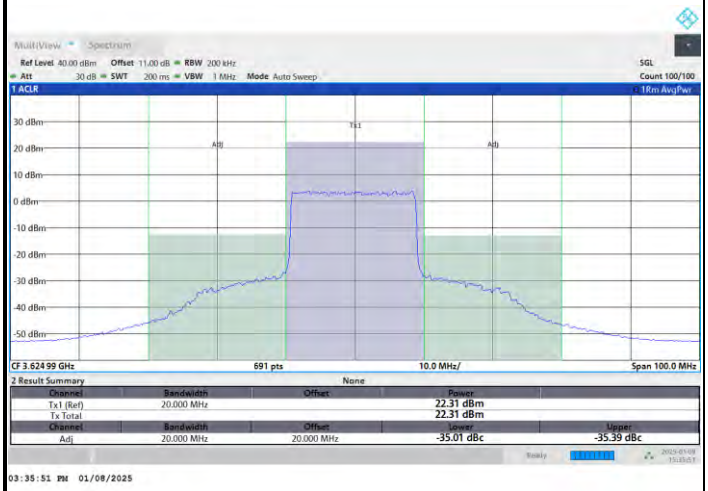
FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK	
Highest Channel	
Full RB	
	

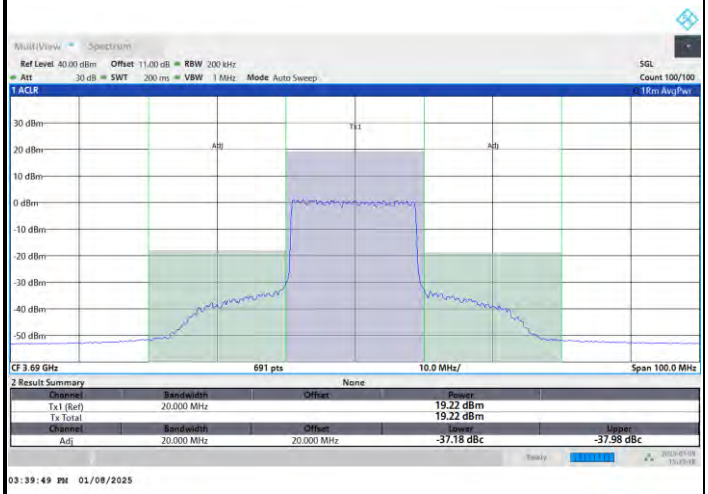
FR1 n48 / 20MHz / DFT-S OFDM / QPSK	
Lowest Channel	
Full RB	
	

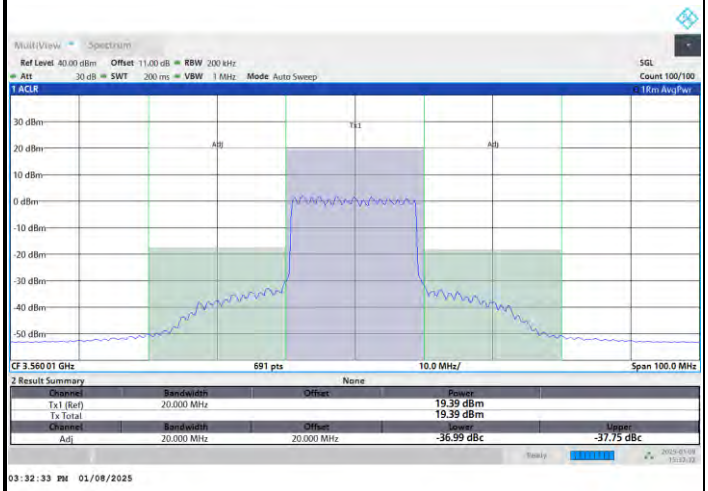
FR1 n48 / 20MHz / DFT-S OFDM / QPSK	
Middle Channel	
Full RB	
	

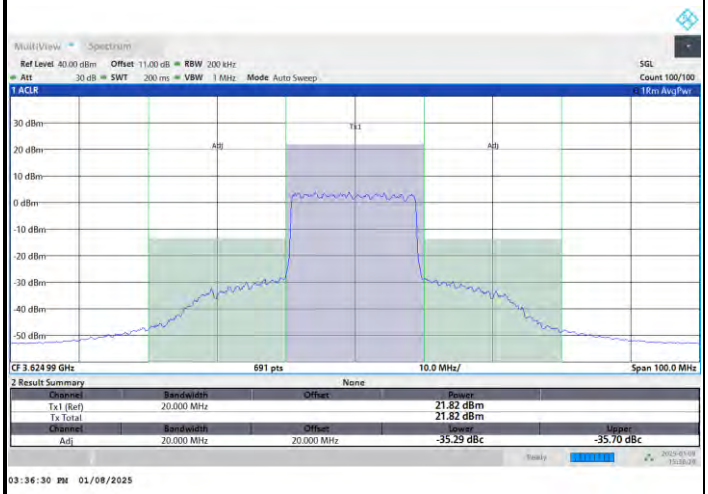
FR1 n48 / 20MHz / DFT-S OFDM / QPSK	
Highest Channel	
Full RB	
	

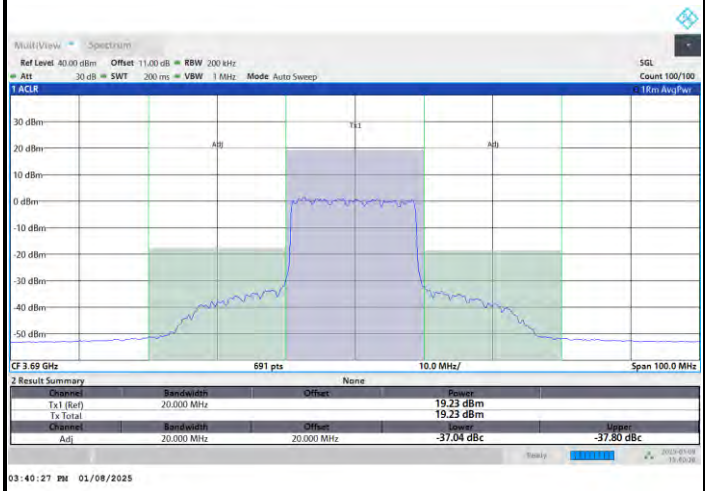
FR1 n48 / 20MHz / DFT-S OFDM / 16QAM	
Lowest Channel	
Full RB	
	

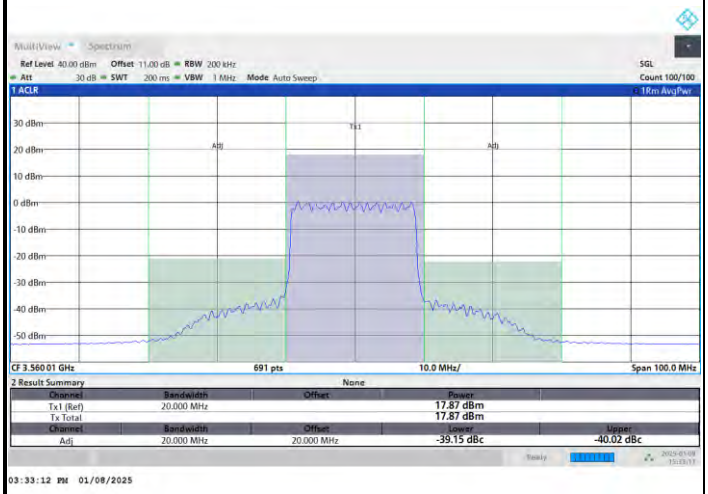
FR1 n48 / 20MHz / DFT-S OFDM / 16QAM	
Middle Channel	
Full RB	
	

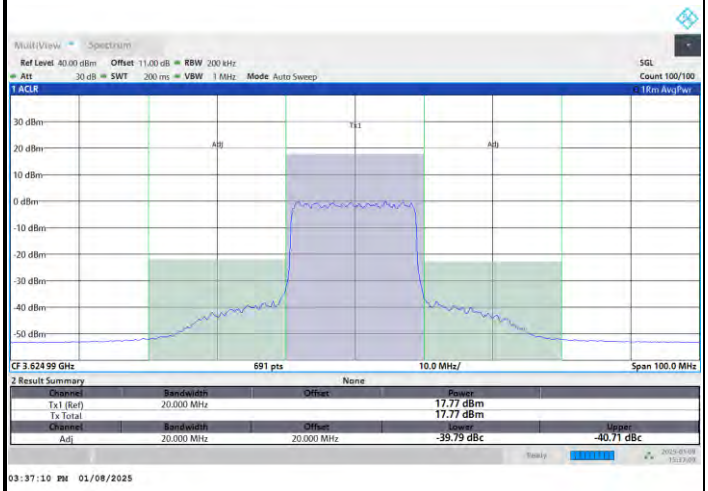
FR1 n48 / 20MHz / DFT-S OFDM / 16QAM	
Highest Channel	
Full RB	
	

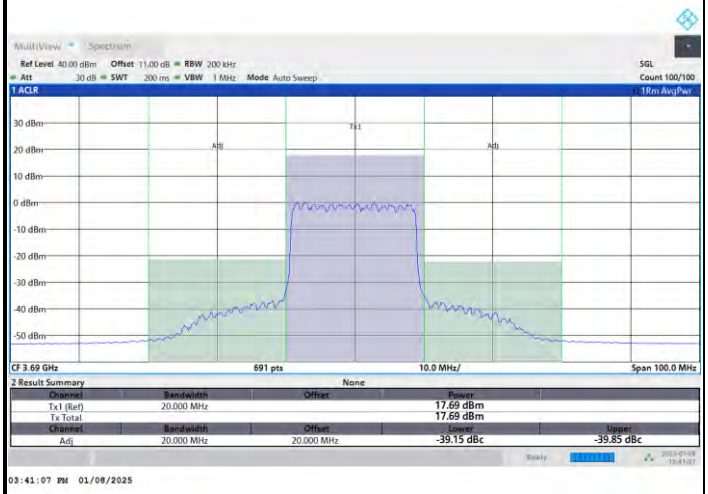
FR1 n48 / 20MHz / DFT-S OFDM / 64QAM	
Lowest Channel	
Full RB	
	

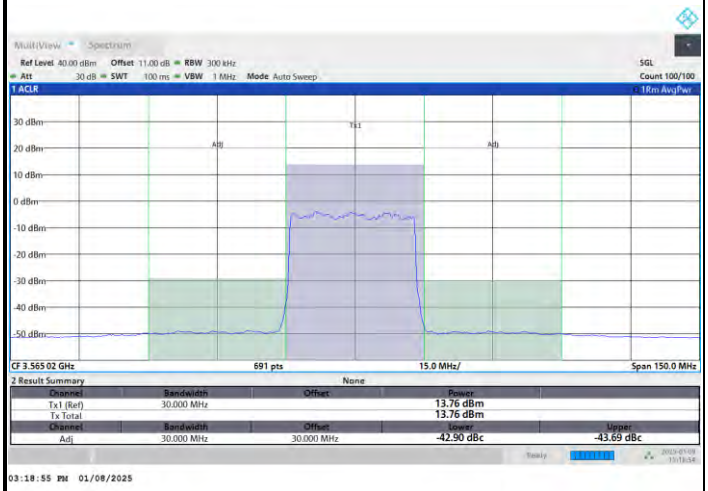
FR1 n48 / 20MHz / DFT-S OFDM / 64QAM	
Middle Channel	
Full RB	
	

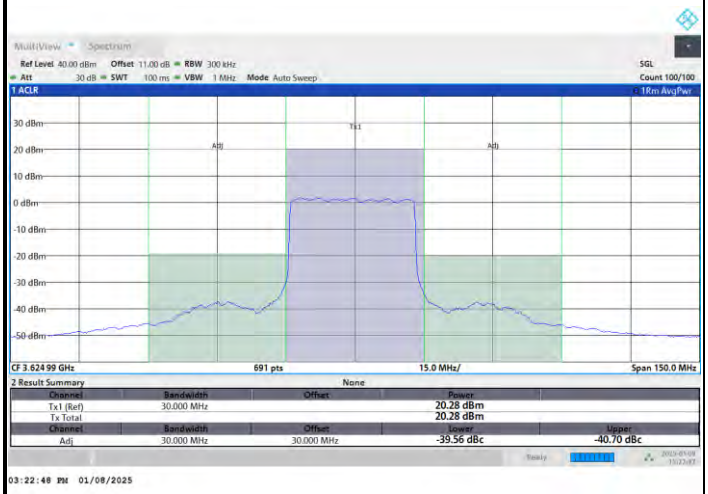
FR1 n48 / 20MHz / DFT-S OFDM / 64QAM	
Highest Channel	
Full RB	
	

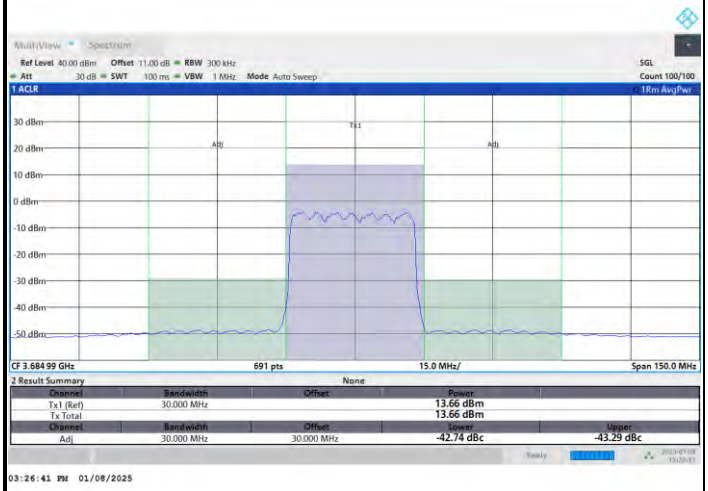
FR1 n48 / 20MHz / DFT-S OFDM / 256QAM	
Lowest Channel	
Full RB	
	

