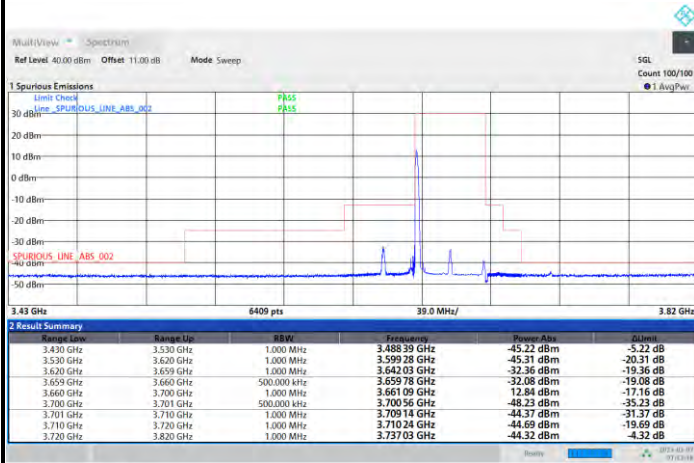




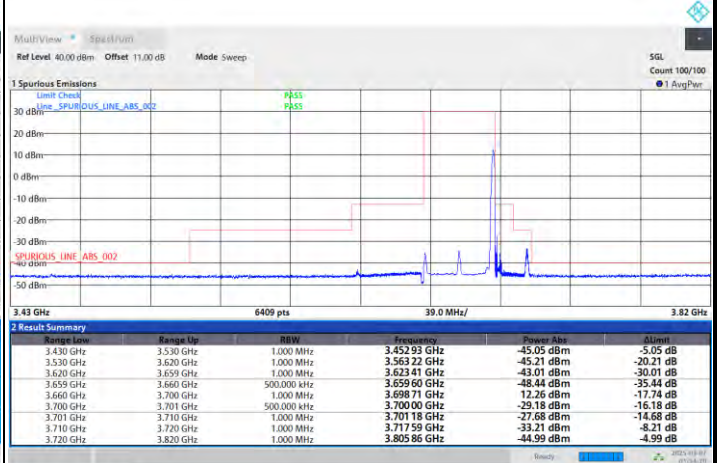
FR1 n48 / 40MHz / DFT-S OFDM / QPSK

Highest Channel

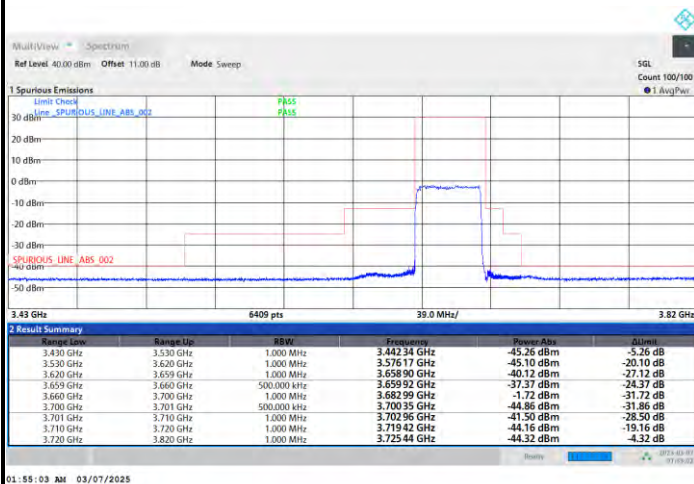
1RB0



1RBmax



Full RB

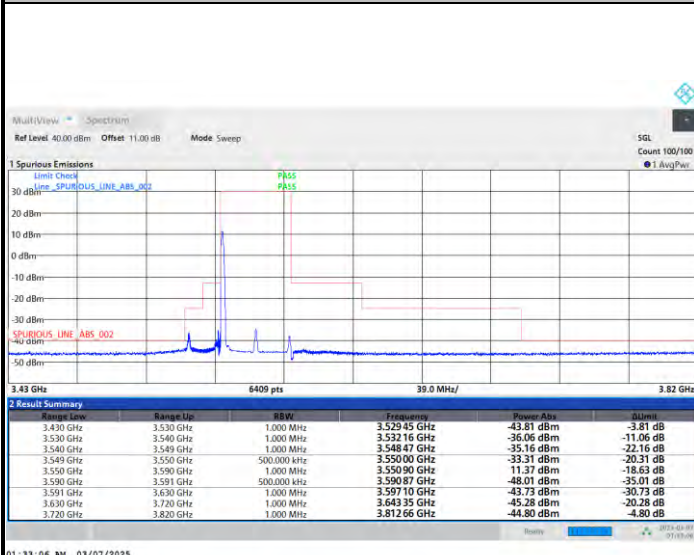




FR1 n48 / 40MHz / DFT-S OFDM / 16QAM

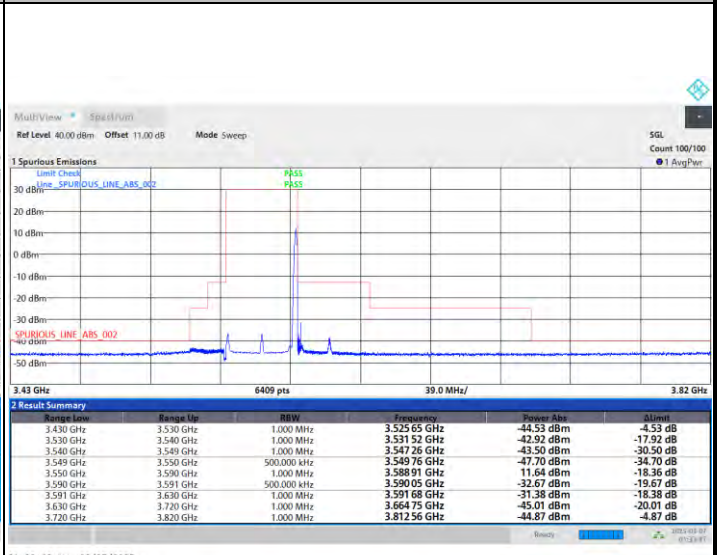
Lowest Channel

1RB0



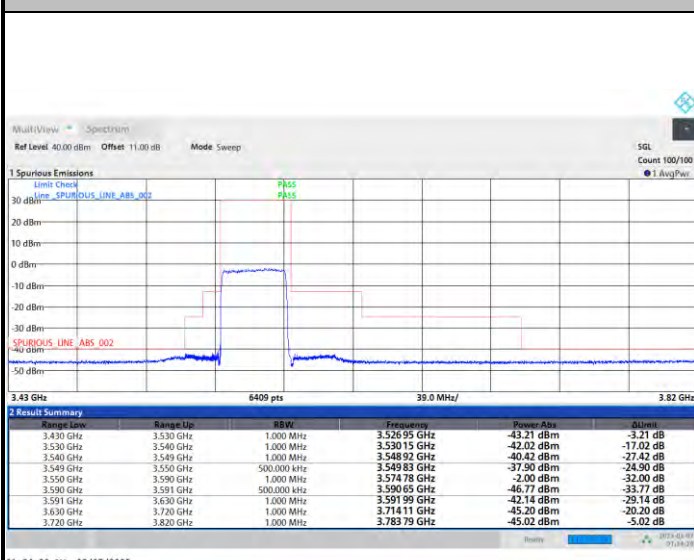
01:33:06 AM 03/07/2025

1RBmax



01:33:48 AM 03/07/2025

Full RB



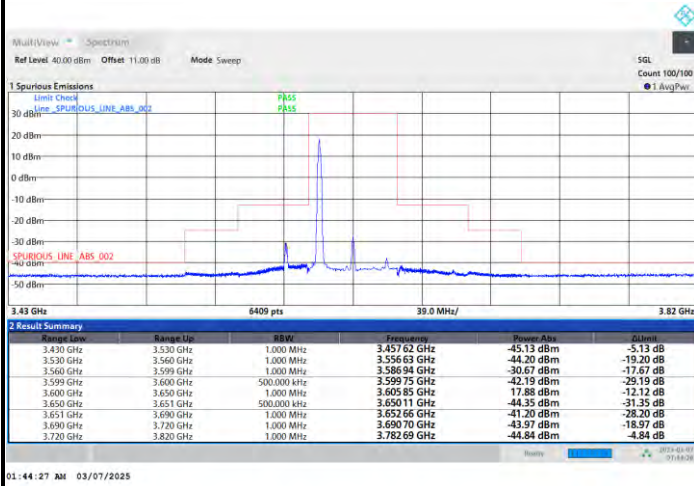
01:34:30 AM 03/07/2025



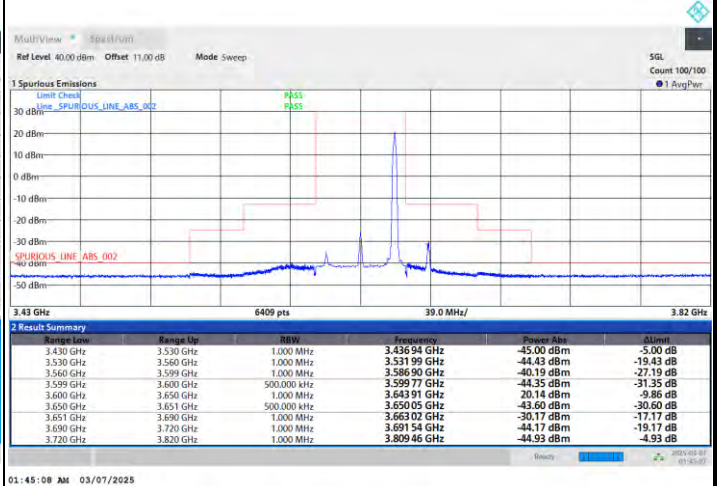
FR1 n48 / 40MHz / DFT-S OFDM / 16QAM

Middle Channel

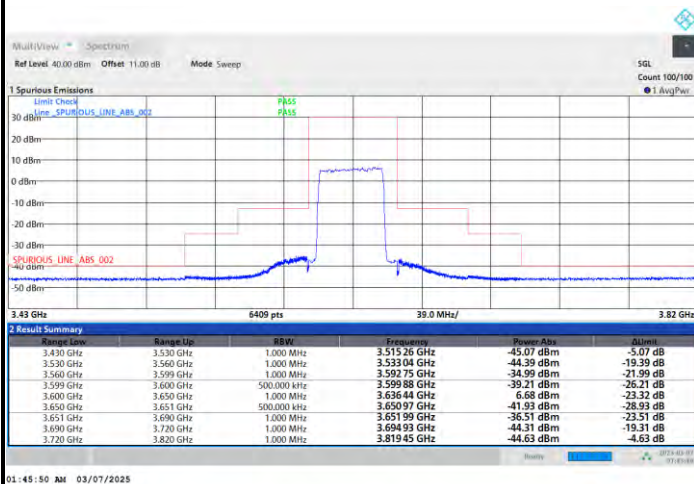
1RB0



1RBmax



Full RB

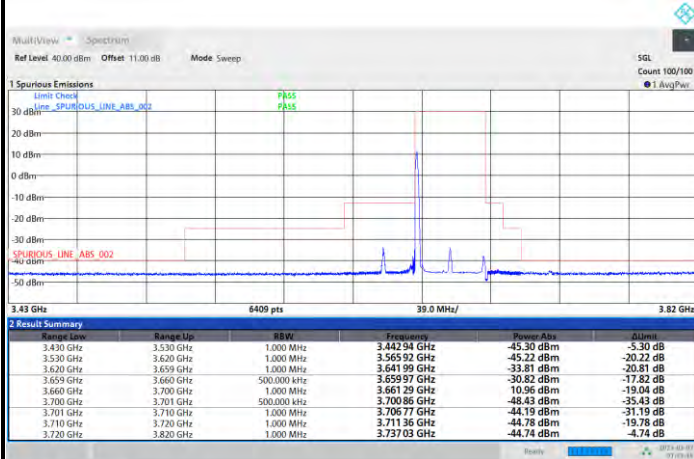




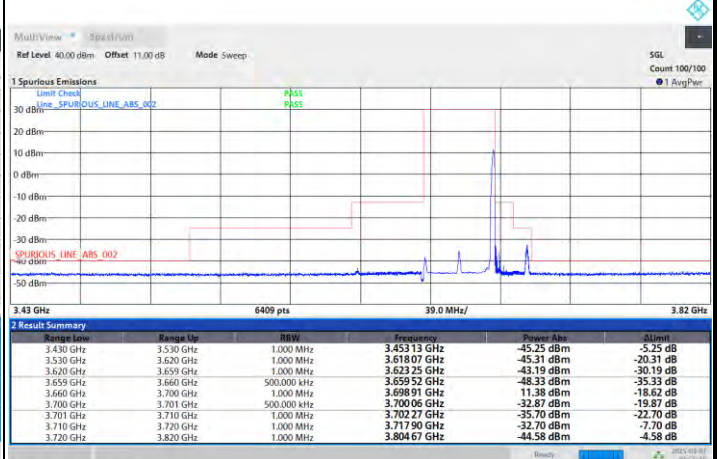
FR1 n48 / 40MHz / DFT-S OFDM / 16QAM

Highest Channel

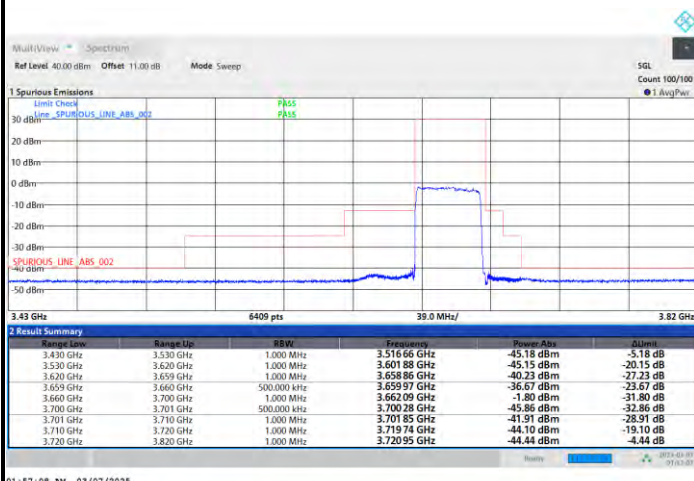