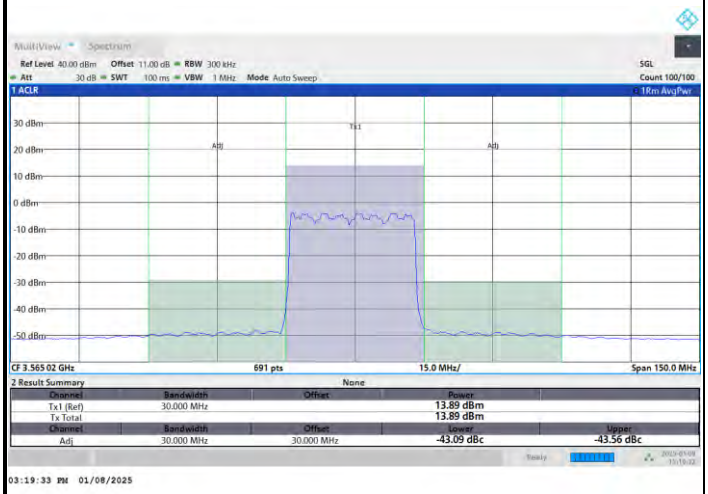
FR1 n48 / 20MHz / DFT-S OFDM / 256QAM	
Middle Channel	
Full RB	
	

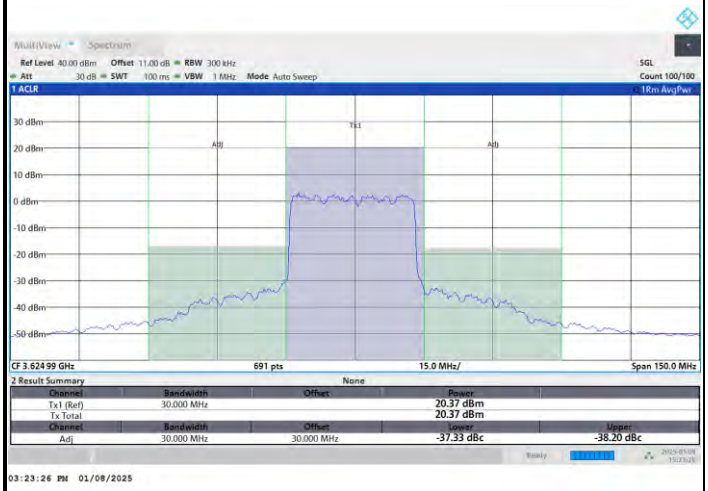
FR1 n48 / 20MHz / DFT-S OFDM / 256QAM	
Highest Channel	
Full RB	
	

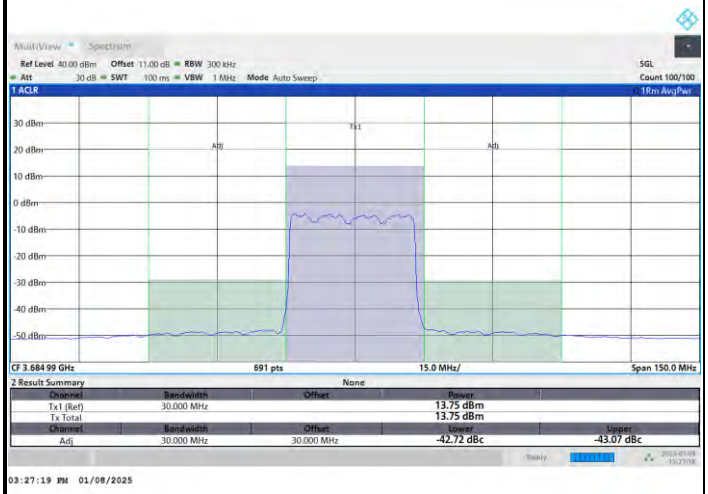
FR1 n48 / 30MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Channel	
Full RB	
	

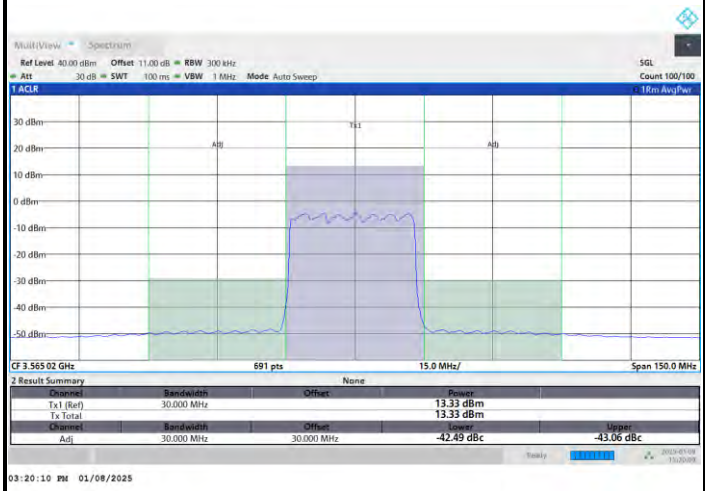
FR1 n48 / 30MHz / DFT-S OFDM / PI/2 BPSK	
Middle Channel	
Full RB	
	

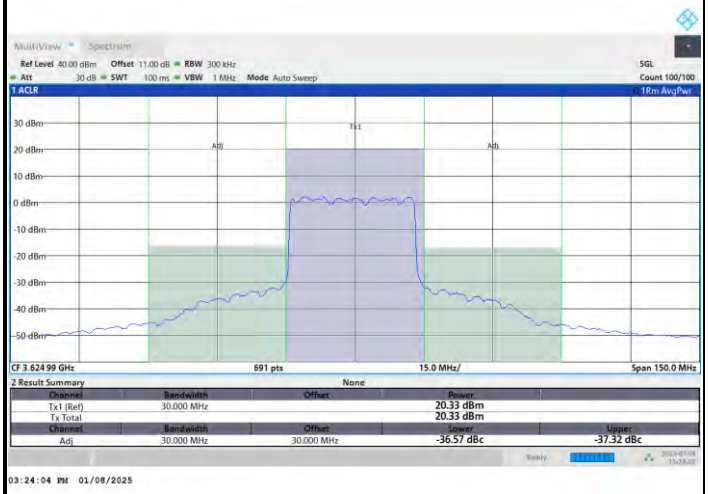
FR1 n48 / 30MHz / DFT-S OFDM / PI/2 BPSK	
Highest Channel	
Full RB	
	

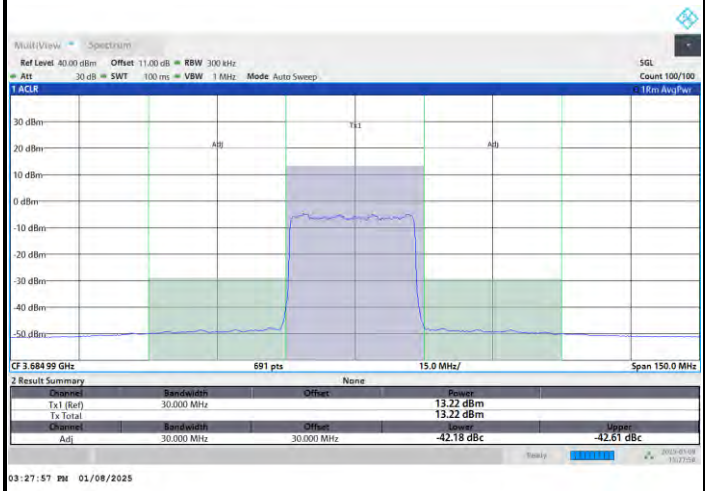
FR1 n48 / 30MHz / DFT-S OFDM / QPSK	
Lowest Channel	
Full RB	
	

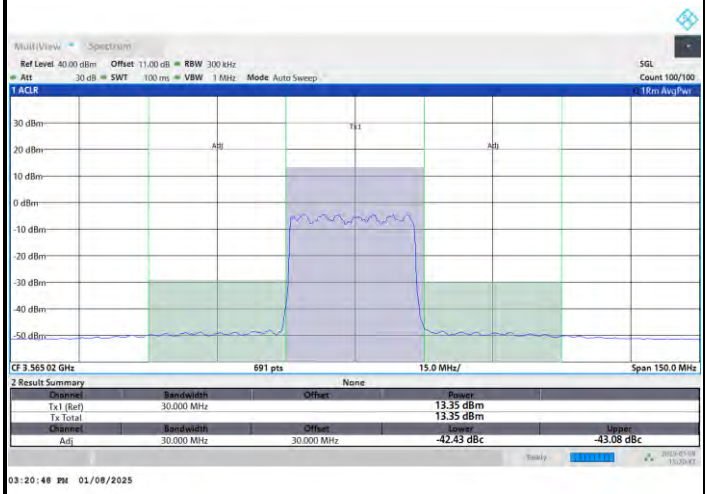
FR1 n48 / 30MHz / DFT-S OFDM / QPSK	
Middle Channel	
Full RB	
	

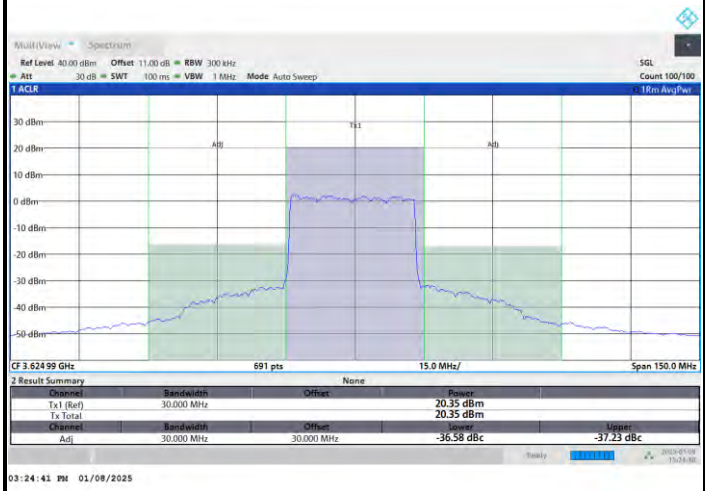
FR1 n48 / 30MHz / DFT-S OFDM / QPSK	
Highest Channel	
Full RB	
	

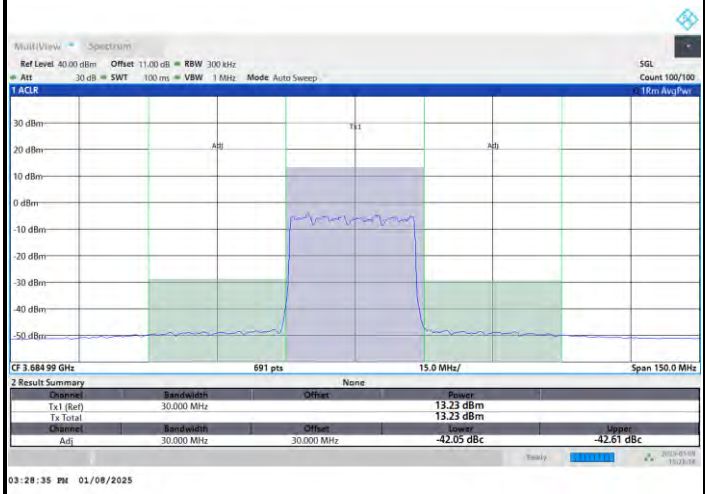
FR1 n48 / 30MHz / DFT-S OFDM / 16QAM	
Lowest Channel	
Full RB	
	

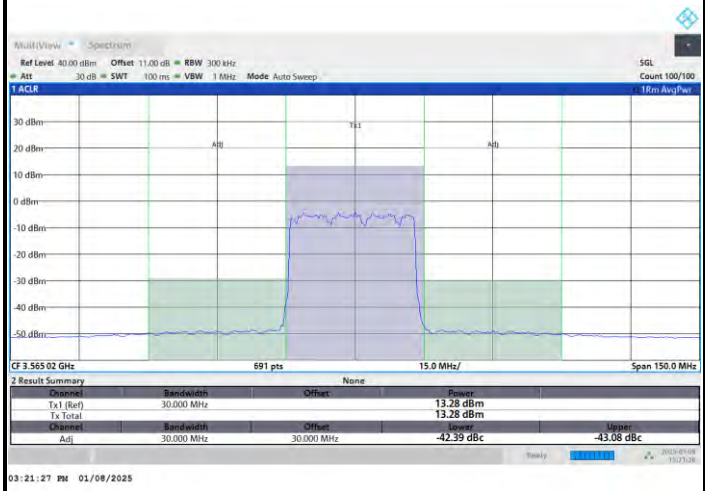
FR1 n48 / 30MHz / DFT-S OFDM / 16QAM	
Middle Channel	
Full RB	
	

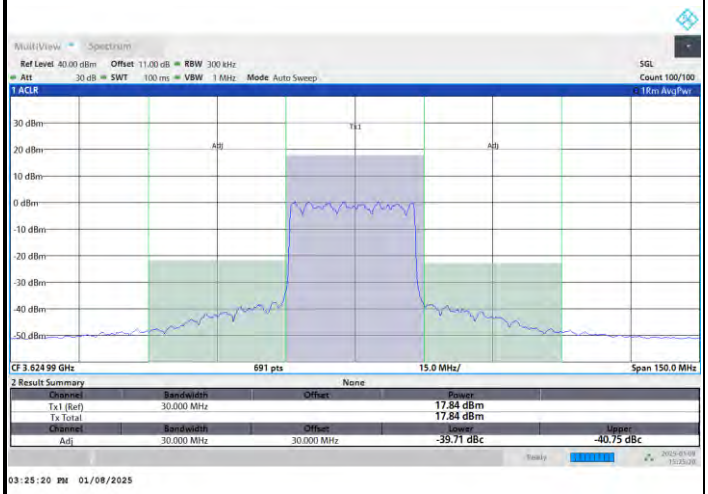
FR1 n48 / 30MHz / DFT-S OFDM / 16QAM	
Highest Channel	
Full RB	
	