1RB0



1RBmax



Full RB

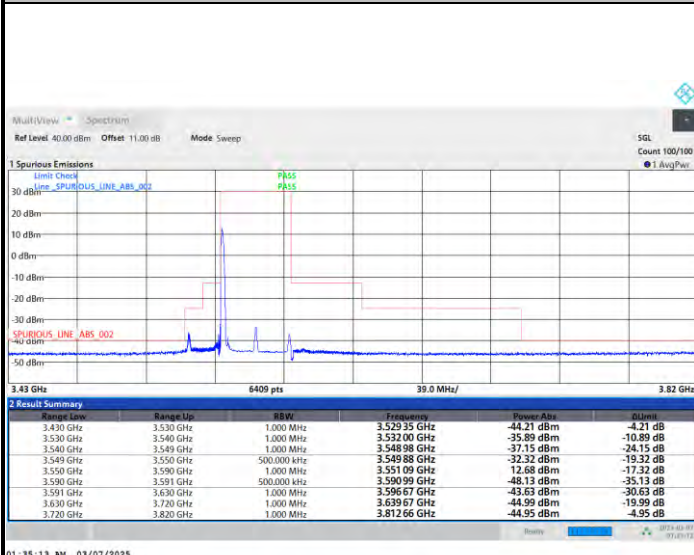




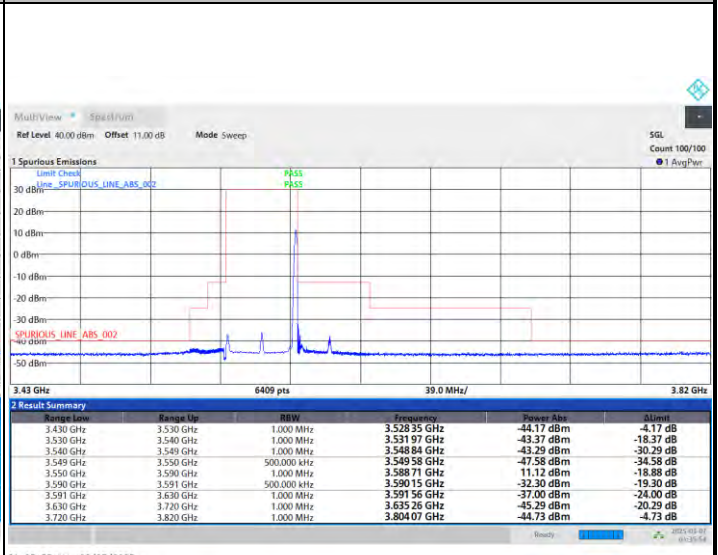
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM

Lowest Channel

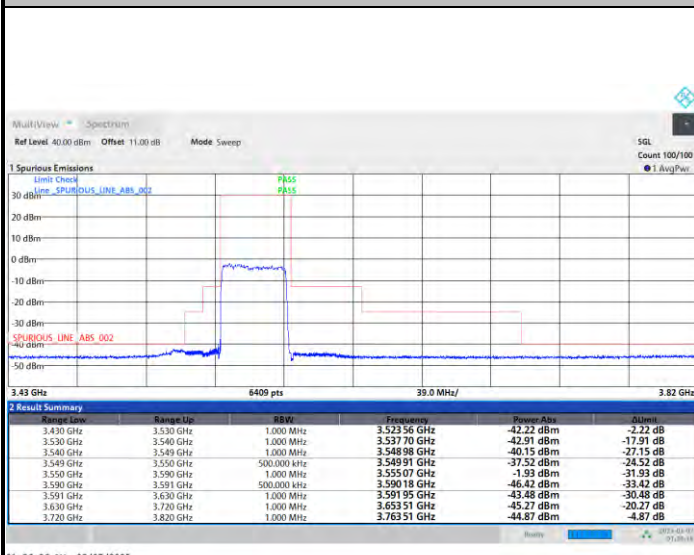
1RB0



1RBmax



Full RB

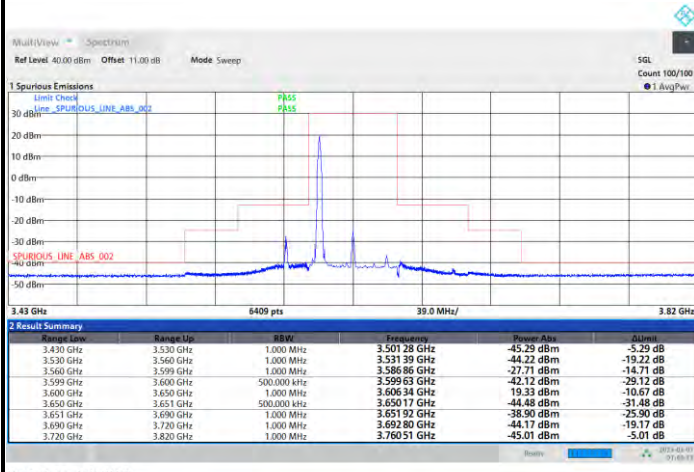




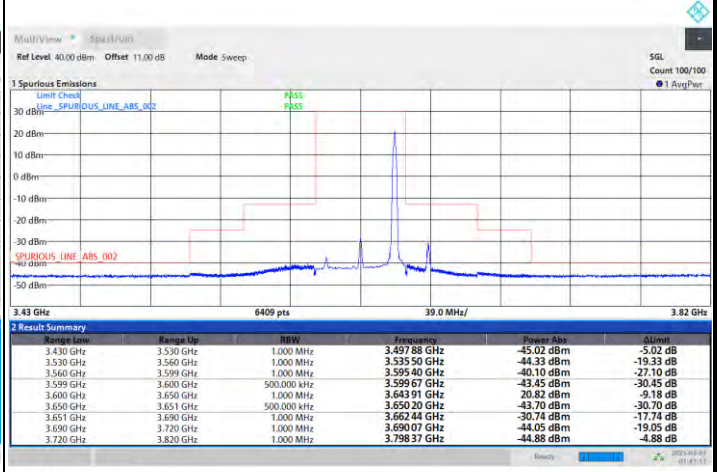
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM

Middle Channel

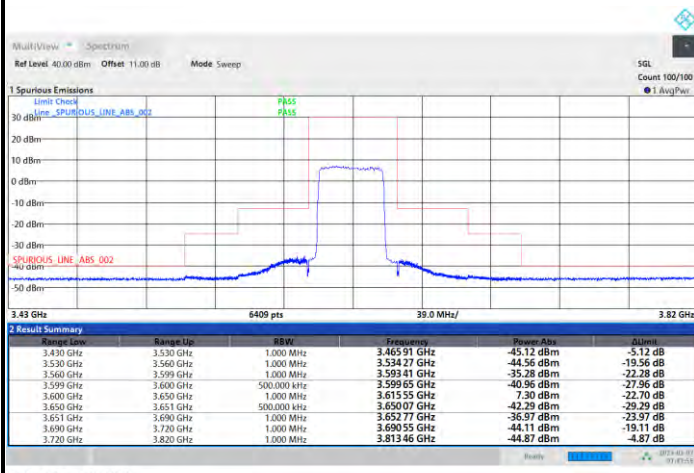
1RB0



1RBmax



Full RB

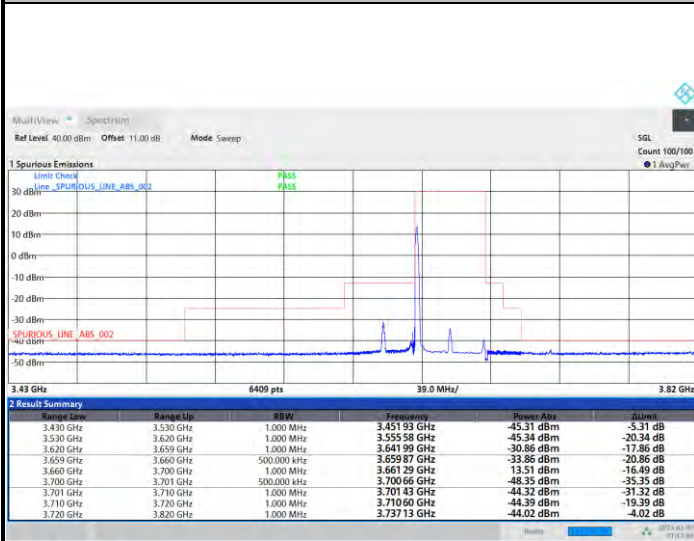




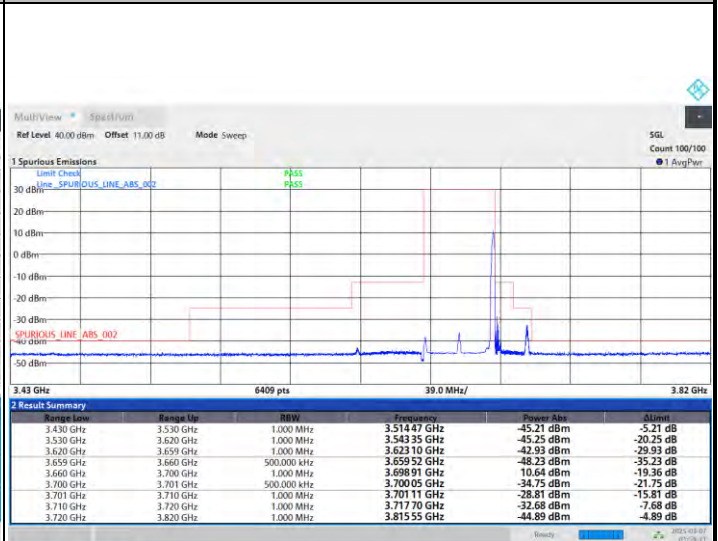
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM

Highest Channel

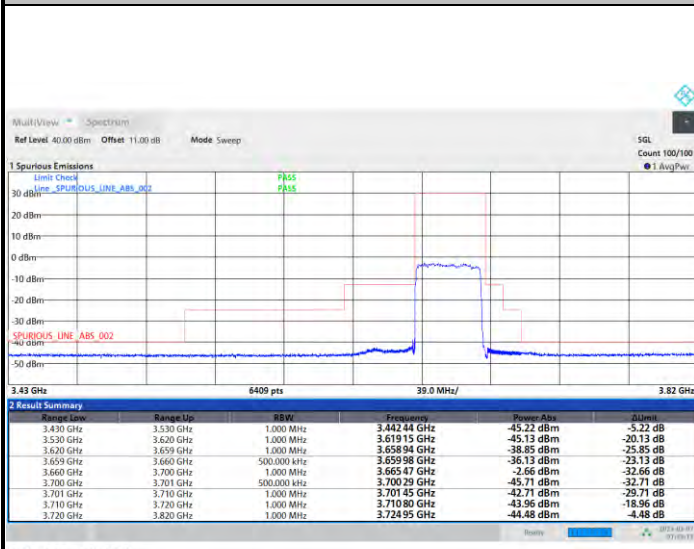
1RB0



1RBmax



Full RB

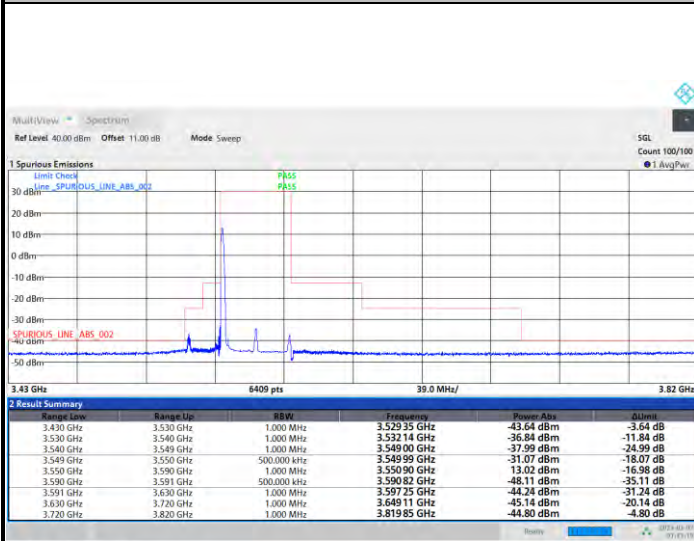




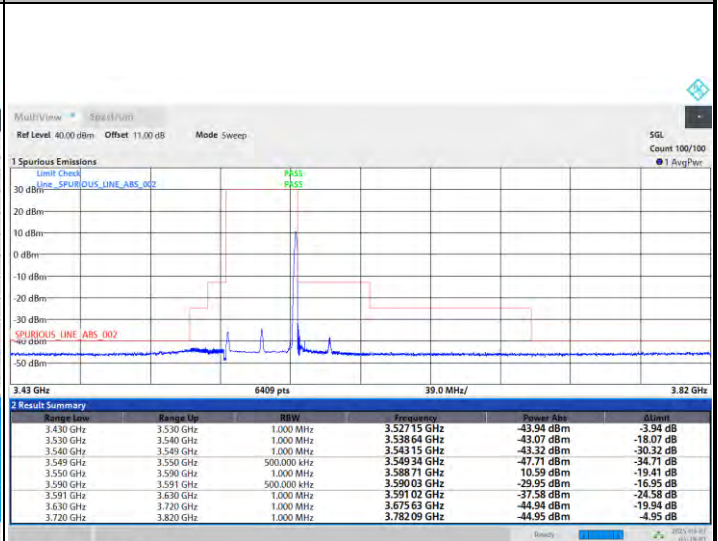
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM

Lowest Channel

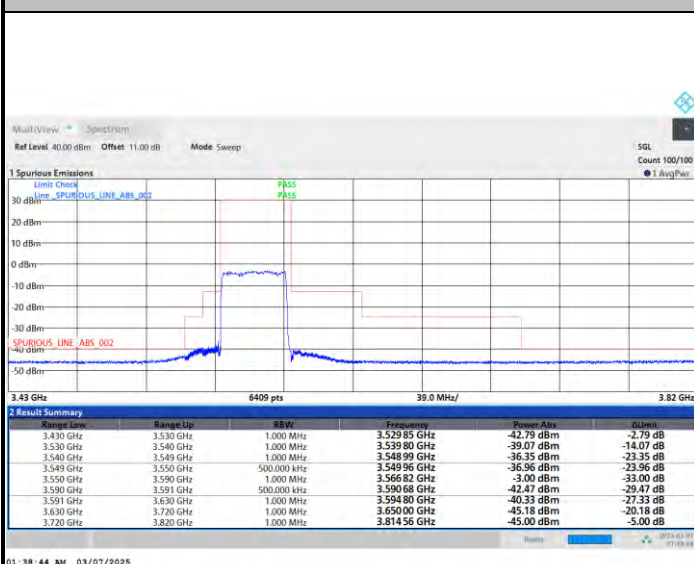
1RB0



1RBmax



Full RB

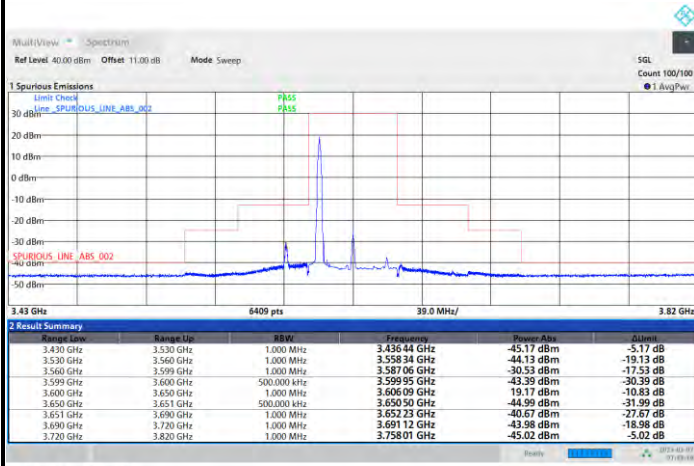




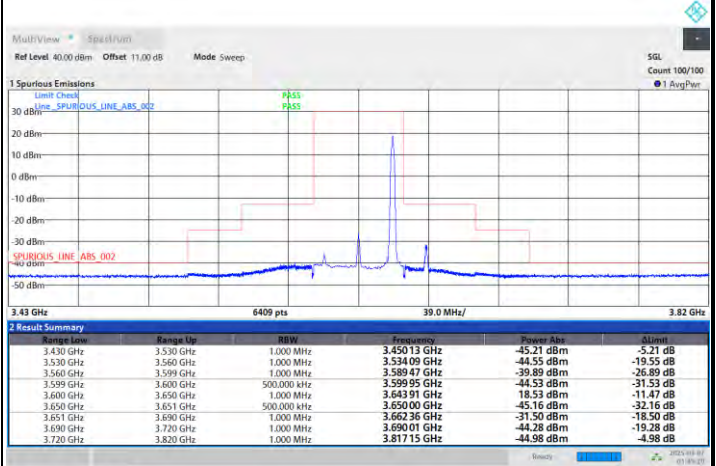
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM

Middle Channel

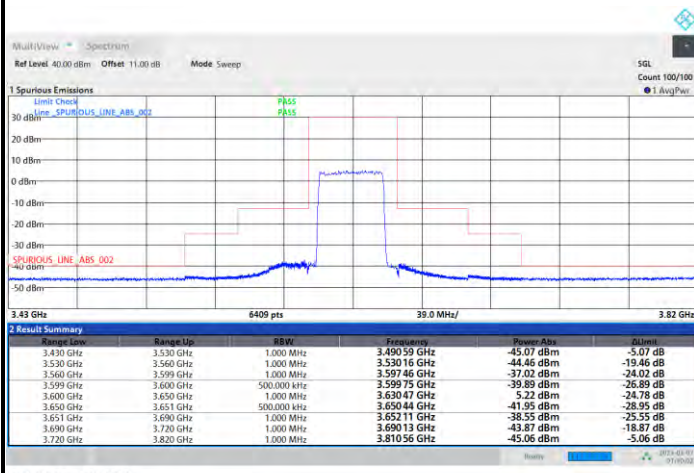
1RB0



1RBmax



Full RB

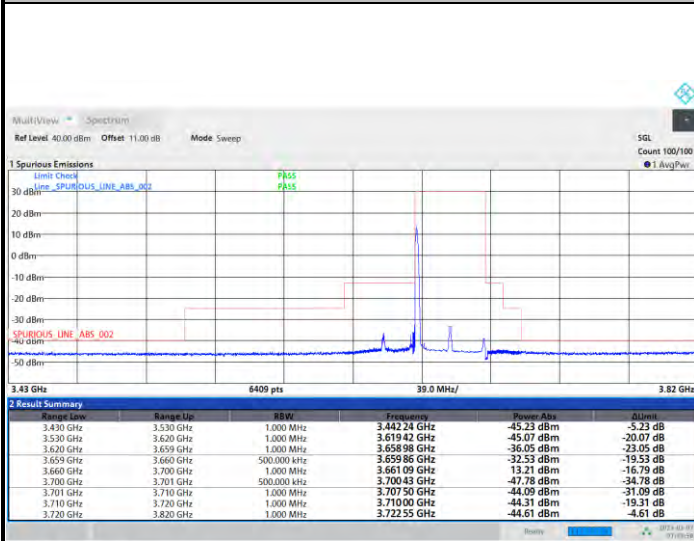




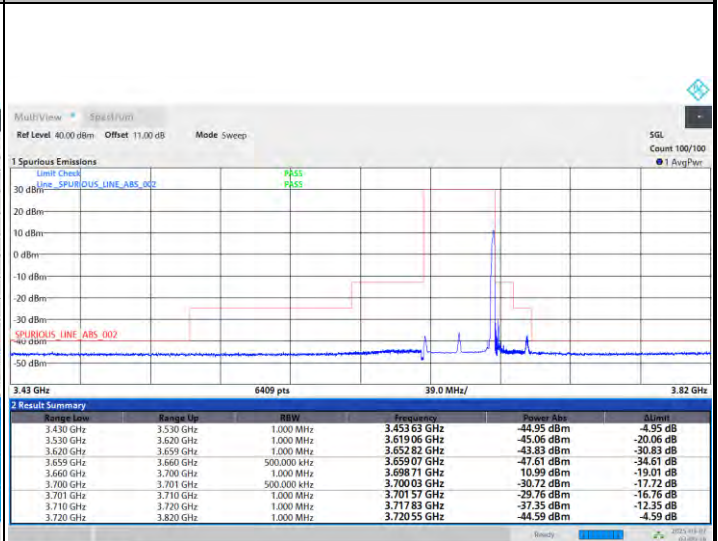
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM