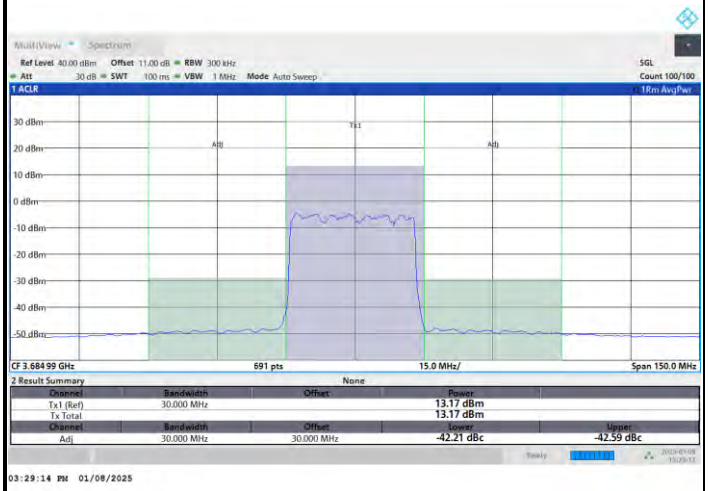
FR1 n48 / 30MHz / DFT-S OFDM / 64QAM	
Lowest Channel	
Full RB	
	

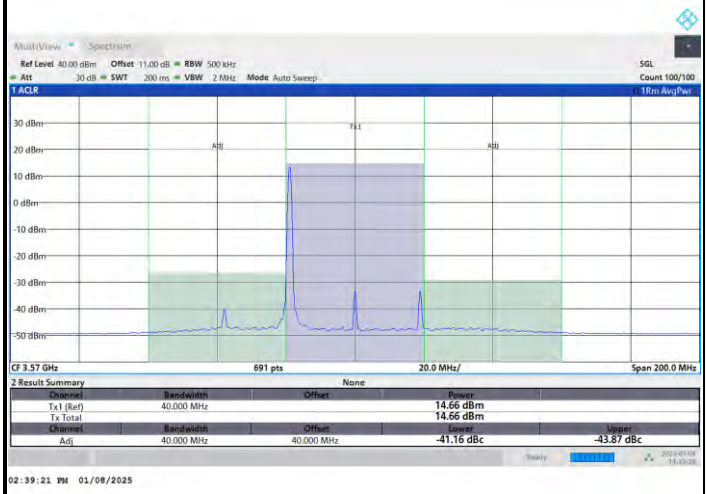
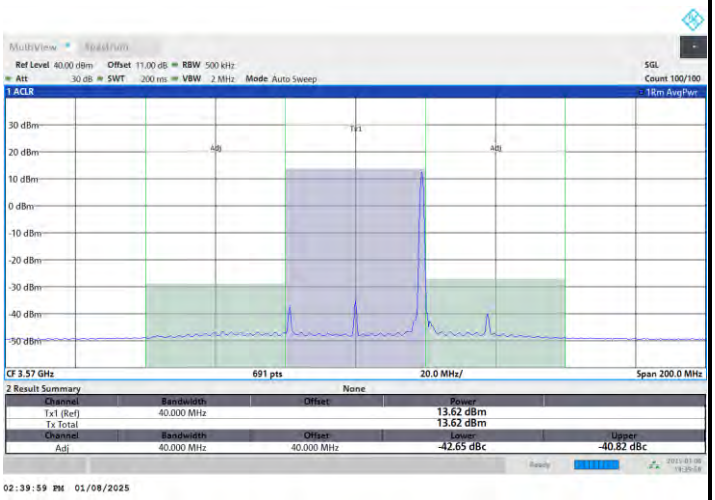
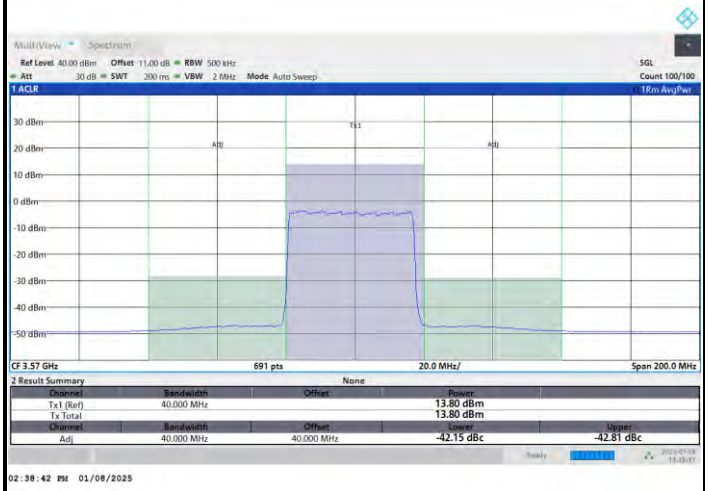
FR1 n48 / 30MHz / DFT-S OFDM / 64QAM	
Middle Channel	
Full RB	
	

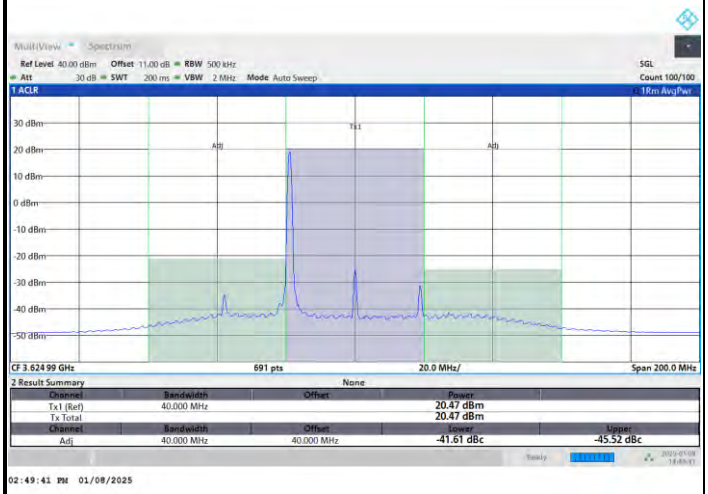
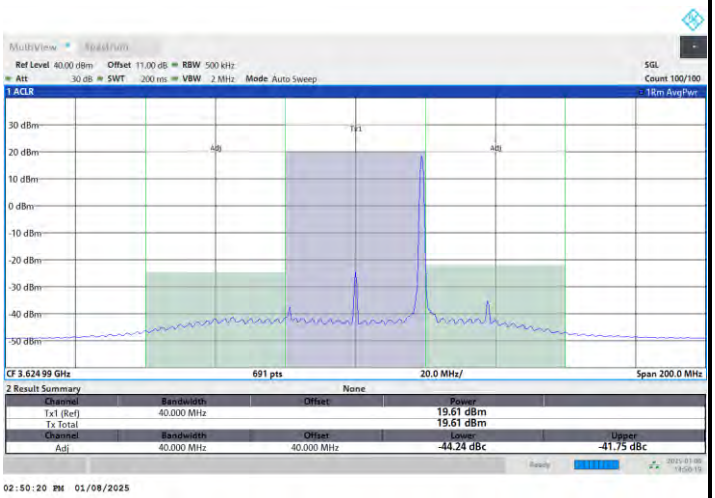
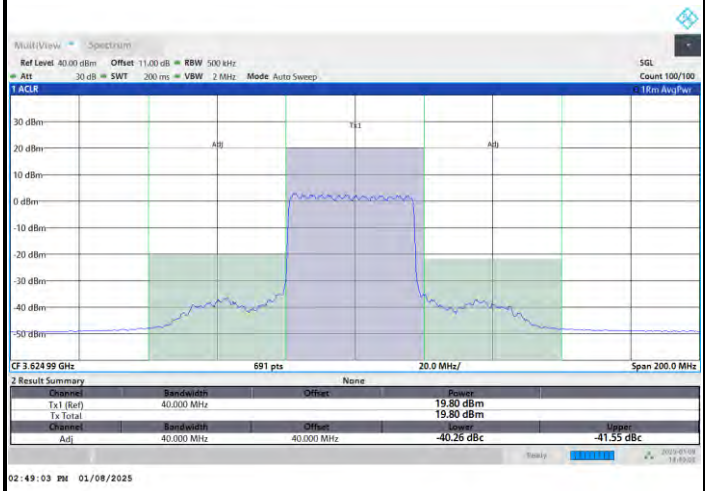
FR1 n48 / 30MHz / DFT-S OFDM / 64QAM	
Highest Channel	
Full RB	
	

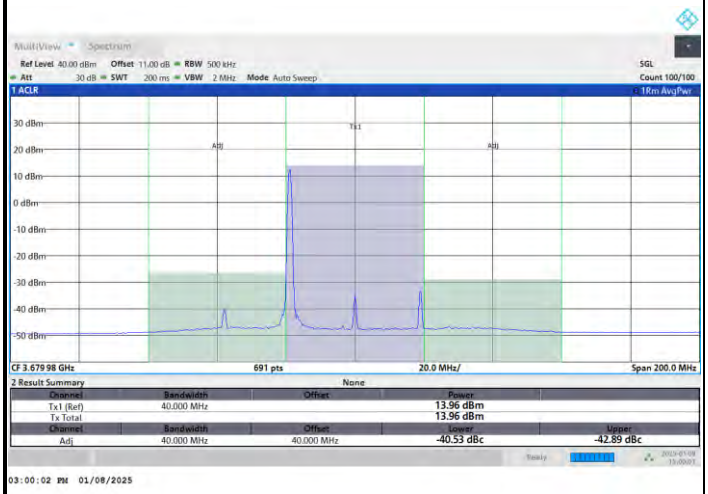
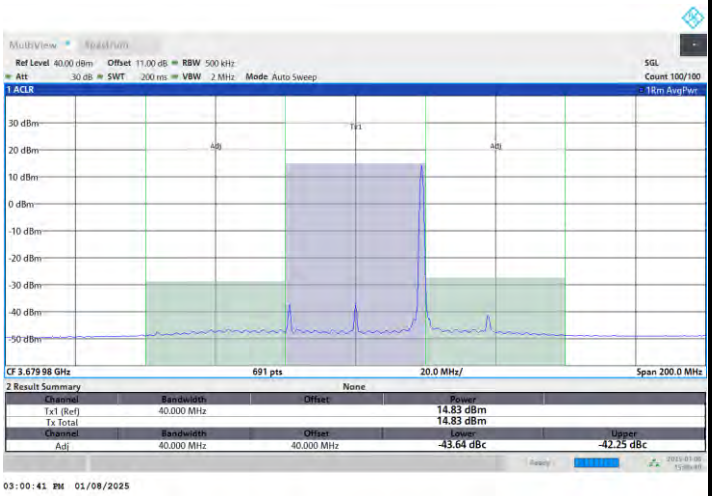
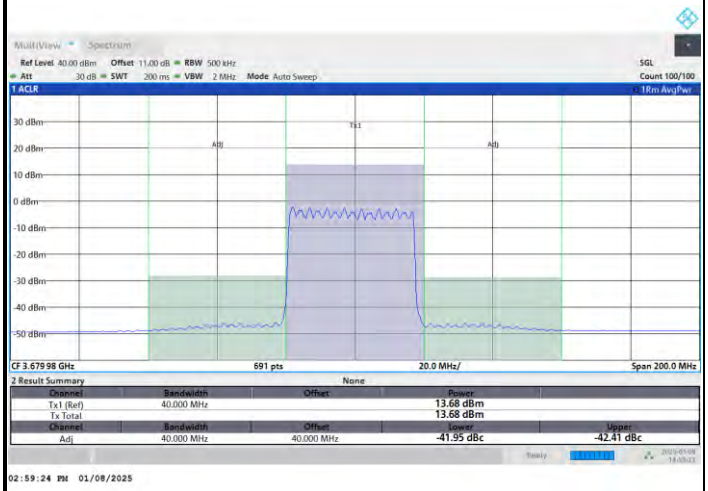
FR1 n48 / 30MHz / DFT-S OFDM / 256QAM	
Lowest Channel	
Full RB	
	

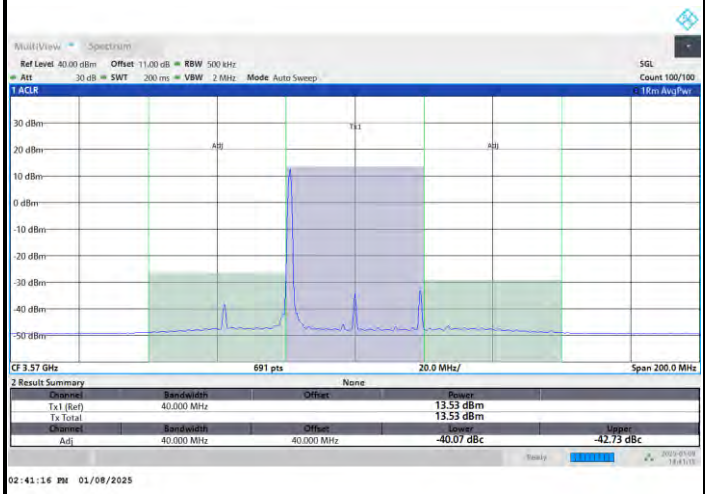
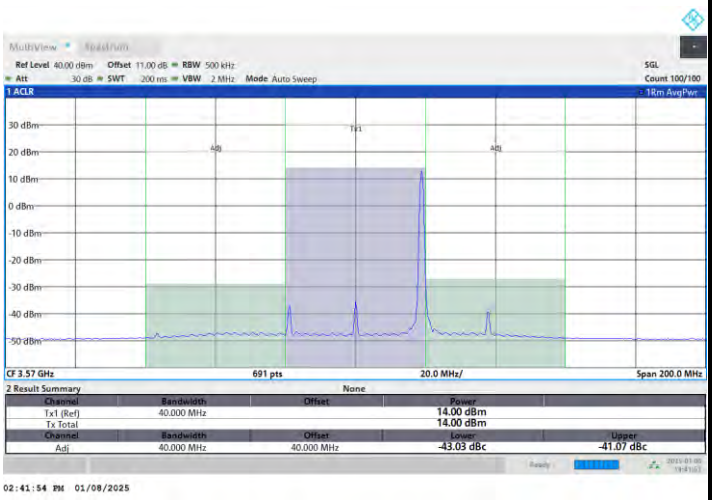
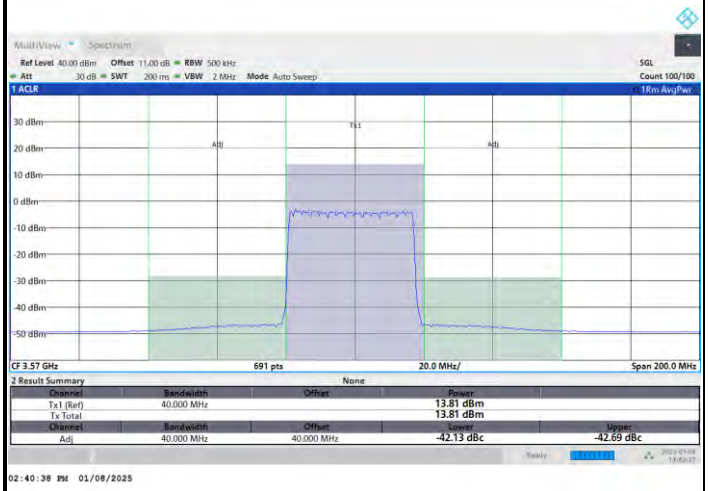
FR1 n48 / 30MHz / DFT-S OFDM / 256QAM	
Middle Channel	
Full RB	
	