Highest Channel

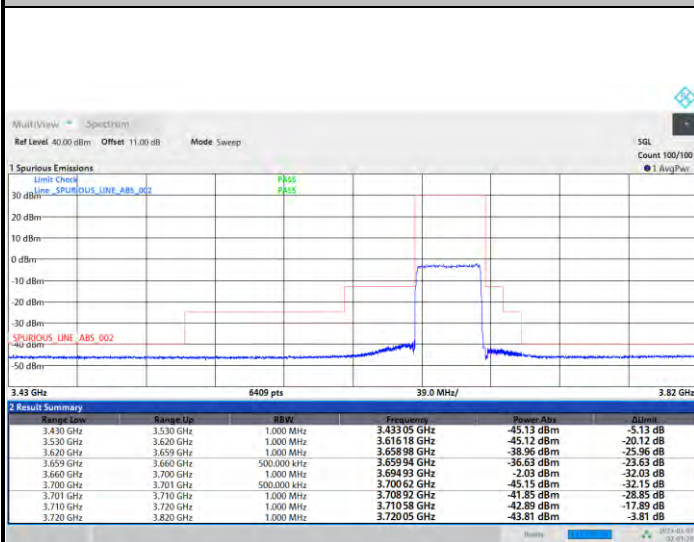
1RB0



1RBmax



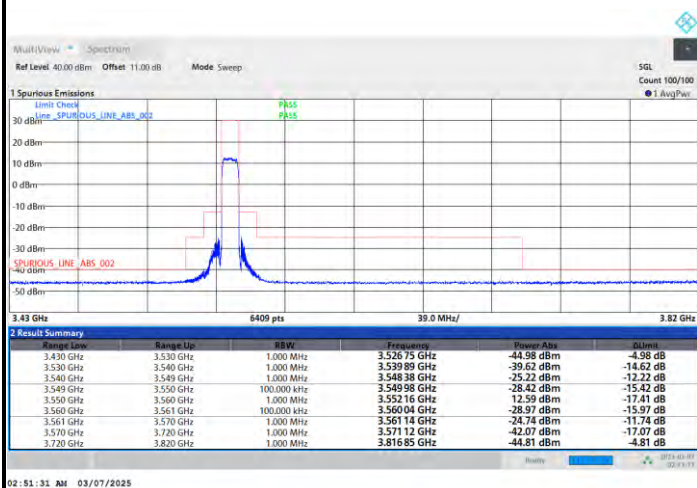
Full RB



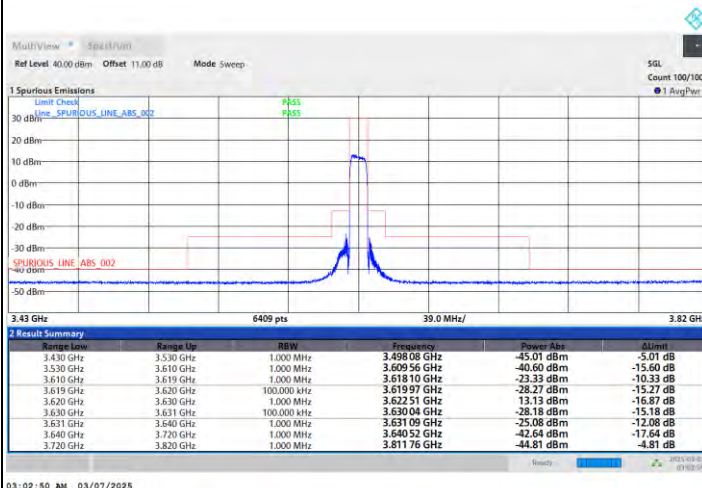


FR1 n48 / 10MHz / CP OFDM / QPSK / Full RB

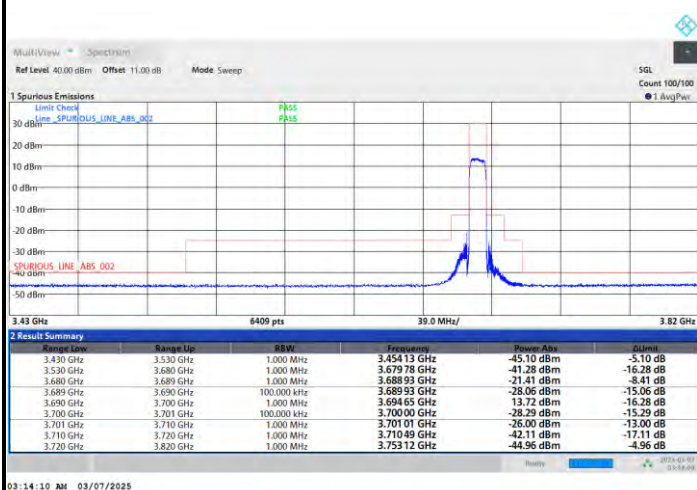
Lowest Channel



Middle Channel



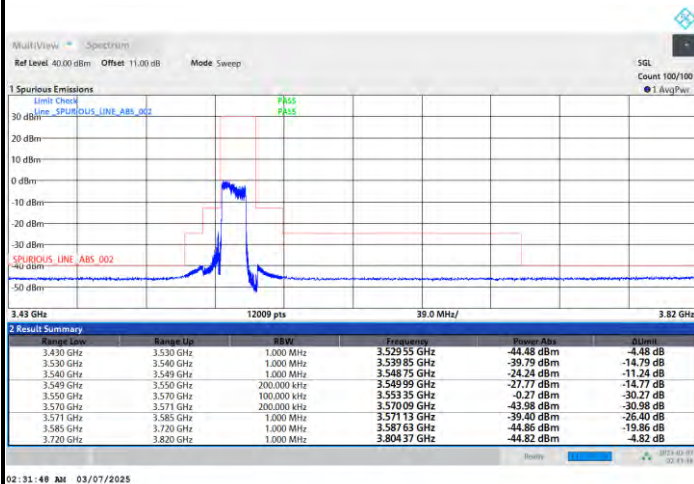
Highest Channel



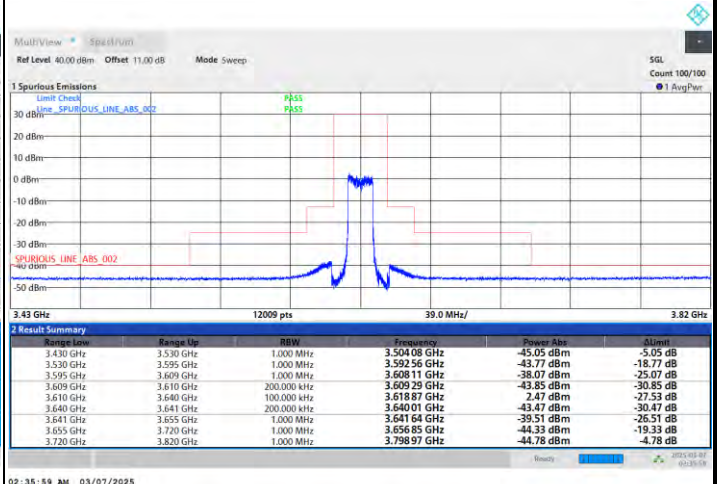


FR1 n48 / 15MHz / CP OFDM / QPSK / Full RB

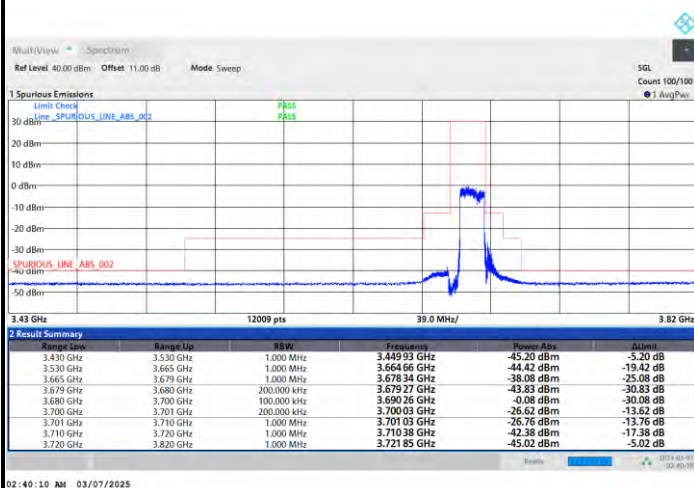
Lowest Channel



Middle Channel



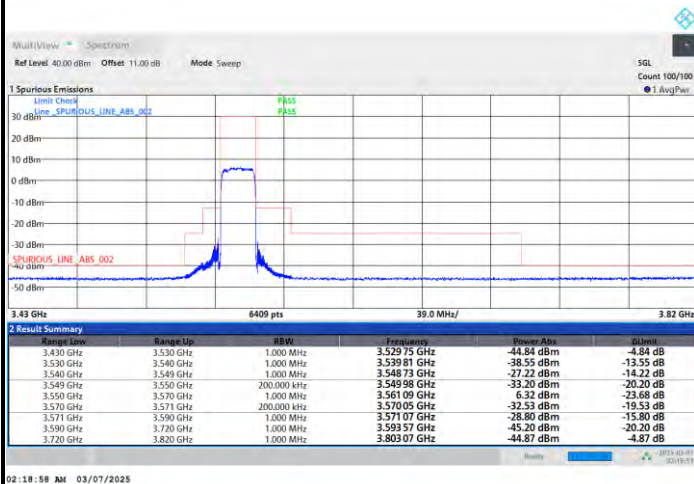
Highest Channel



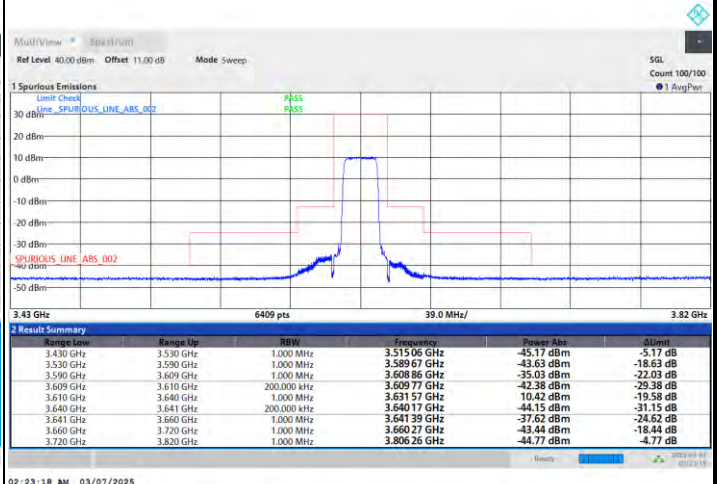


FR1 n48 / 20MHz / CP OFDM / QPSK / Full RB

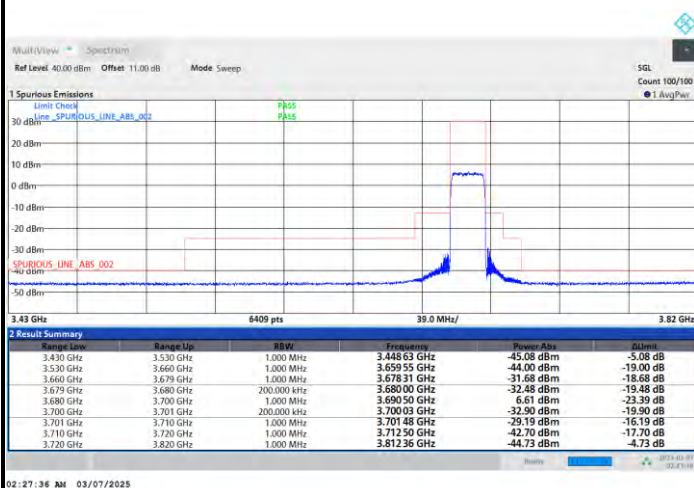
Lowest Channel



Middle Channel



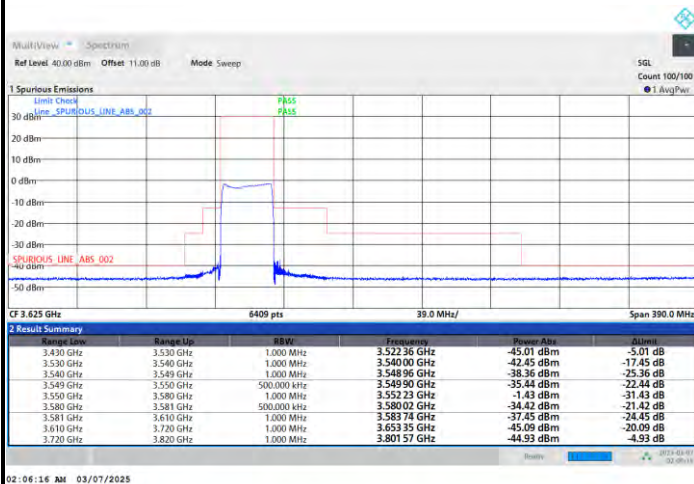
Highest Channel



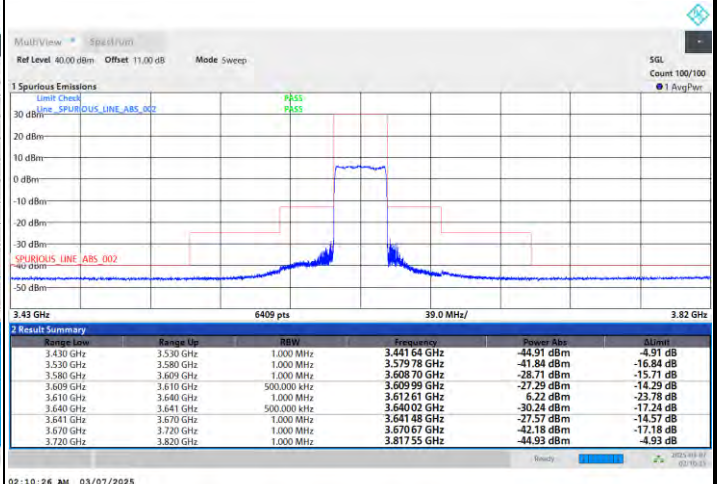


FR1 n48 / 30MHz / CP OFDM / QPSK / Full RB

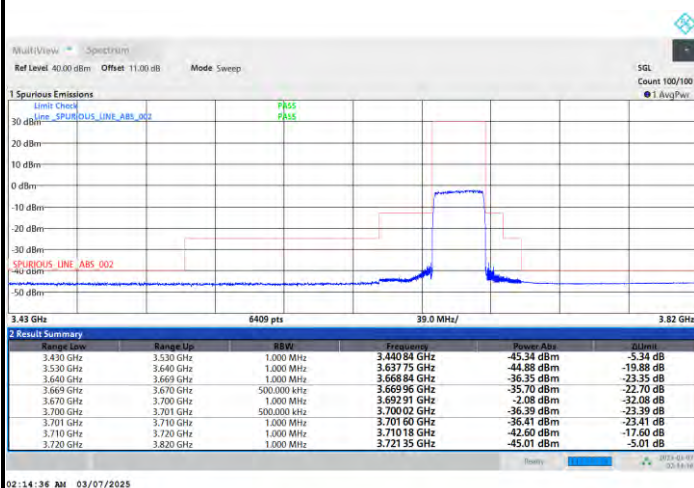
Lowest Channel



Middle Channel



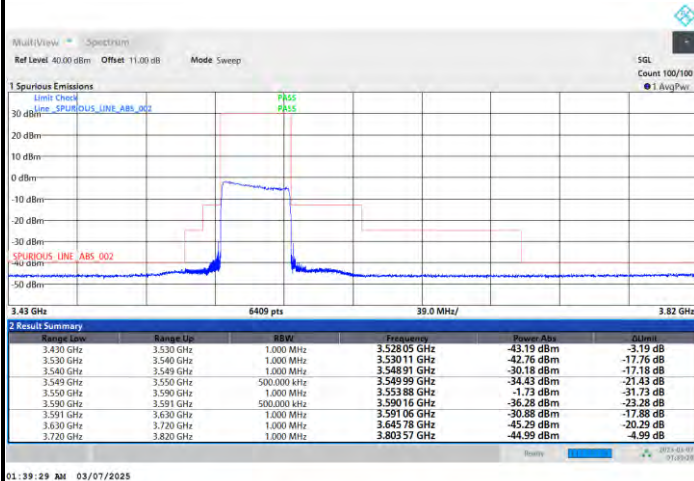
Highest Channel



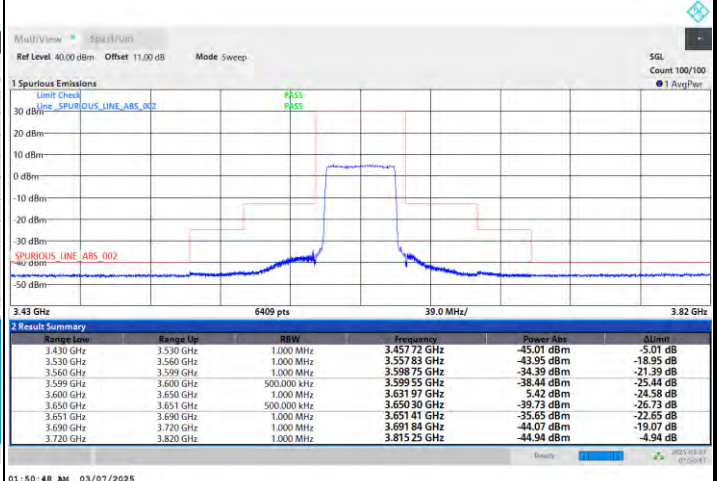


FR1 n48 / 40MHz / CP OFDM / QPSK / Full RB

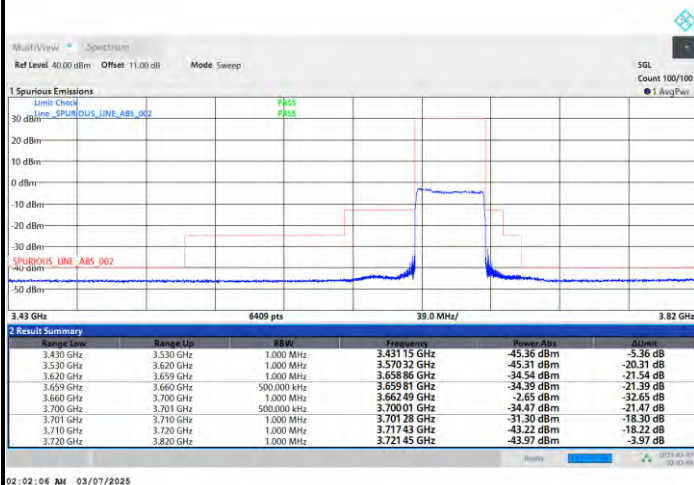
Lowest Channel



Middle Channel



Highest Channel

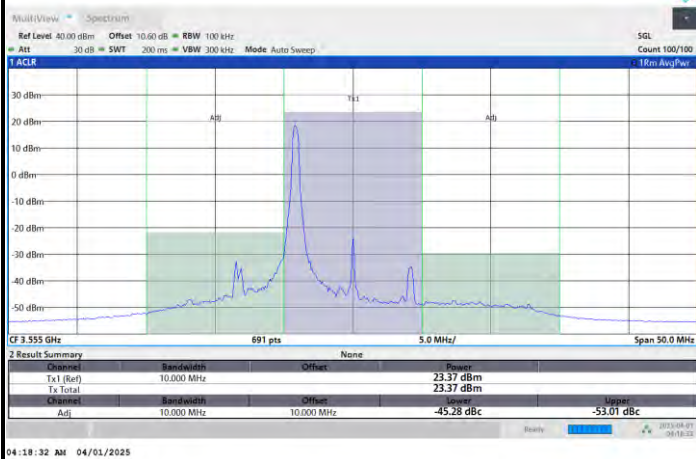


**Adjacent Channel Leakage Ratio (ACLR)**

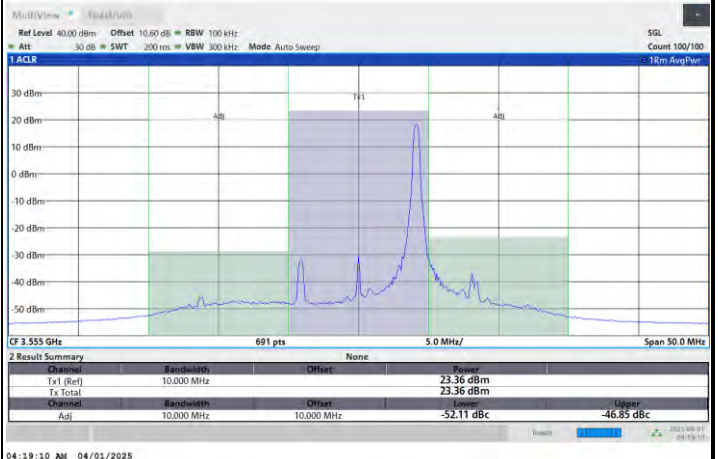
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

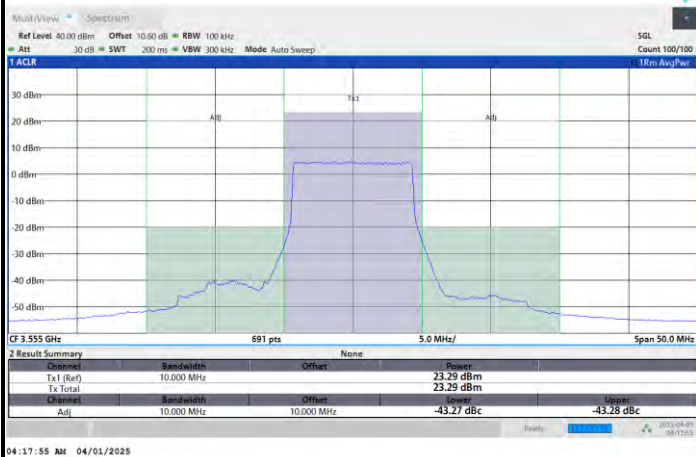
1RB0



1RBmax



Full RB

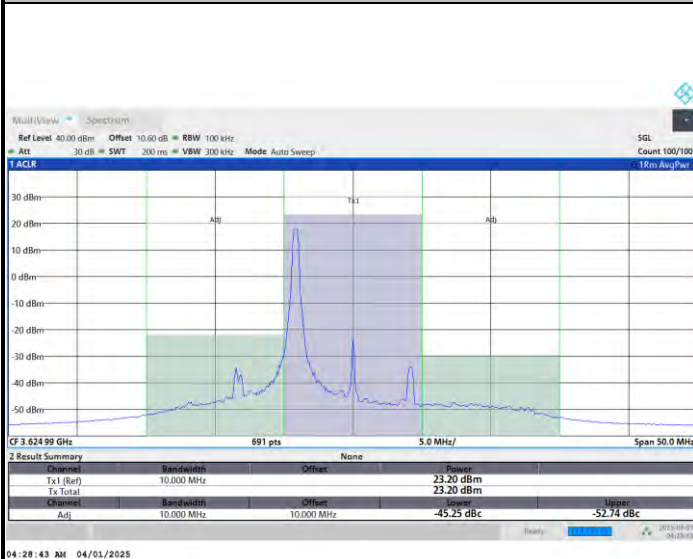




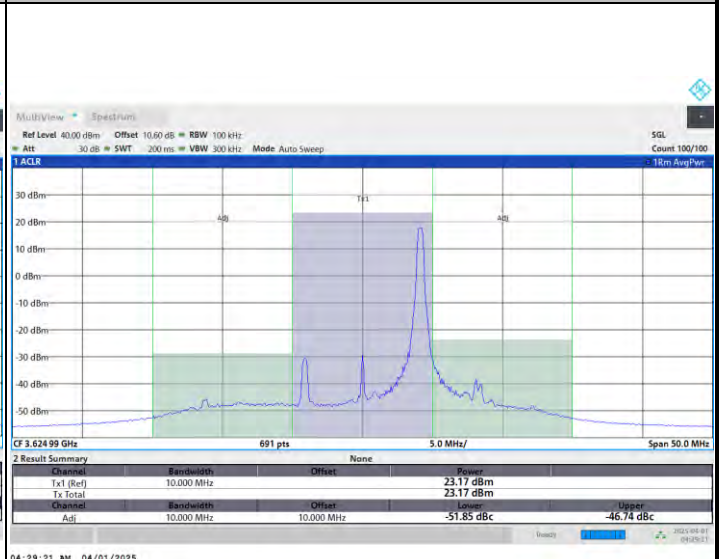
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

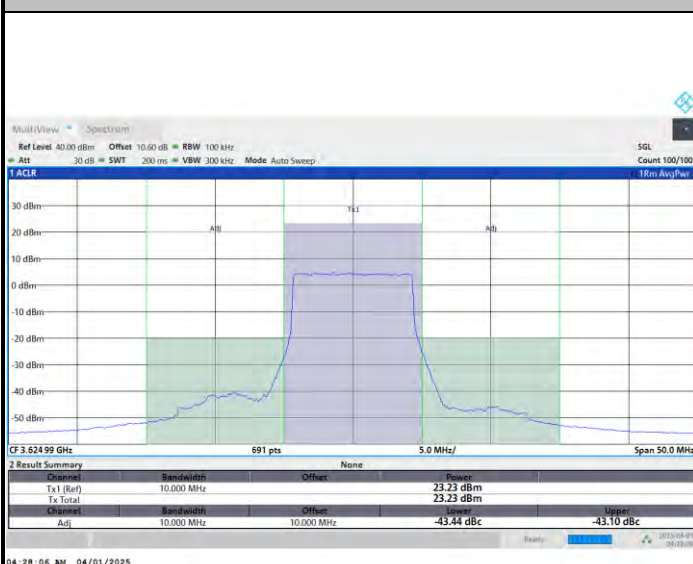
1RB0



1RBmax



Full RB

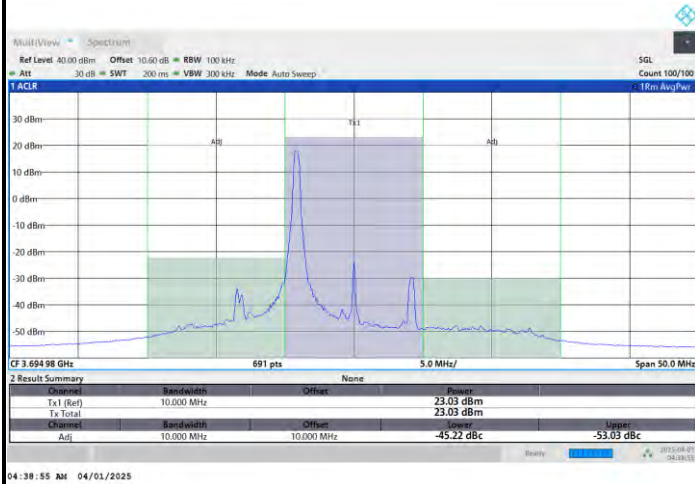




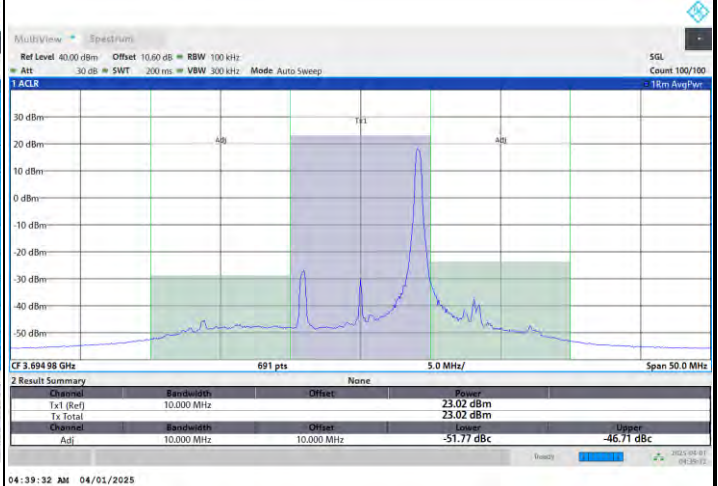
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