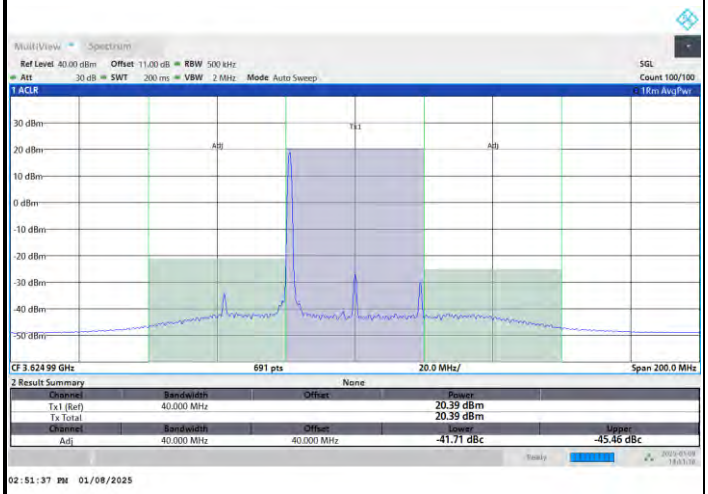
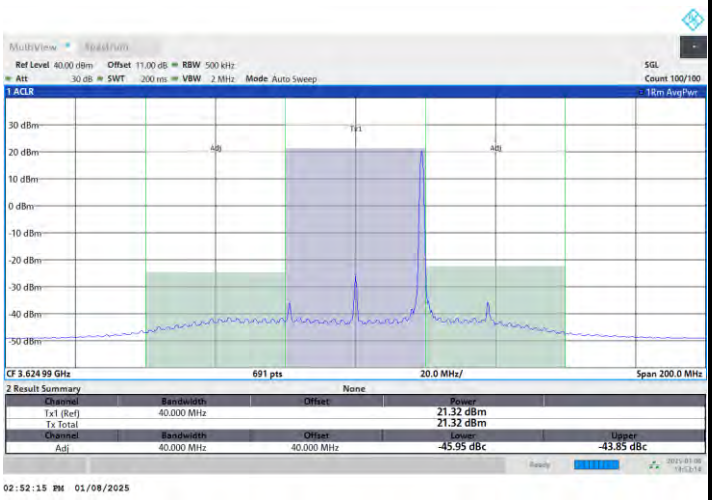
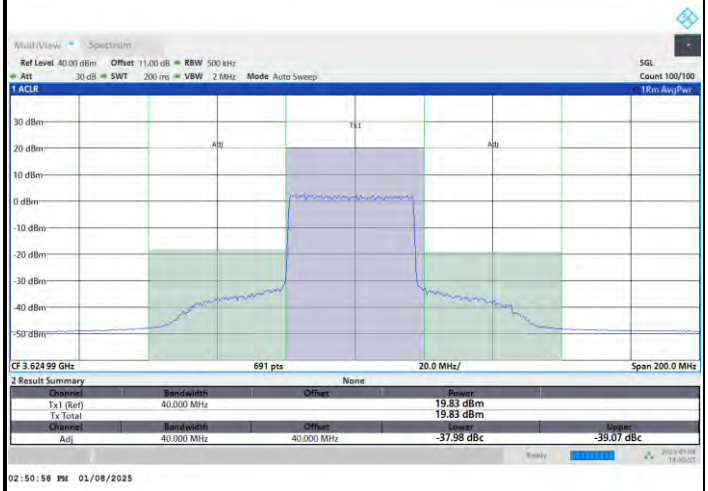
FR1 n48 / 30MHz / DFT-S OFDM / 256QAM	
Highest Channel	
Full RB	
	

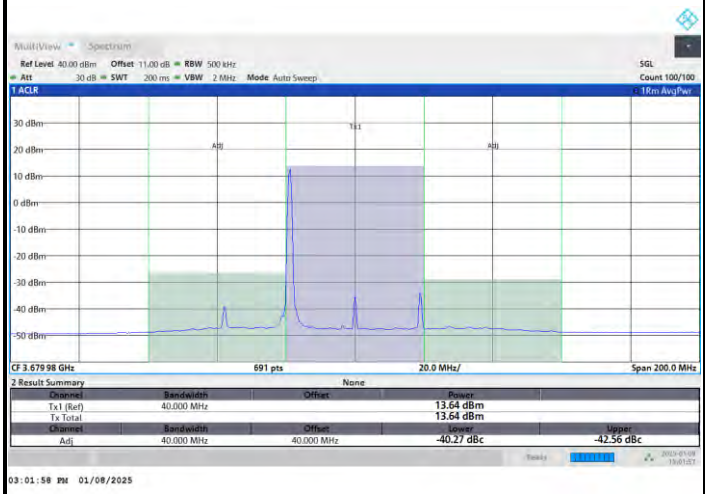
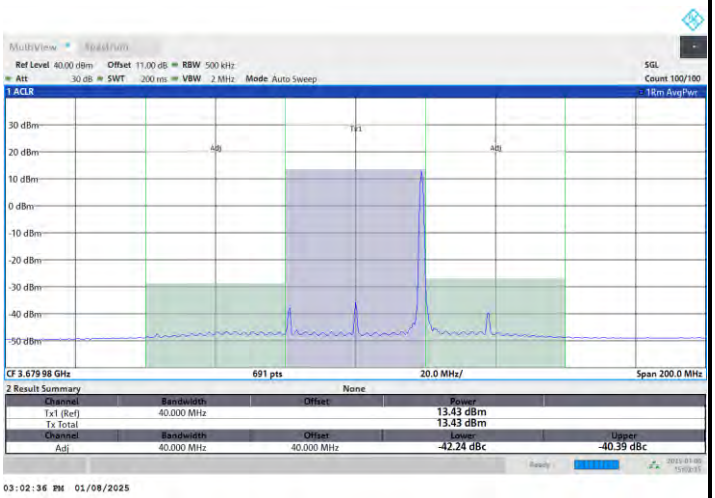
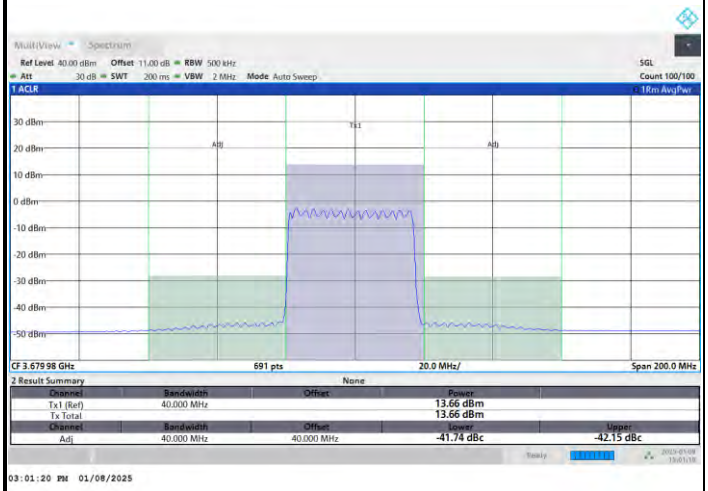
FR1 n48 / 40MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

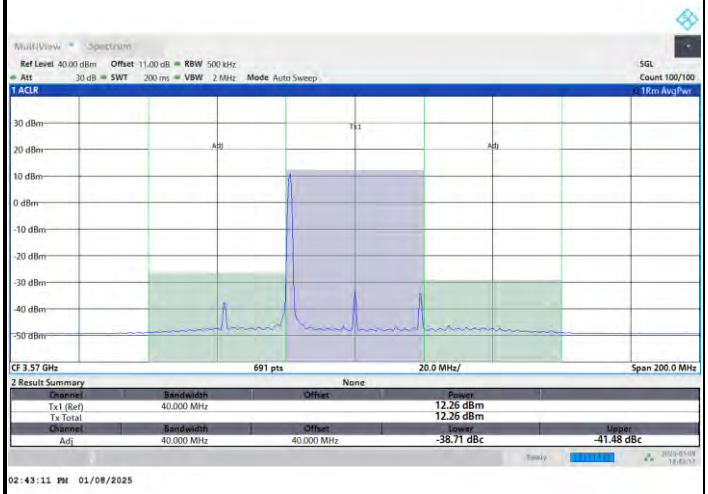
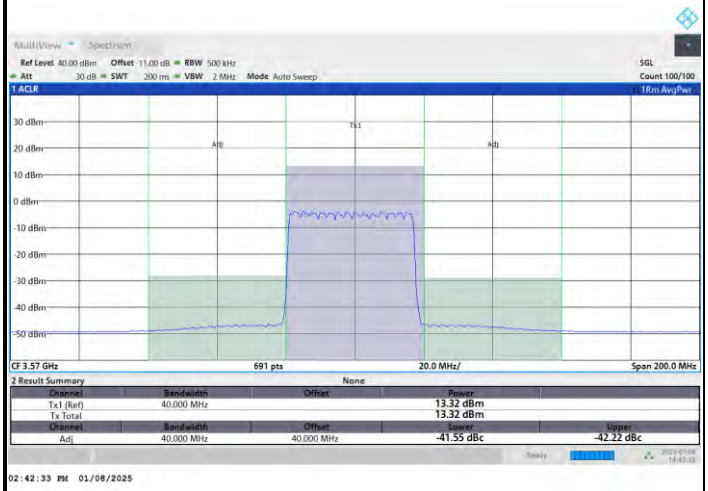
FR1 n48 / 40MHz / DFT-S OFDM / PI/2 BPSK	
Middle Channel	
1RB0	1RBmax
	
Full RB	
	

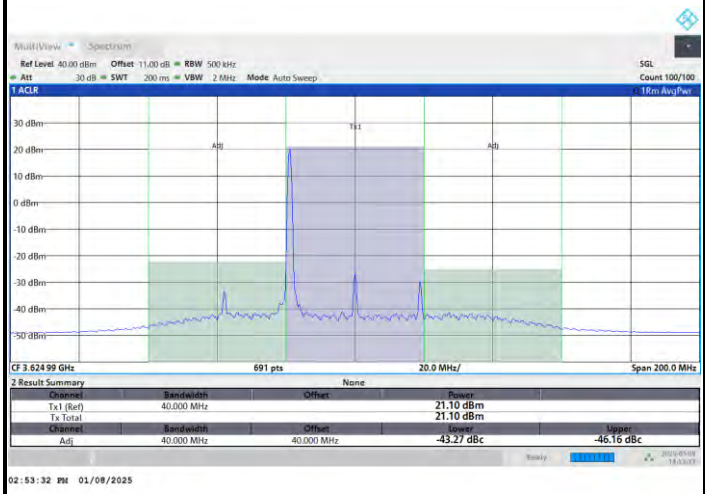
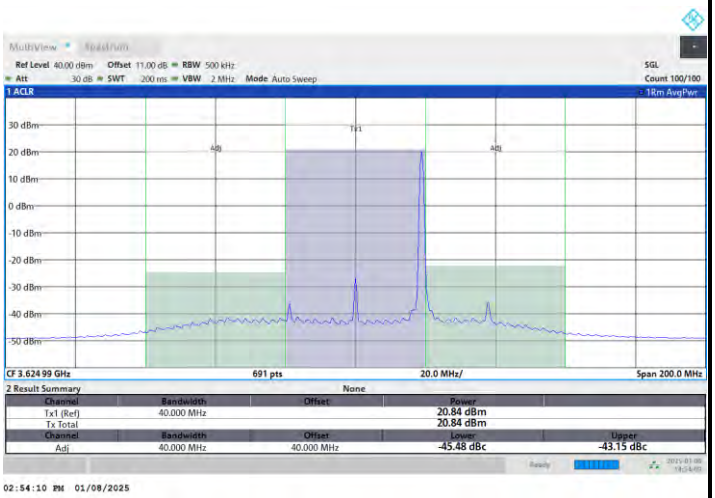
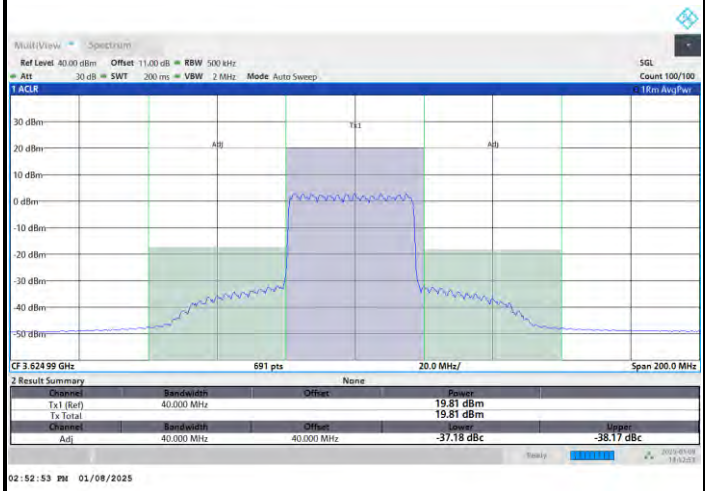
FR1 n48 / 40MHz / DFT-S OFDM / PI/2 BPSK	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