1RB0



1RBmax



Full RB





1RB0

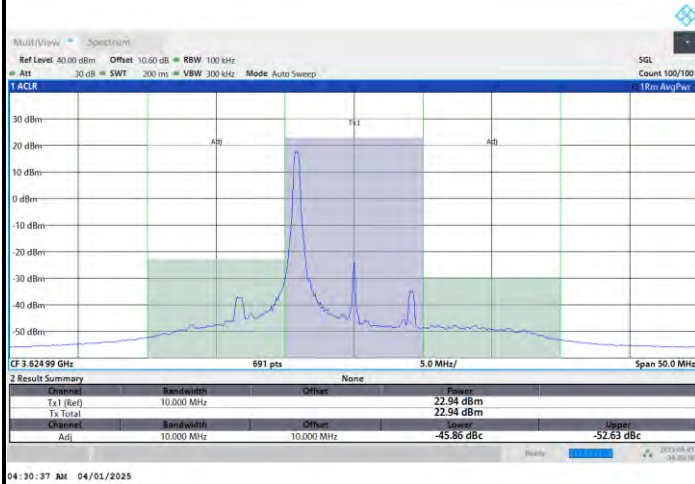




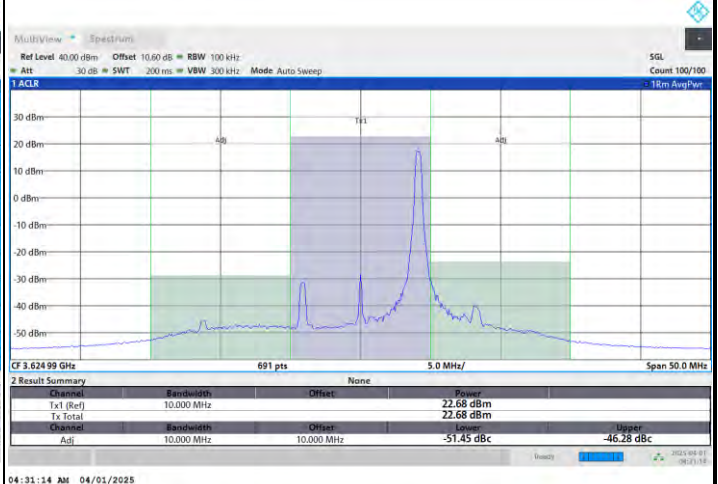
FR1 n48 / 10MHz / DFT-S OFDM / QPSK

Middle Channel

1RB0



1RBmax



Full RB

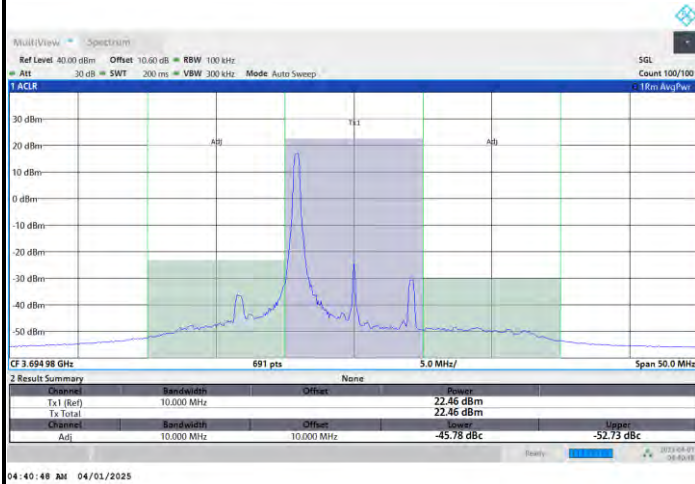




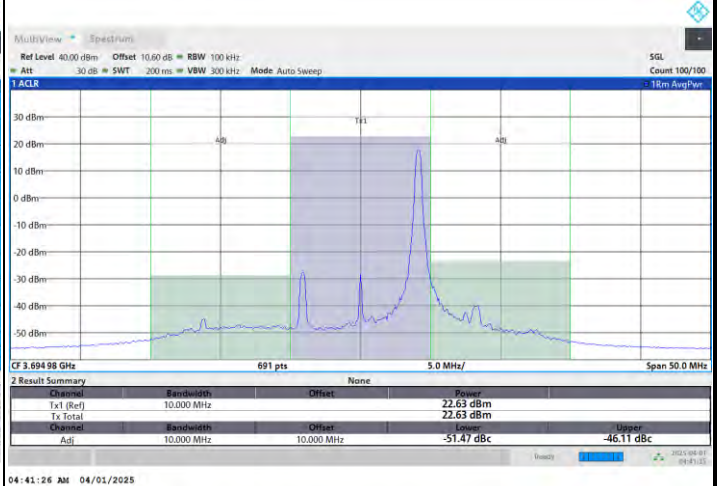
FR1 n48 / 10MHz / DFT-S OFDM / QPSK

Highest Channel

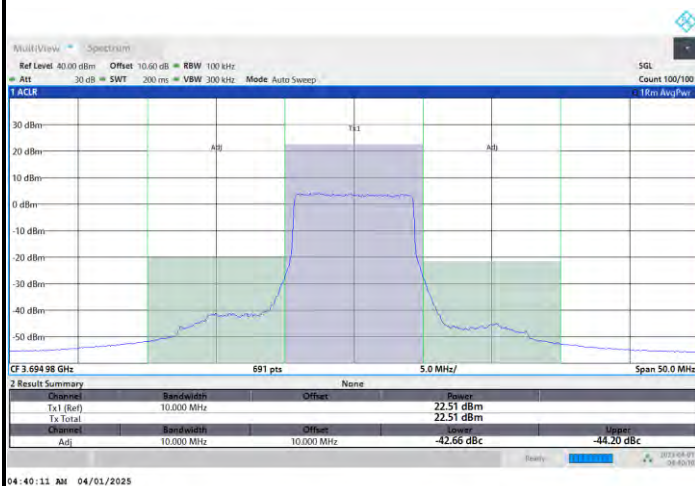
1RB0



1RBmax



Full RB

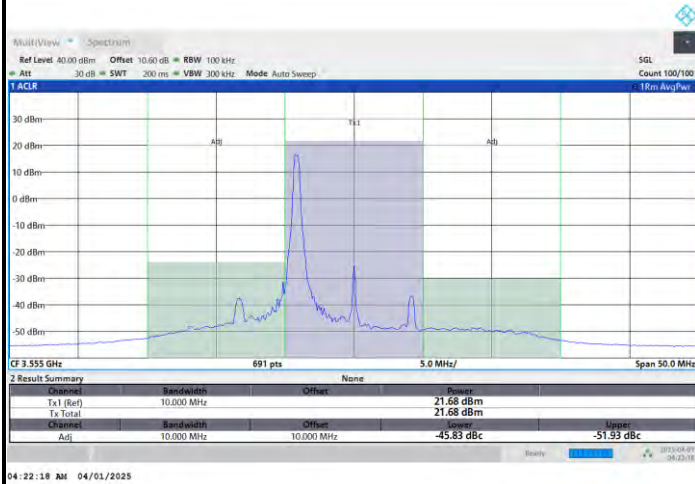




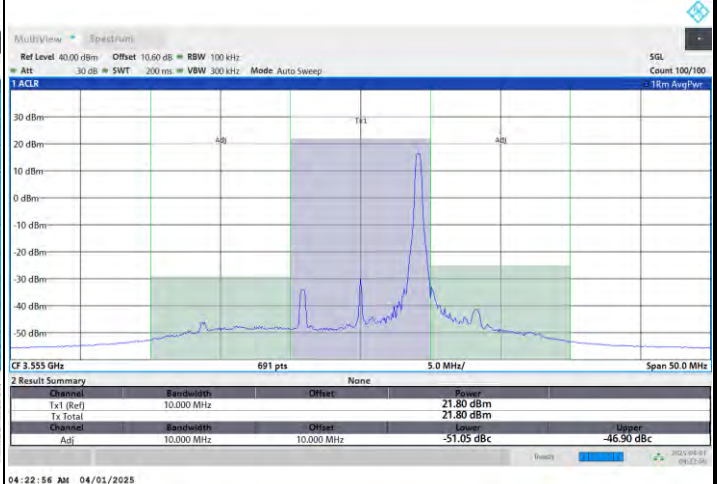
FR1 n48 / 10MHz / DFT-S OFDM / 16QAM

Lowest Channel

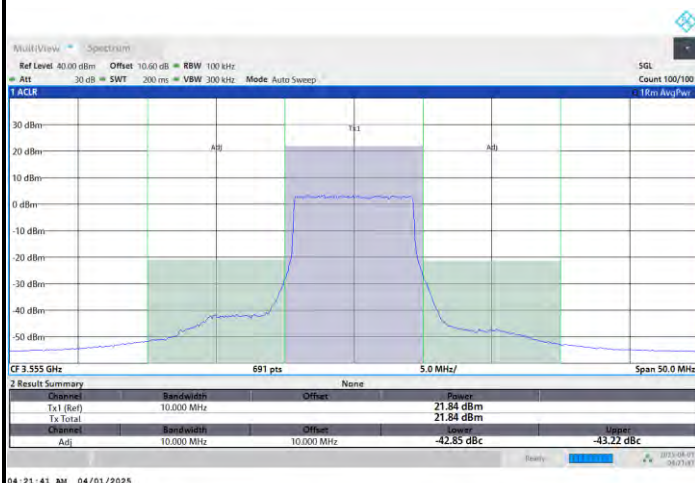
1RB0



1RBmax



Full RB

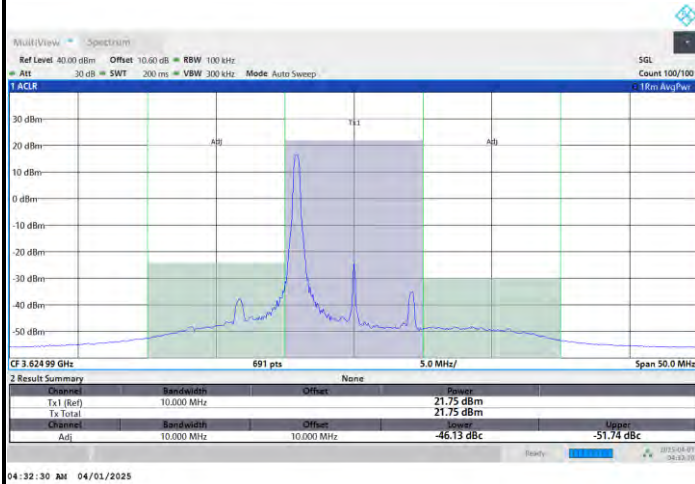




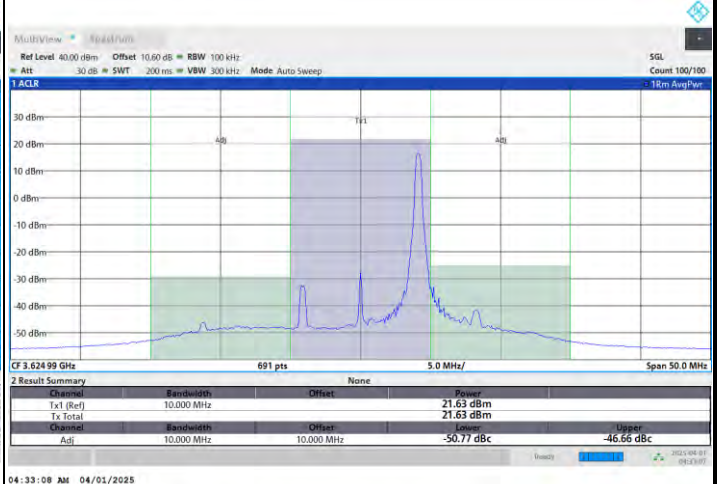
FR1 n48 / 10MHz / DFT-S OFDM / 16QAM

Middle Channel

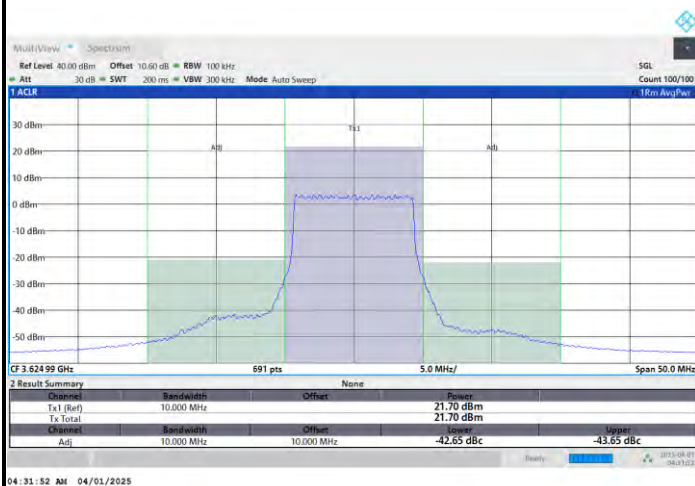
1RB0



1RBmax



Full RB

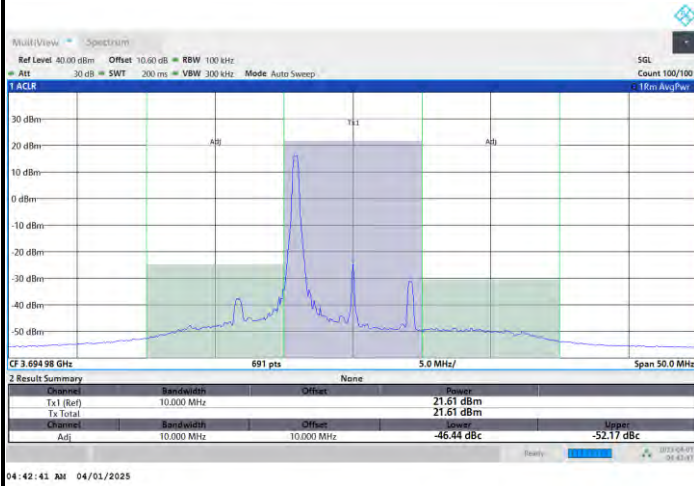




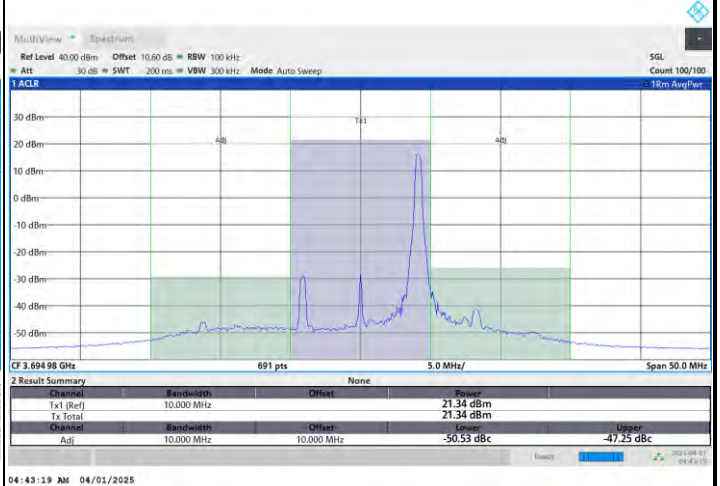
FR1 n48 / 10MHz / DFT-S OFDM / 16QAM

Highest Channel