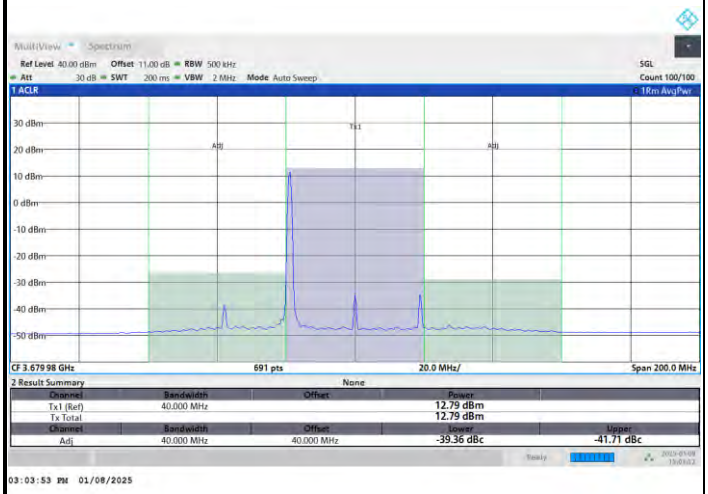
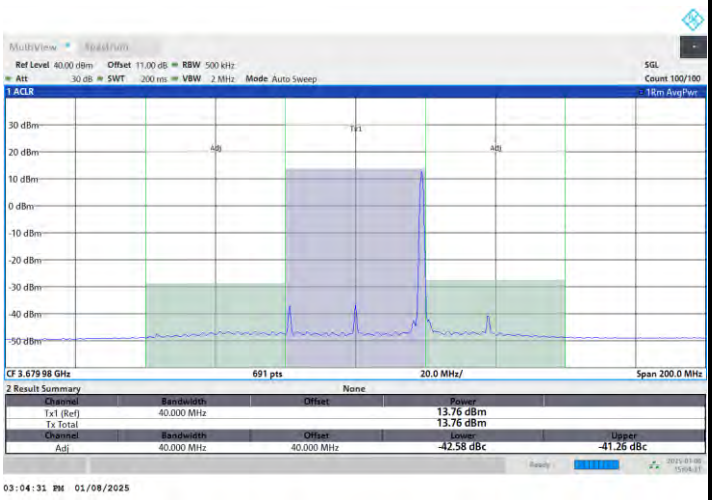
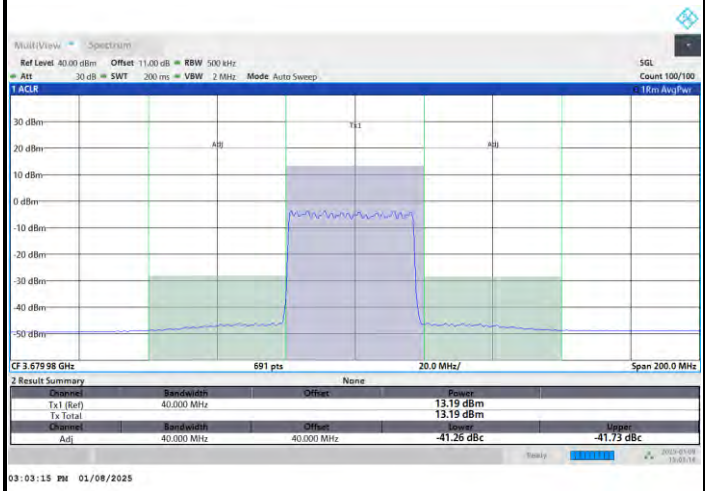
FR1 n48 / 40MHz / DFT-S OFDM / QPSK	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

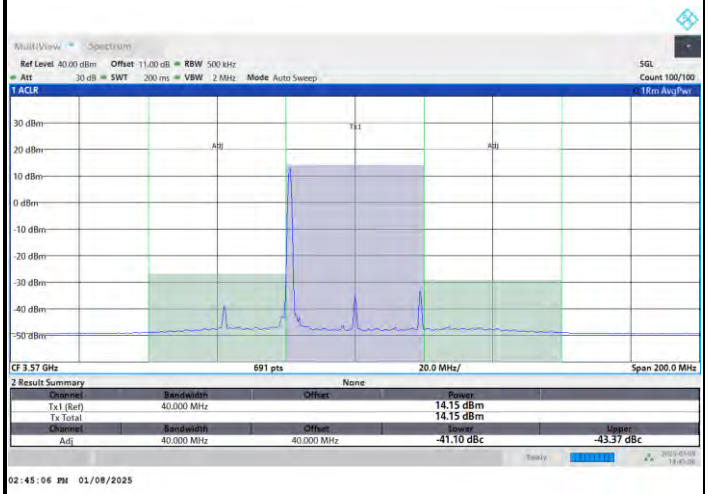
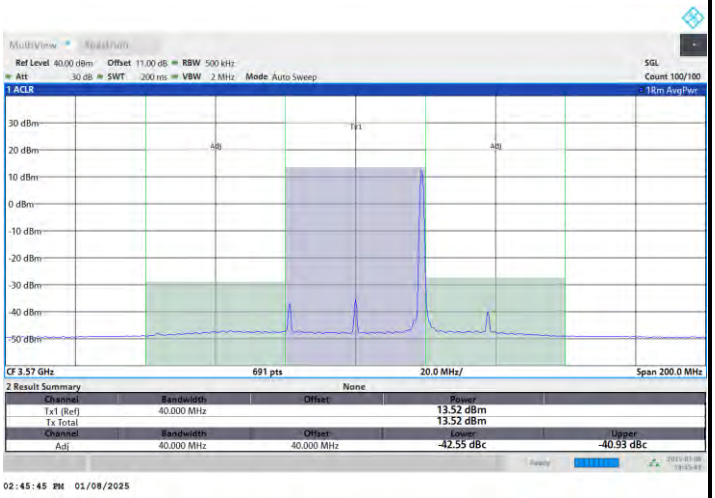
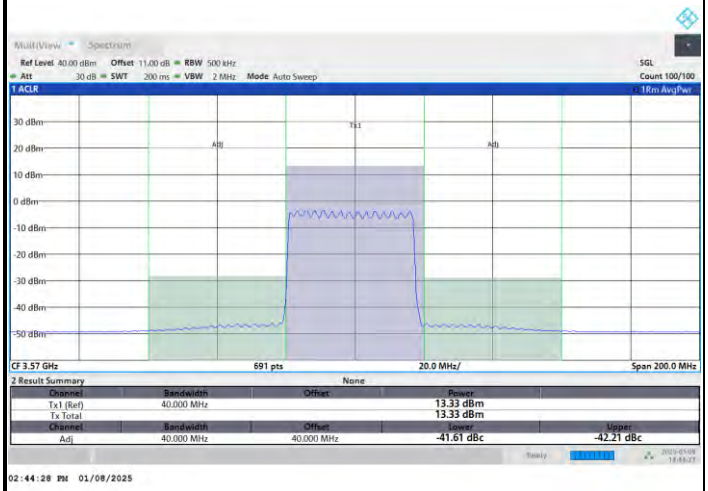
FR1 n48 / 40MHz / DFT-S OFDM / QPSK	
Middle Channel	
1RB0	1RBmax
	
Full RB	
	

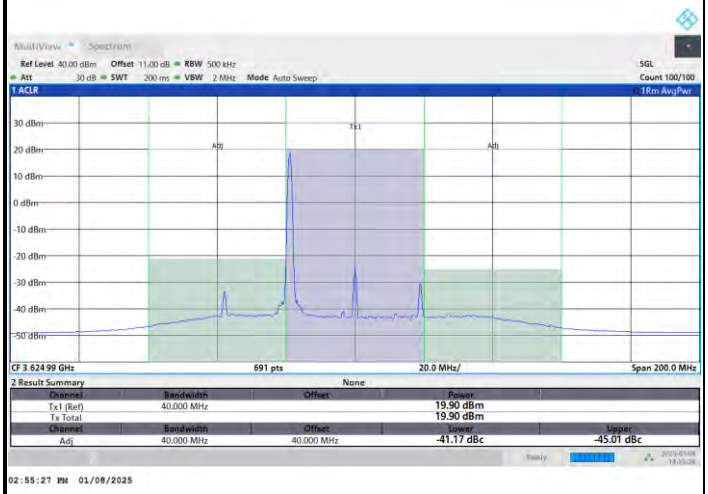
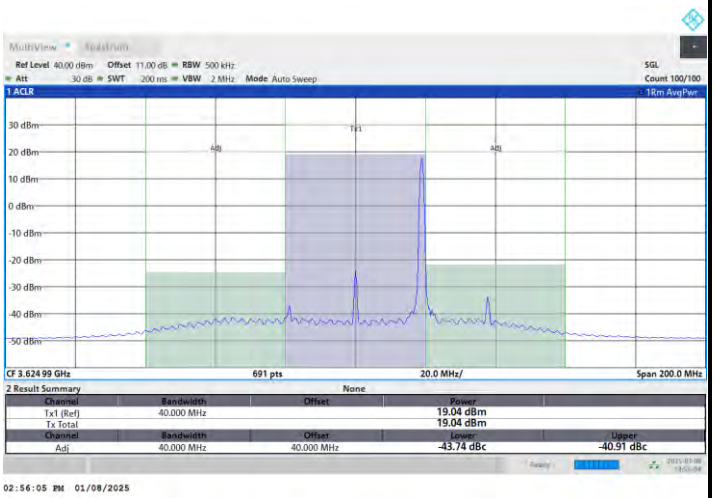
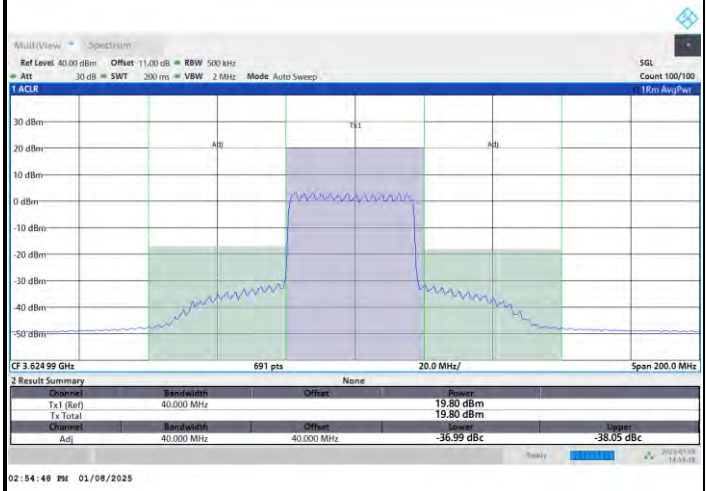
FR1 n48 / 40MHz / DFT-S OFDM / QPSK	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

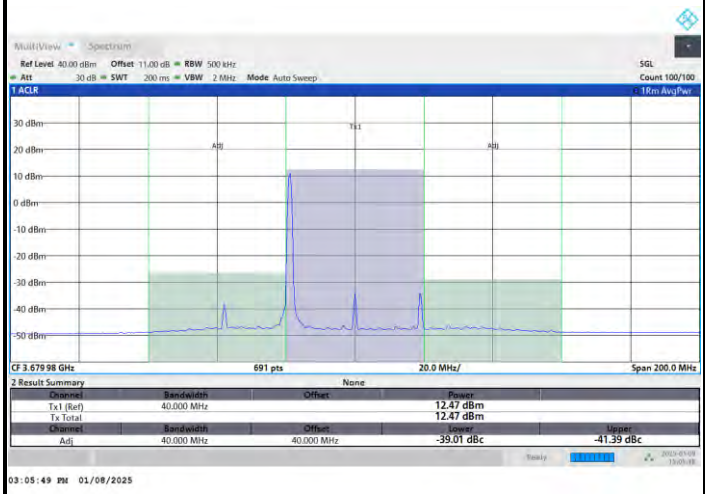
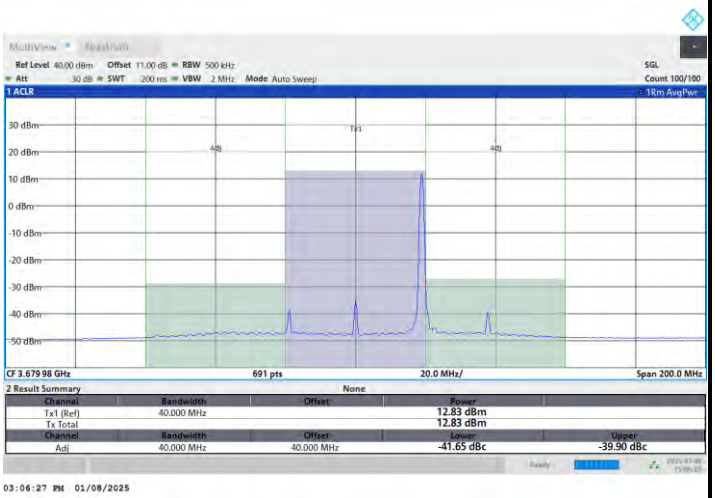
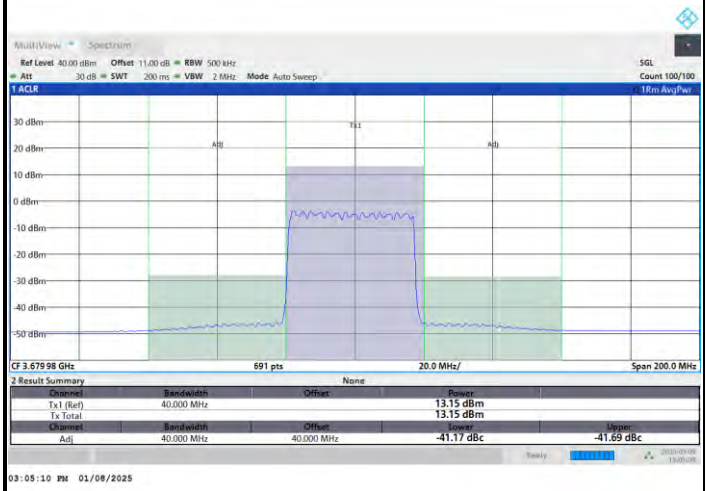
FR1 n48 / 40MHz / DFT-S OFDM / 16QAM	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