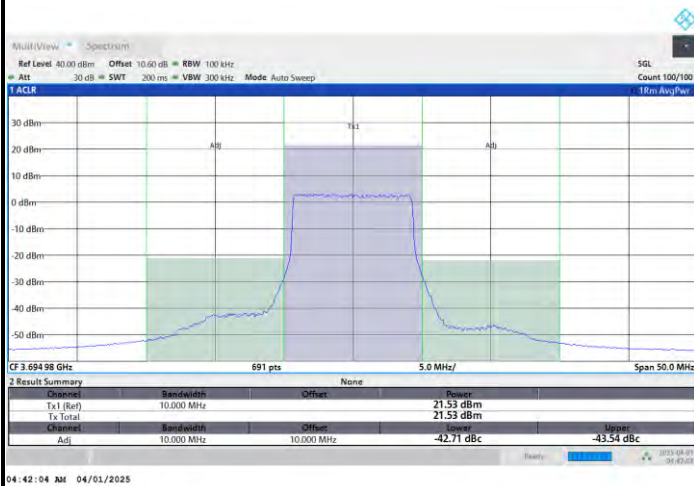
1RB0



1RBmax



Full RB

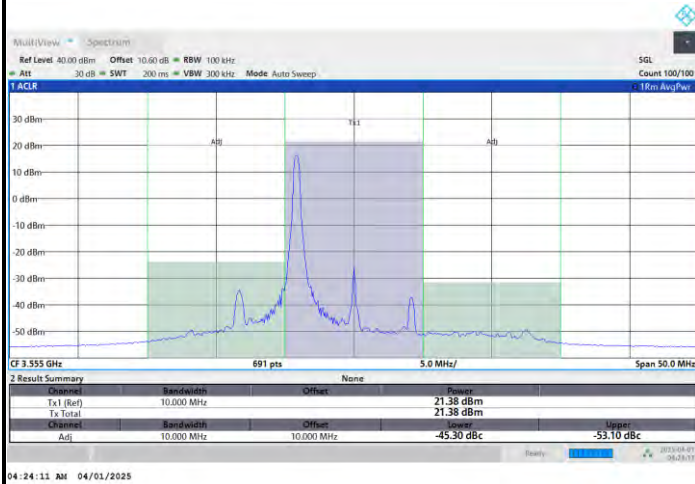




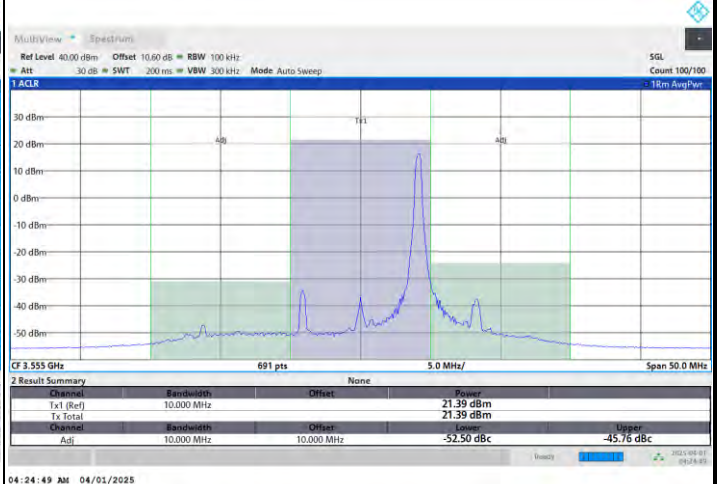
FR1 n48 / 10MHz / DFT-S OFDM / 64QAM

Lowest Channel

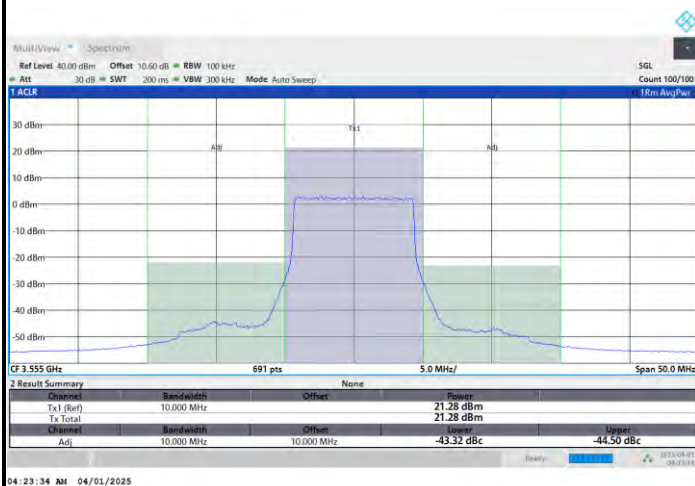
1RB0



1RBmax



Full RB

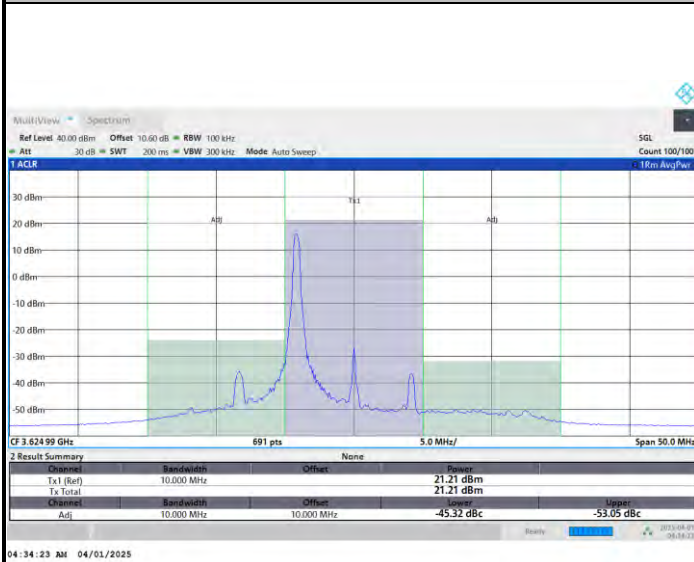




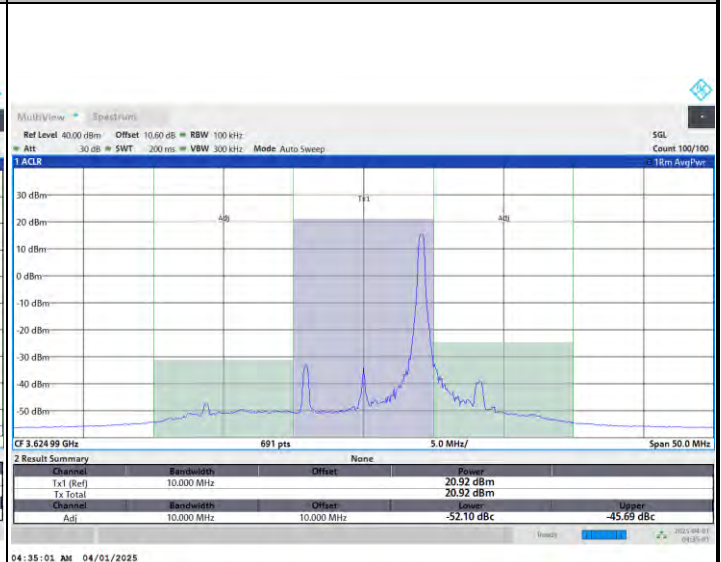
FR1 n48 / 10MHz / DFT-S OFDM / 64QAM

Middle Channel

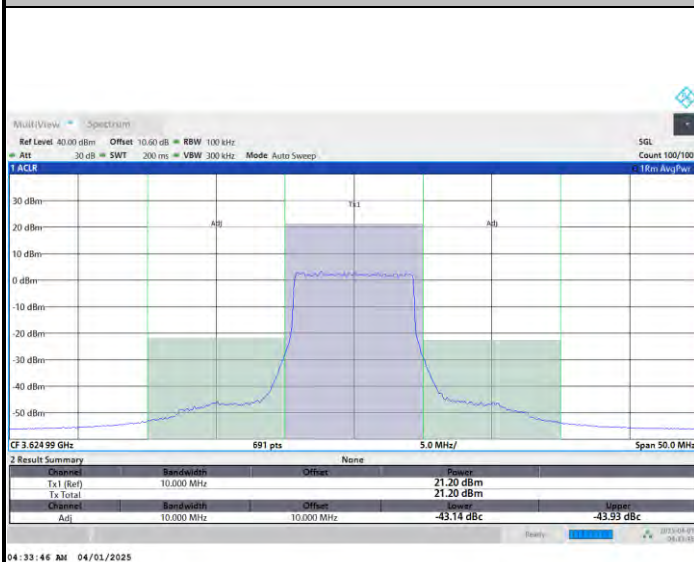
1RB0



1RBmax



Full RB

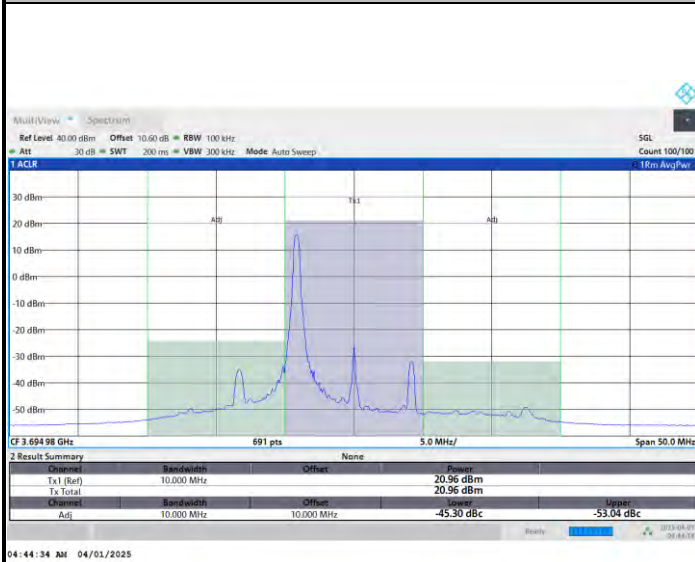




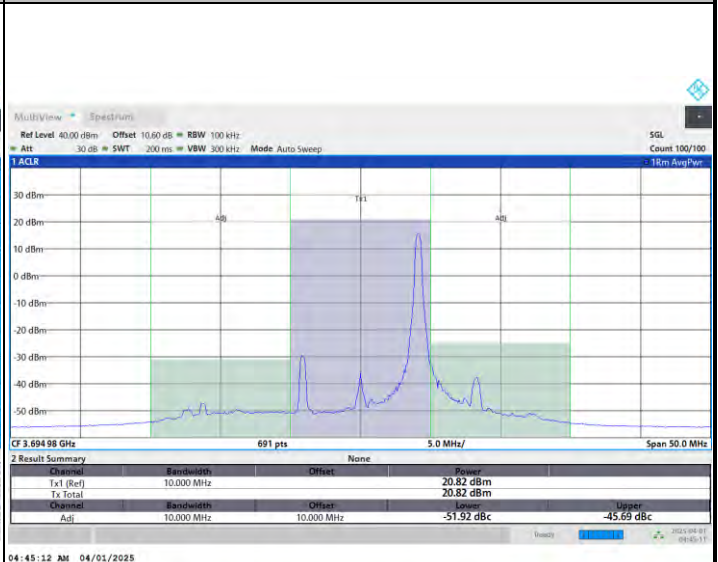
FR1 n48 / 10MHz / DFT-S OFDM / 64QAM

Highest Channel

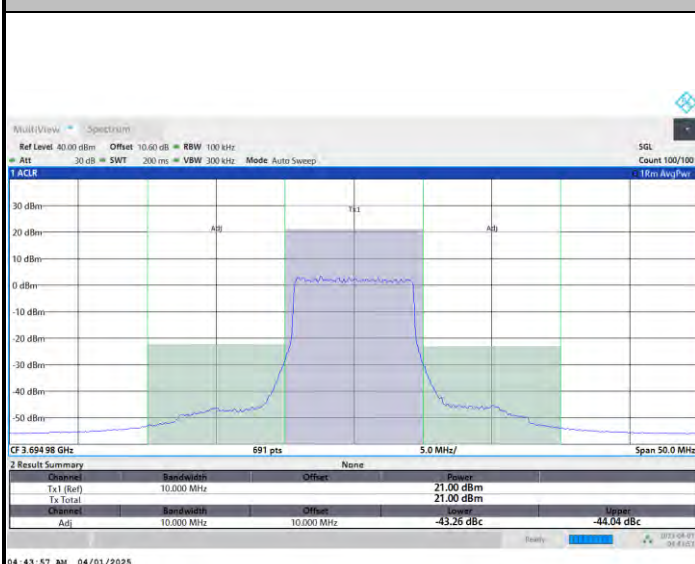
1RB0



1RBmax



Full RB

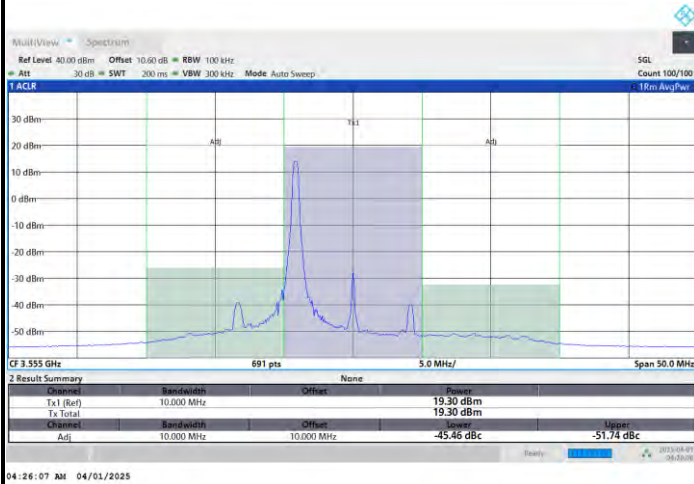




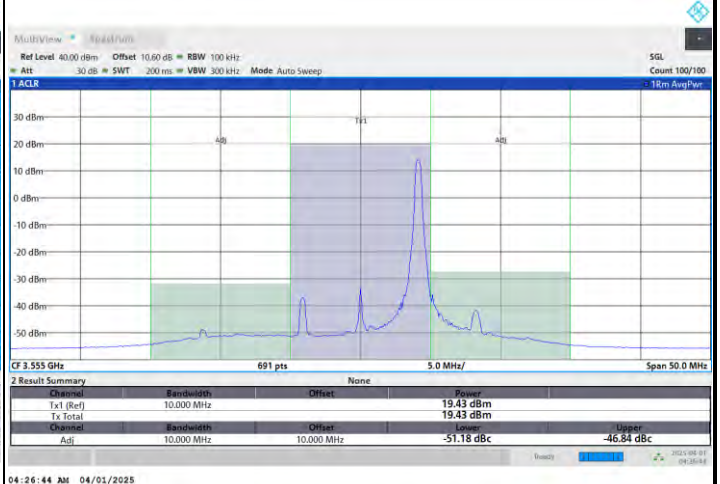
FR1 n48 / 10MHz / DFT-S OFDM / 256QAM

Lowest Channel

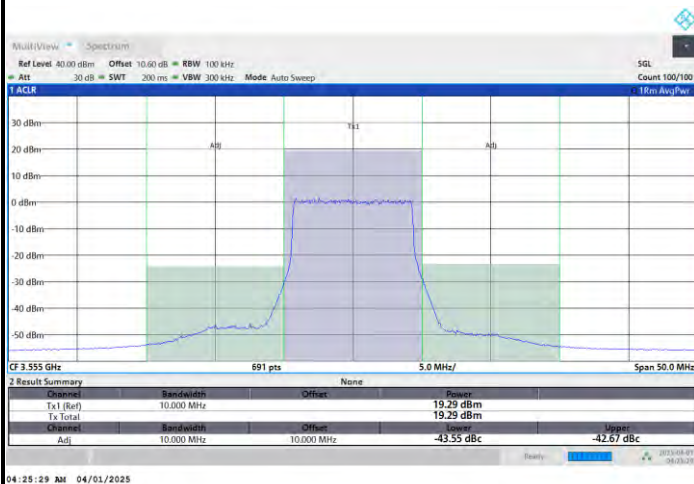
1RB0



1RBmax



Full RB

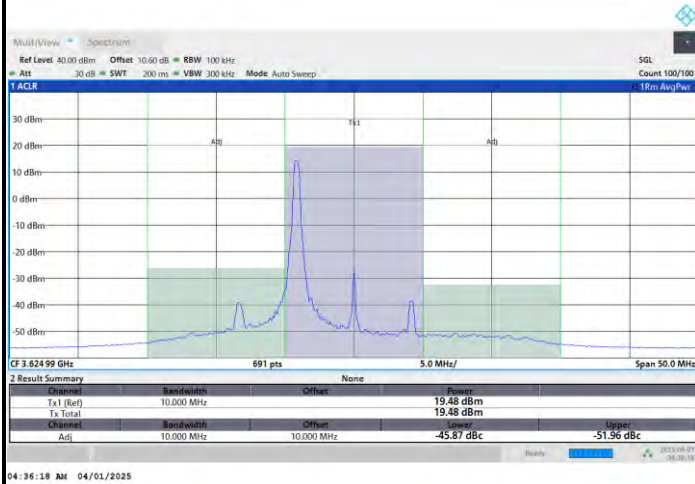




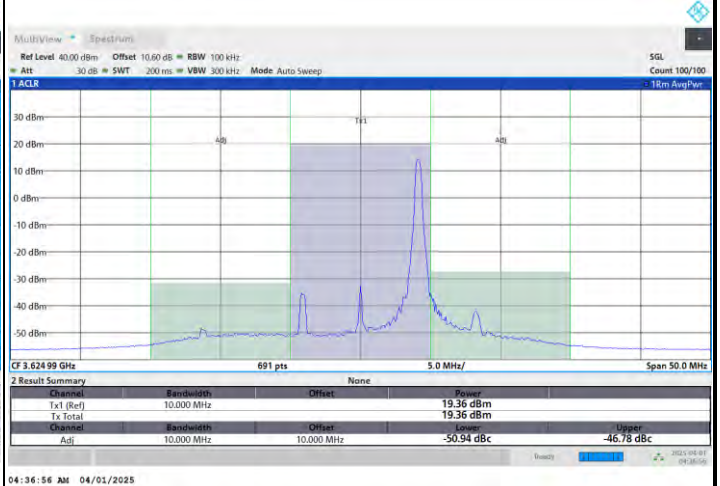
FR1 n48 / 10MHz / DFT-S OFDM / 256QAM

Middle Channel

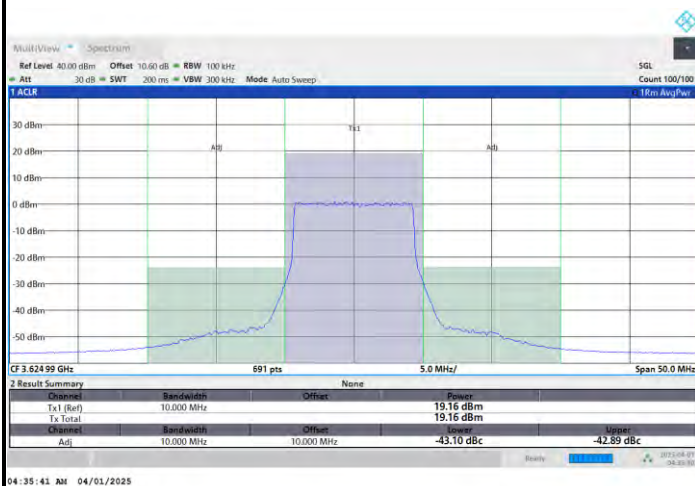
1RB0



1RBmax



Full RB

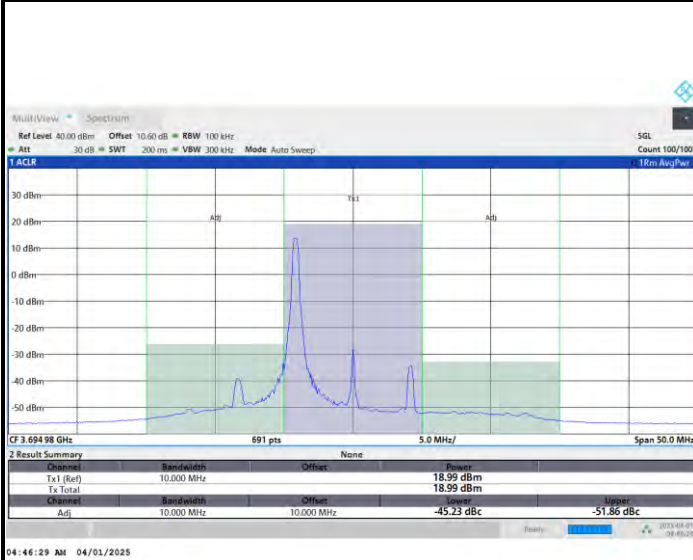




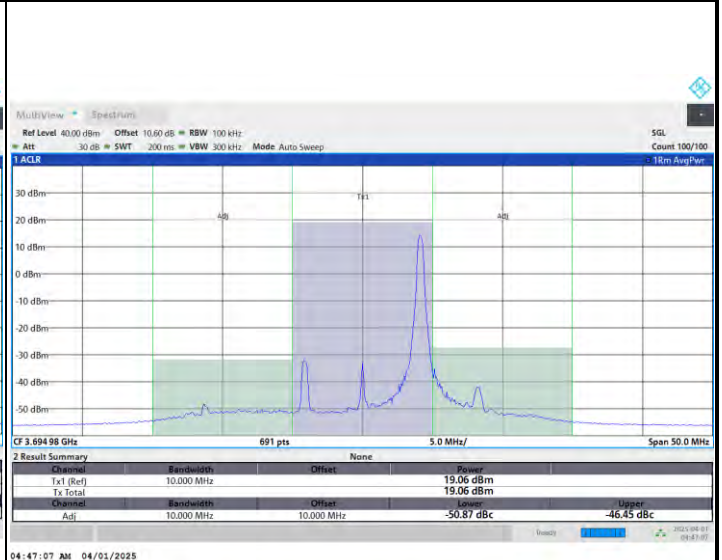
FR1 n48 / 10MHz / DFT-S OFDM / 256QAM

Highest Channel

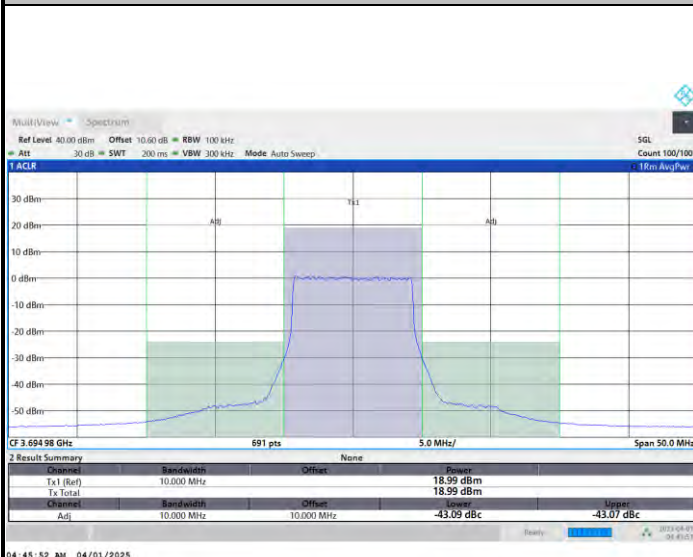
1RB0



1RBmax



Full RB

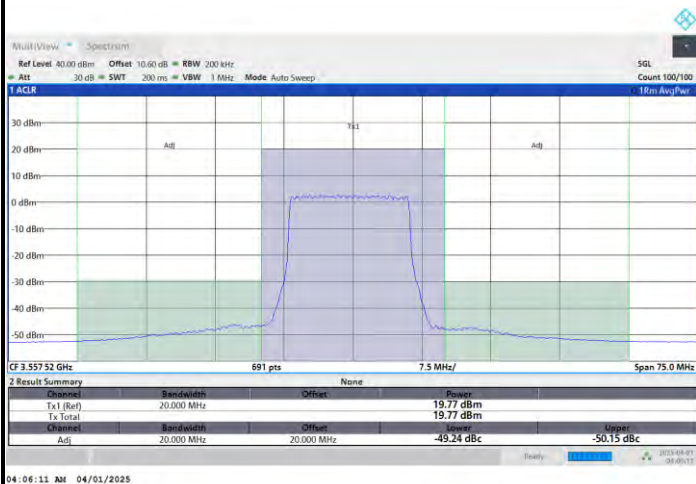




FR1 n48 / 15MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

Full RB

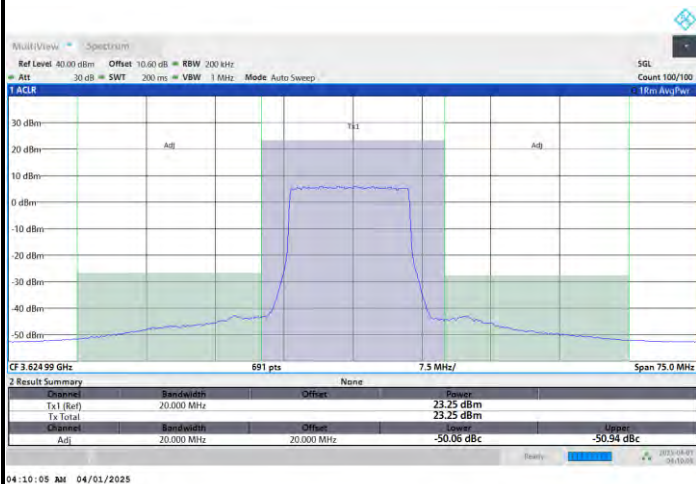




FR1 n48 / 15MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

Full RB

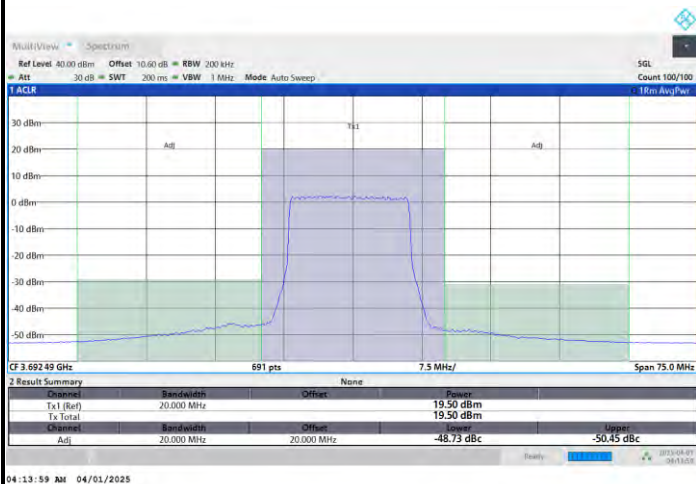




FR1 n48 / 15MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

Full RB

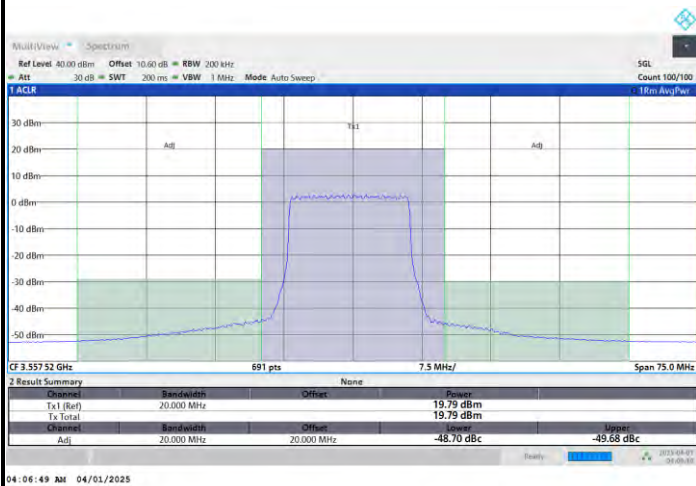




FR1 n48 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel

Full RB

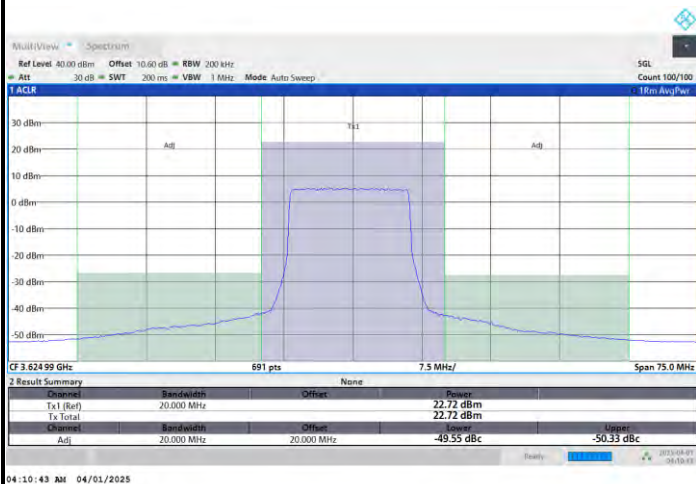




FR1 n48 / 15MHz / DFT-S OFDM / QPSK

Middle Channel

Full RB

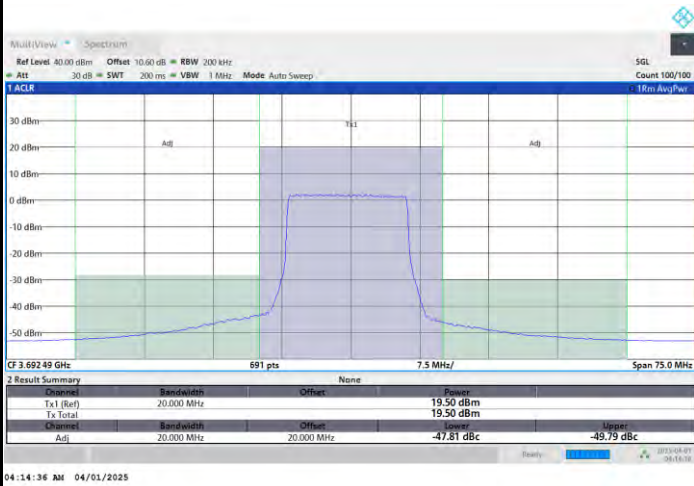