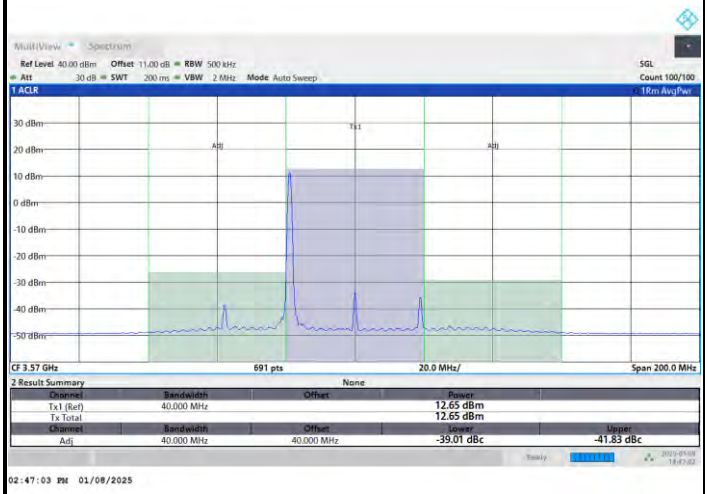
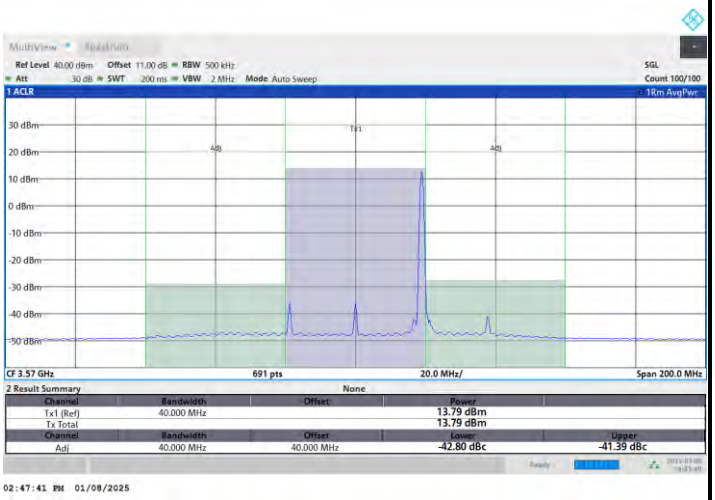
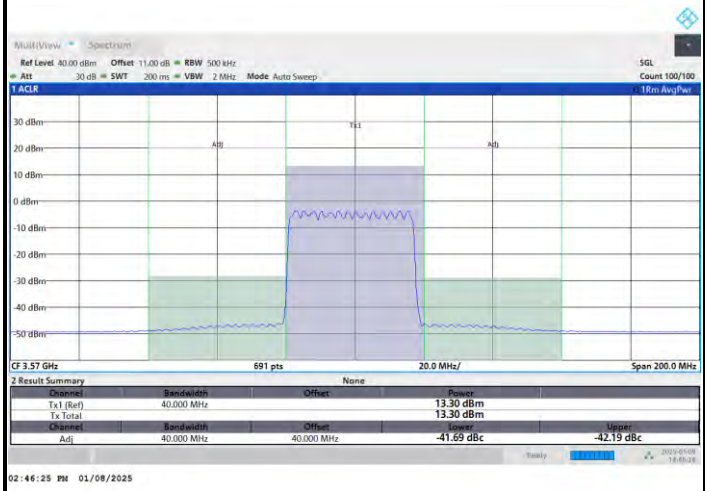
FR1 n48 / 40MHz / DFT-S OFDM / 16QAM	
Middle Channel	
1RB0	1RBmax
	
Full RB	
	

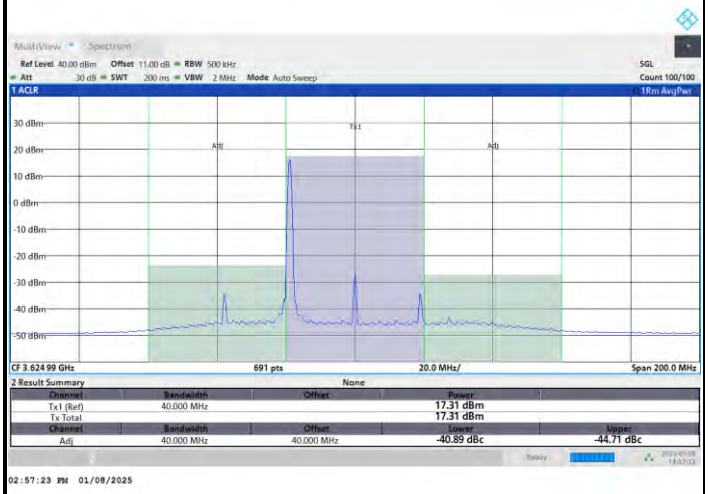
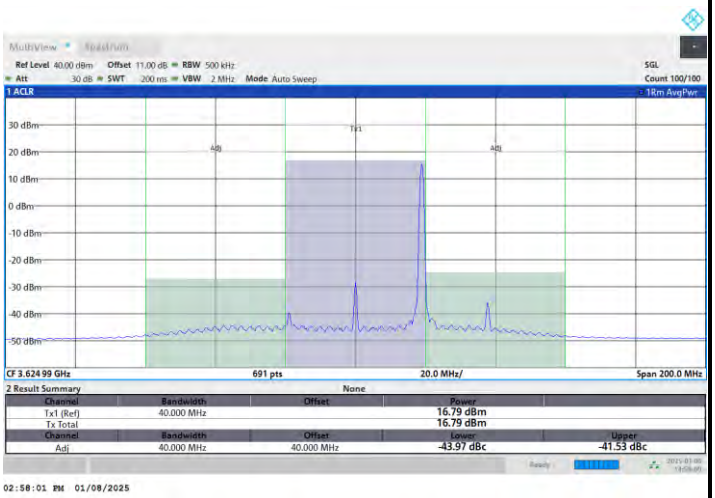
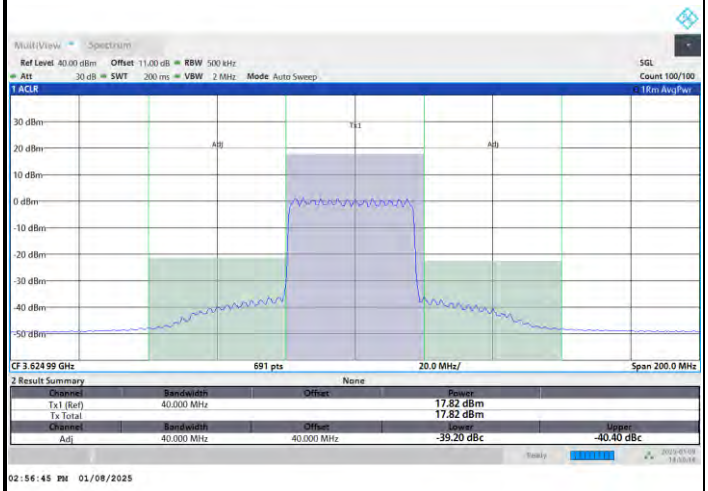
FR1 n48 / 40MHz / DFT-S OFDM / 16QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

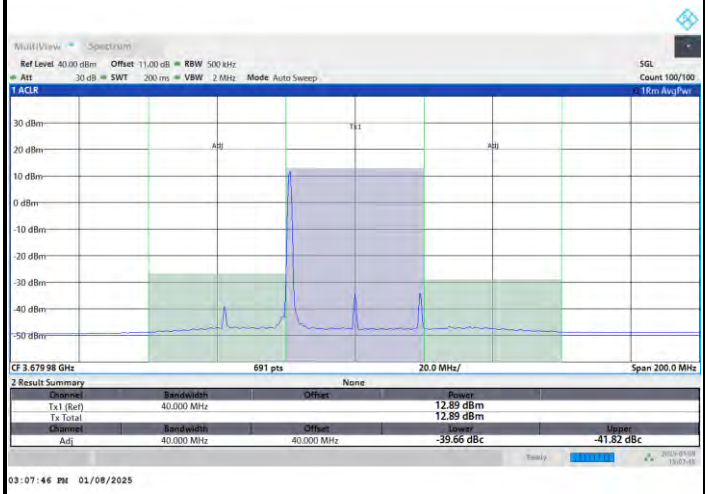
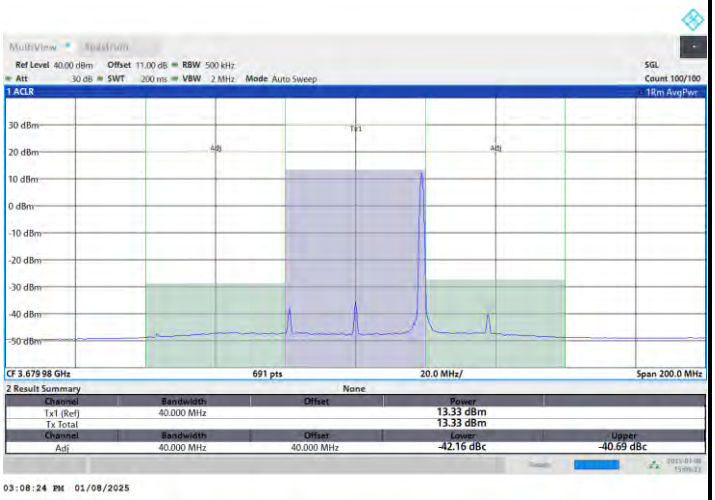
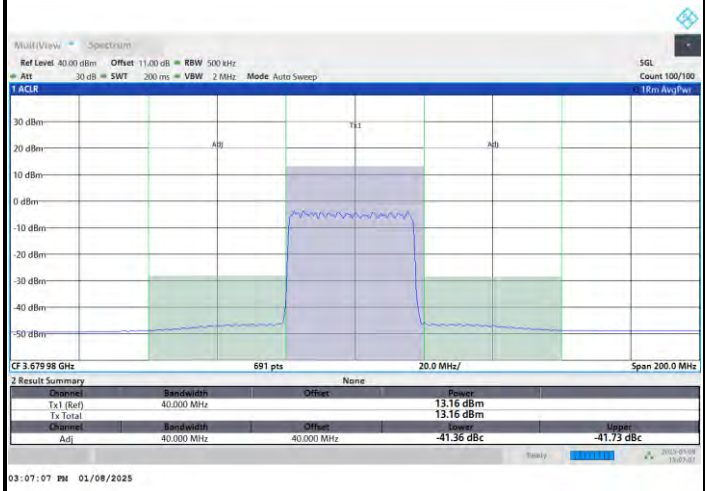
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

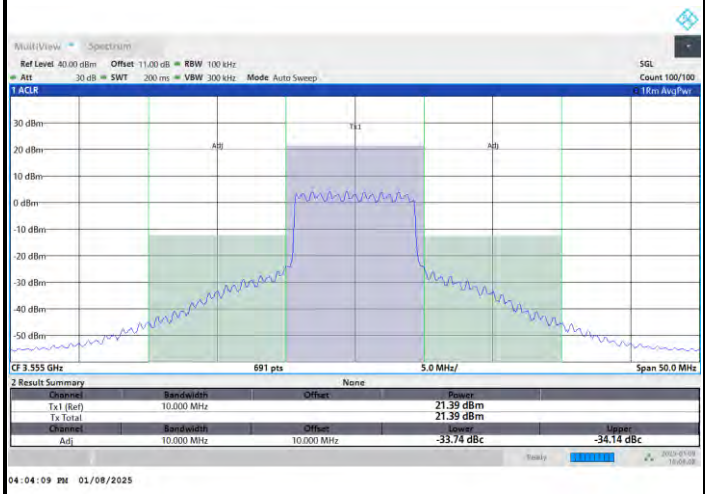
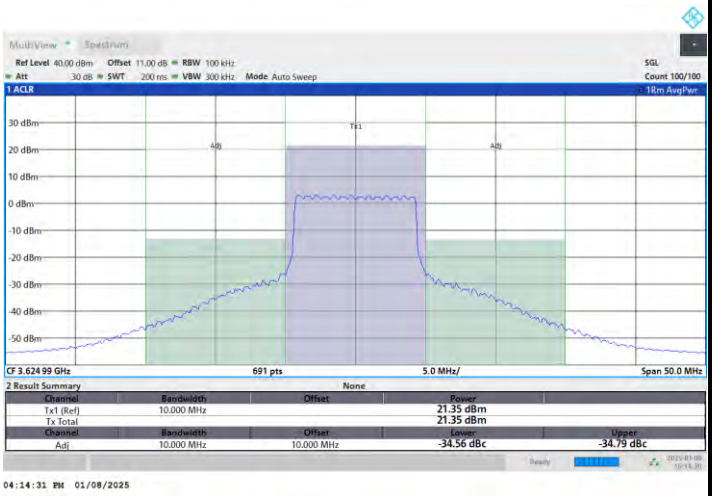
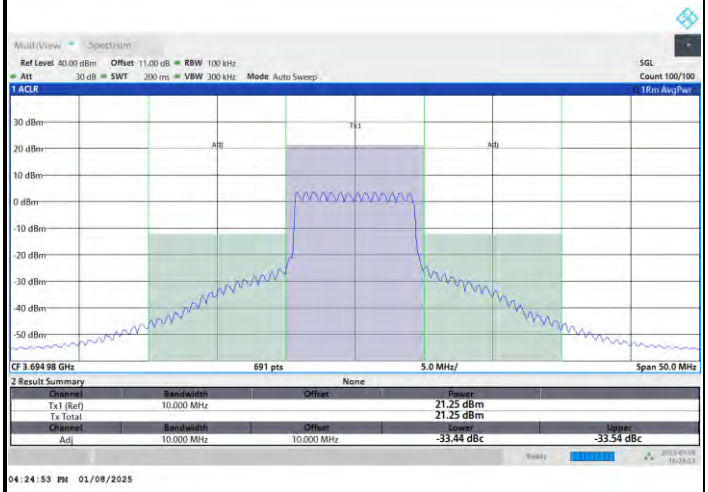
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM	
Middle Channel	
1RB0	1RBmax
	
Full RB	
	

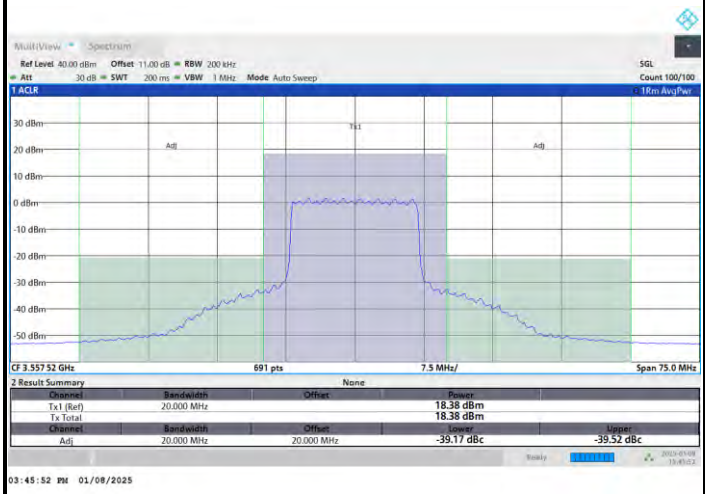
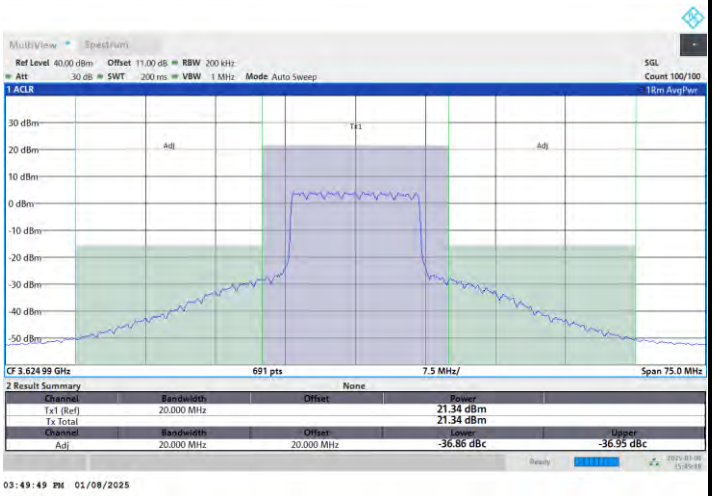
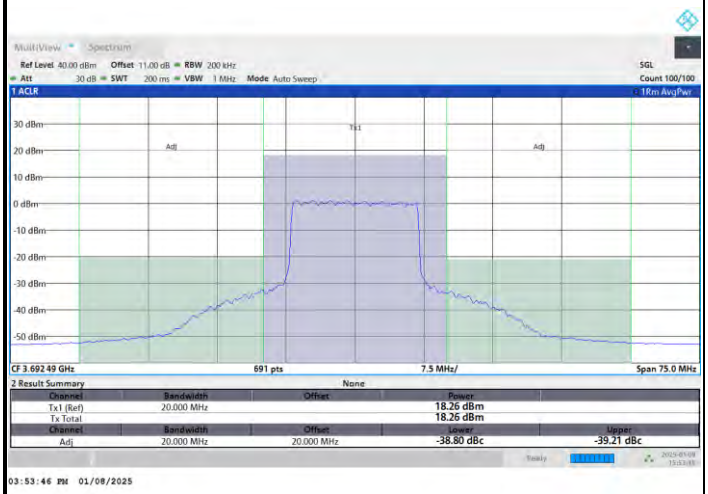
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

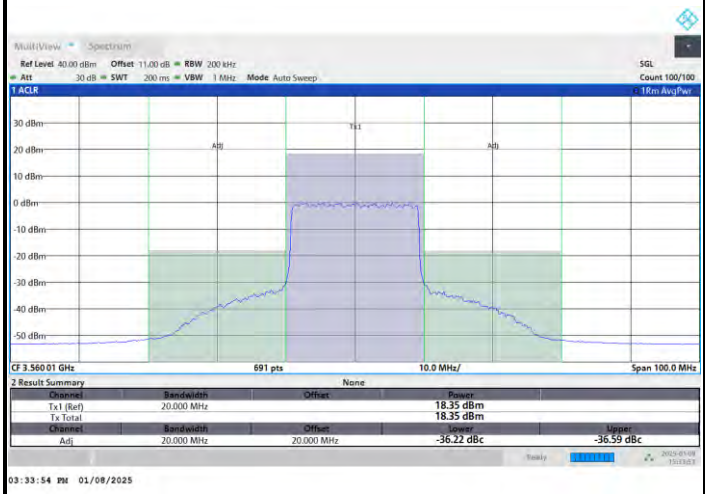
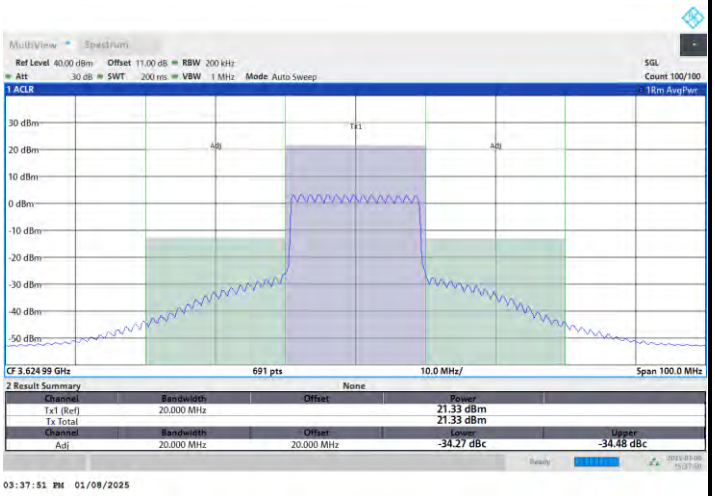
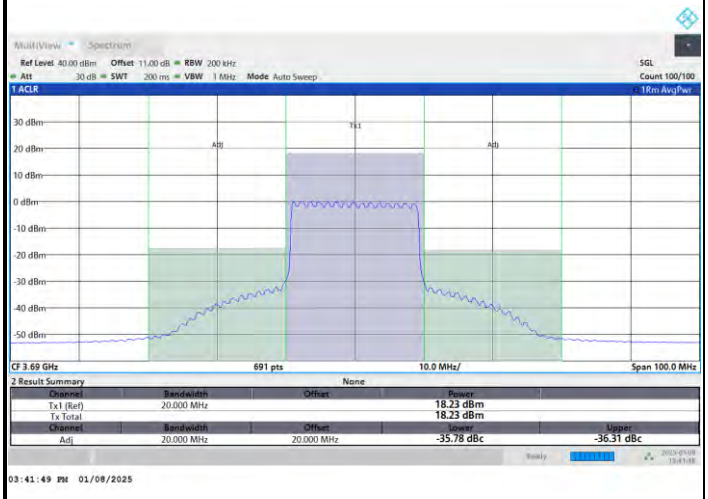
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

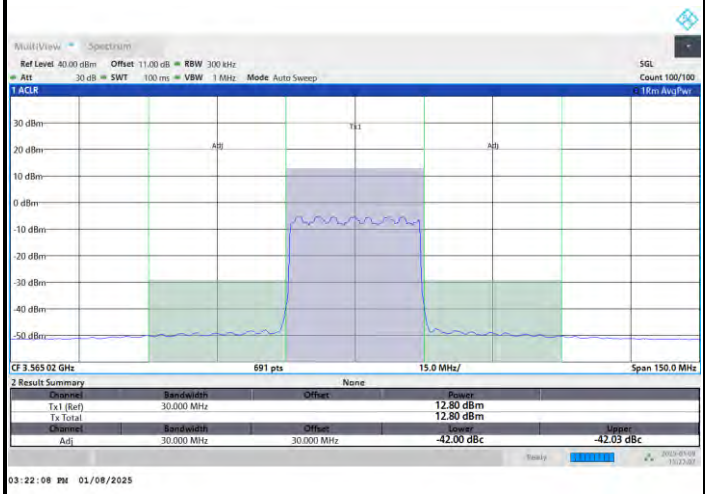
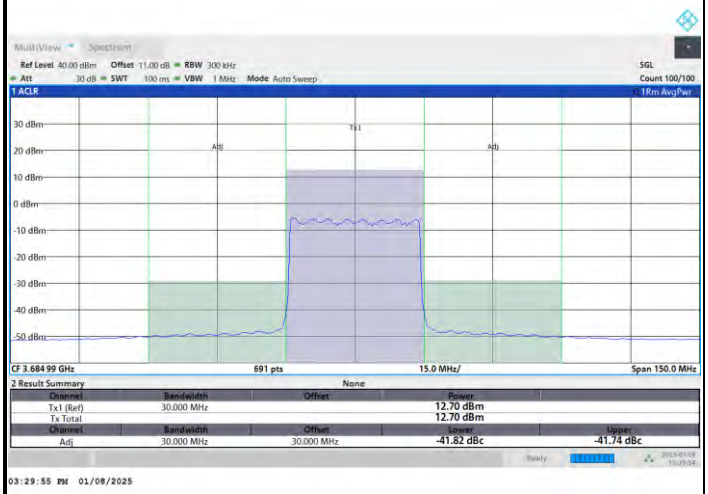
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM	
Middle Channel	
1RB0	1RBmax
	
Full RB	
	

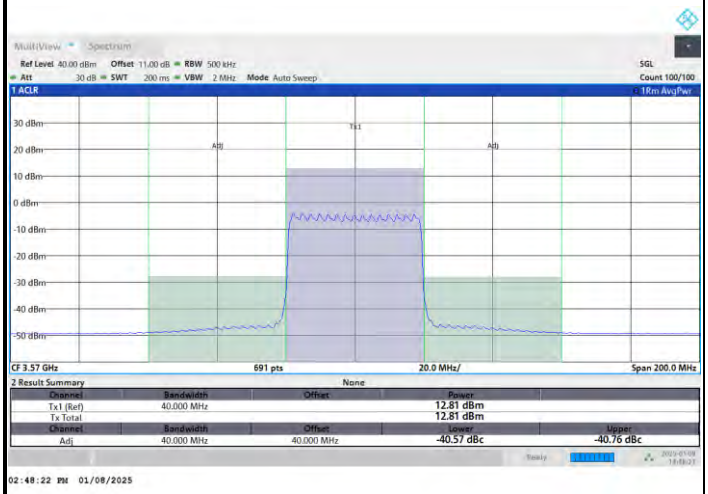
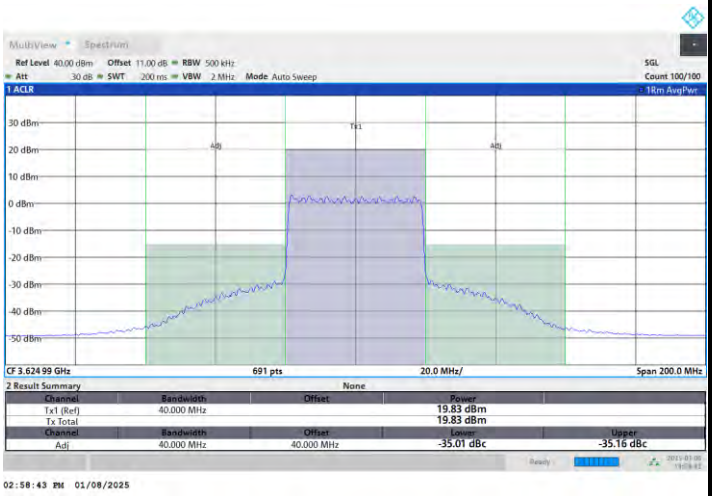
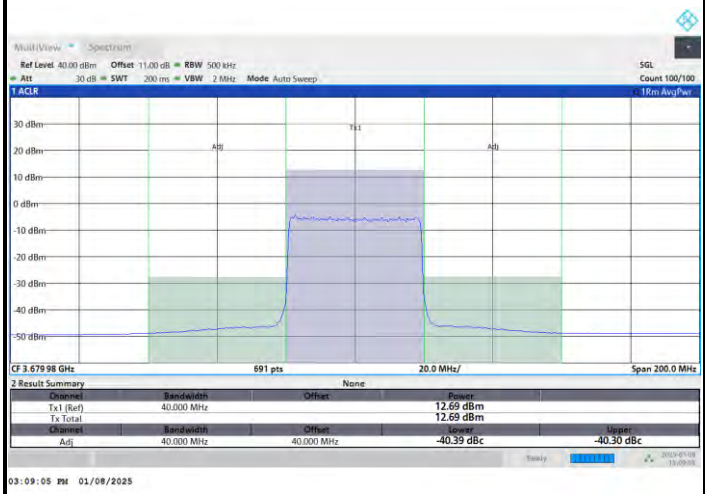
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

FR1 n48 / 10MHz / CP OFDM / QPSK / Full RB	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 15MHz / CP OFDM / QPSK / Full RB	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 20MHz / CP OFDM / QPSK / Full RB	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 30MHz / CP OFDM / QPSK / Full RB	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 40MHz / CP OFDM / QPSK / Full RB	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

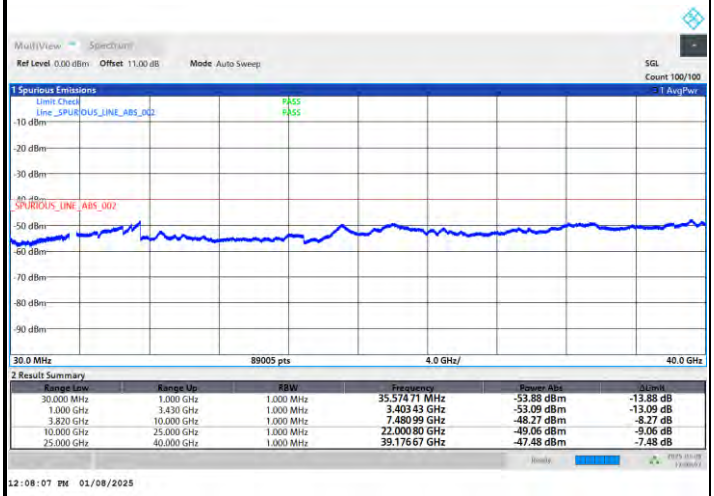
Conducted Spurious Emission

FR1 n48 / 10MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel

Highest Channel



FR1 n48 / 15MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	34.605 20 MHz	-53.58 dBm	-13.58 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.428 63 GHz	-52.81 dBm	-12.81 dB
3.820 GHz	10.000 GHz	1.000 MHz	7.466 99 GHz	-48.23 dBm	-8.23 dB
10.000 GHz	25.000 GHz	1.000 MHz	22.008 30 GHz	-49.07 dBm	-9.07 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.145 73 GHz	-47.55 dBm	-7.55 dB

Middle Channel

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	30.727 14 MHz	-53.90 dBm	-13.90 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.377 61 GHz	-52.58 dBm	-12.58 dB
3.820 GHz	10.000 GHz	1.000 MHz	7.489 23 GHz	-48.38 dBm	-8.38 dB
10.000 GHz	25.000 GHz	1.000 MHz	22.023 30 GHz	-49.03 dBm	-9.03 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.173 39 GHz	-47.47 dBm	-7.47 dB

Highest Channel

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	33.150 92 MHz	-53.44 dBm	-13.44 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.409 20 GHz	-53.25 dBm	-13.25 dB
3.820 GHz	10.000 GHz	1.000 MHz	7.486 35 GHz	-48.18 dBm	-8.18 dB
10.000 GHz	25.000 GHz	1.000 MHz	22.150 79 GHz	-49.12 dBm	-9.12 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.156 51 GHz	-47.59 dBm	-7.59 dB

FR1 n48 / 20MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel

Highest Channel

FR1 n48 / 30MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel

Highest Channel

FR1 n48 / 40MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	34.120 44 MHz	-53.63 dBm	-13.63 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.305 63 GHz	-53.25 dBm	-13.25 dB
3.820 GHz	10.000 GHz	1.000 MHz	7.498 30 GHz	-48.33 dBm	-8.33 dB
10.000 GHz	25.000 GHz	1.000 MHz	21.957 20 GHz	-49.28 dBm	-9.28 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.189 79 GHz	-47.57 dBm	-7.57 dB

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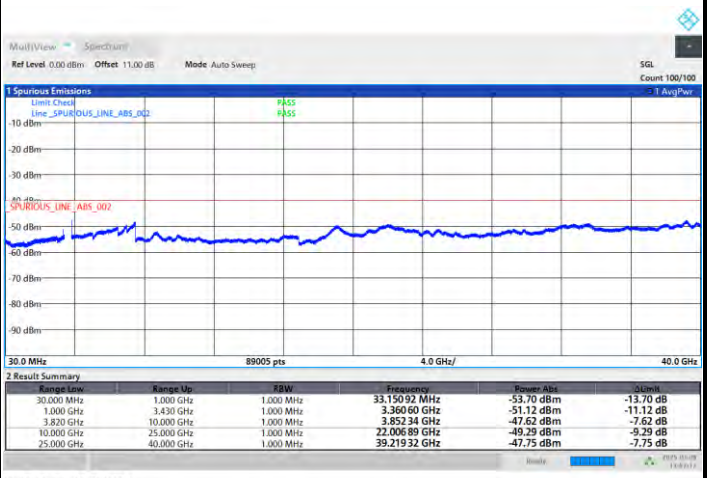
Middle Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	33.150 92 MHz	-53.70 dBm	-13.70 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.360 60 GHz	-51.12 dBm	-11.12 dB
3.820 GHz	10.000 GHz	1.000 MHz	3.852 34 GHz	-47.62 dBm	-7.62 dB
10.000 GHz	25.000 GHz	1.000 MHz	22.006 89 GHz	-49.29 dBm	-9.29 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.219 32 GHz	-47.75 dBm	-7.75 dB

01:52:12 PM 01/08/2025

Highest Channel

2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	35.574 71 MHz	-53.93 dBm	-13.93 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.416 18 GHz	-53.61 dBm	-13.61 dB
3.820 GHz	10.000 GHz	1.000 MHz	7.485 11 GHz	-48.28 dBm	-8.28 dB
10.000 GHz	25.000 GHz	1.000 MHz	21.997 52 GHz	-48.91 dBm	-8.91 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.209 01 GHz	-47.73 dBm	-7.73 dB

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Frequency Stability

Test Conditions		FR1 n48 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0088	PASS
40	Normal Voltage	0.0072	
30	Normal Voltage	0.0161	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0058	
0	Normal Voltage	0.0158	
-10	Normal Voltage	0.0206	
-20	Normal Voltage	0.0264	
-30	Normal Voltage	0.0069	
20	Maximum Voltage	0.0055	
20	Normal Voltage	0.0150	
20	Minimum Voltage	0.0188	

Note:

1. Normal Voltage = 3.9 V.；Minimum Voltage= 3.6 V.；Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

<MIMO Mode>
MIMO <Ant. 6>

Peak-to-Average Ratio

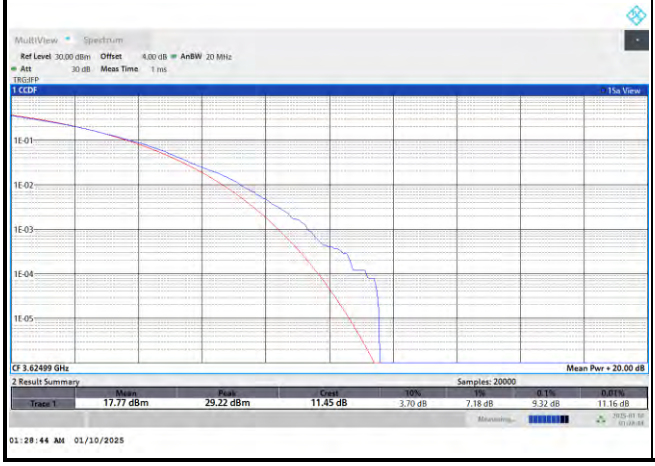
Mode	FR1 n48 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	9.16	9.20	9.32	8.68	PASS

FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM

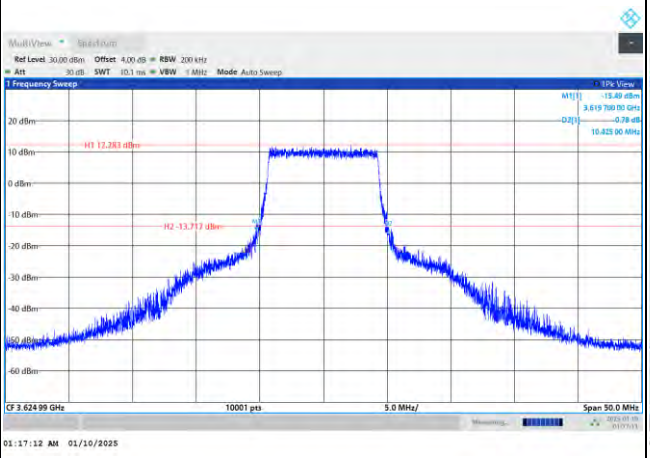
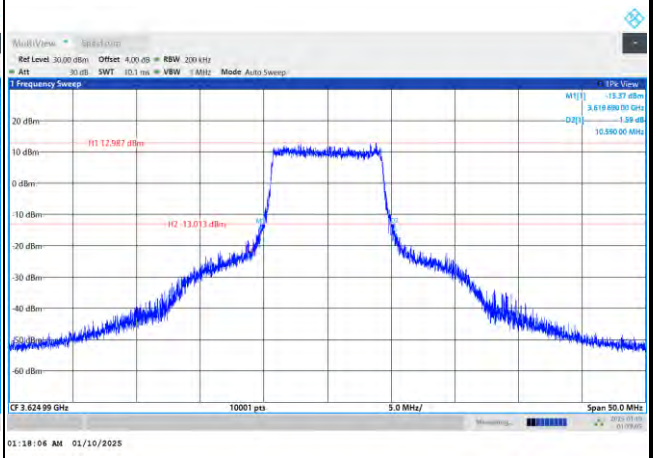
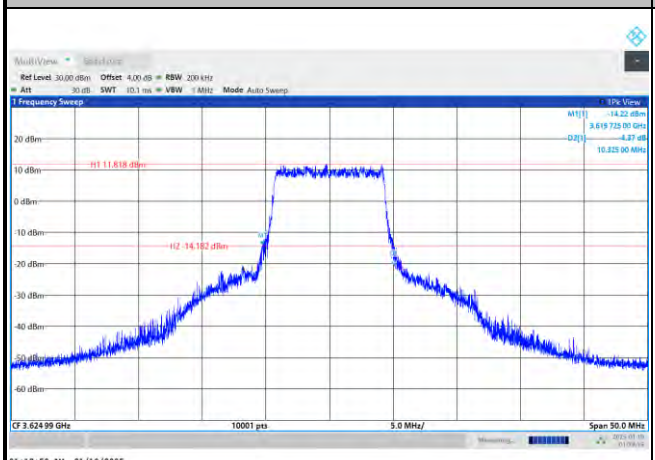
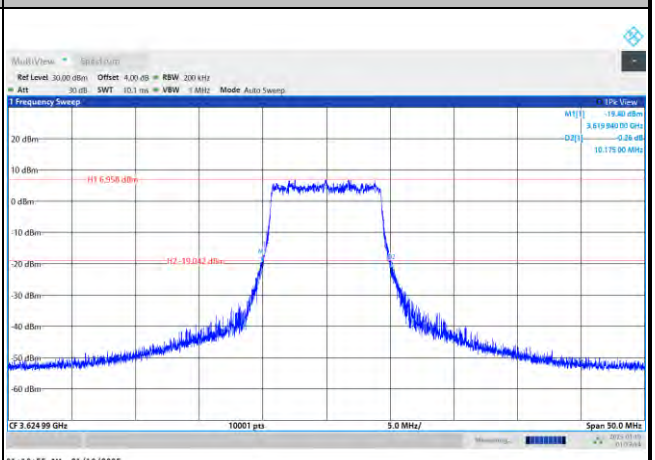
64QAM

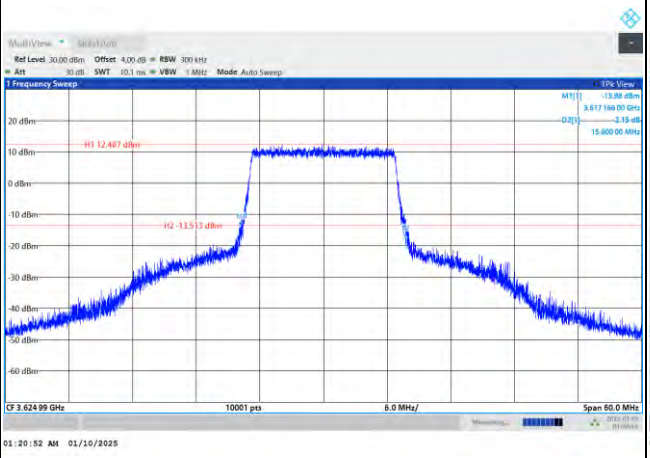
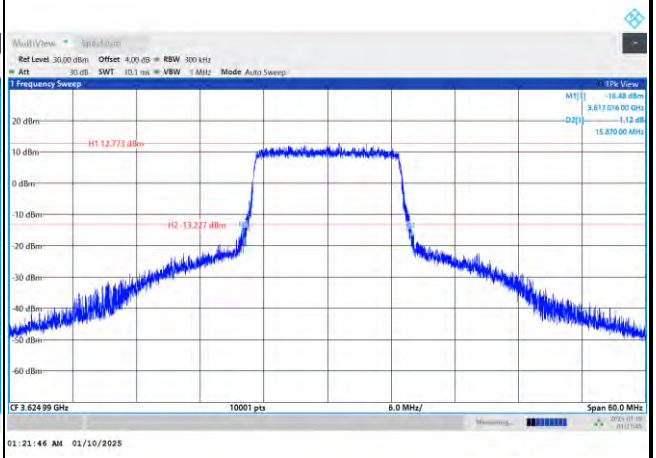
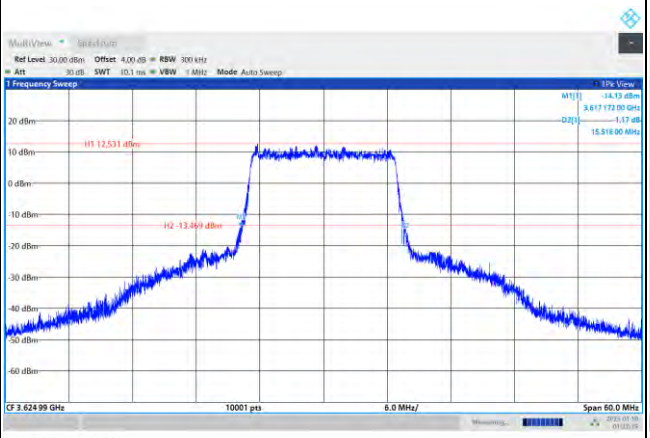
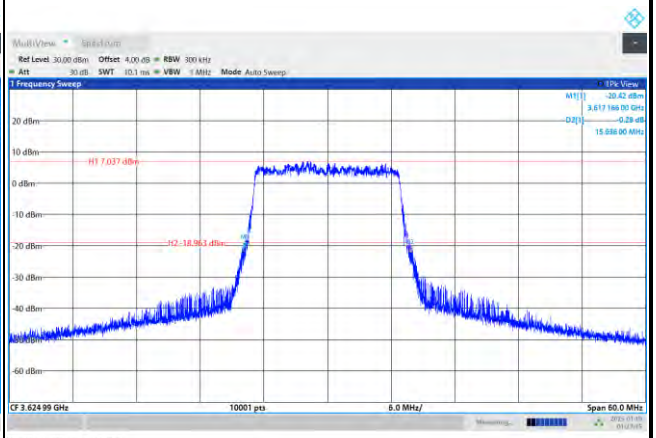


256QAM

26dB Bandwidth

Mode	FR1 n48 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.42	10.59	15.60	15.87	20.48	20.67	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.32	10.17	15.51	15.63	20.49	20.72	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	31.18	31.09	42.10	42.83	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	31.14	31.13	42.54	42.74	-	-	-	-
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-

FR1 n48 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n48 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM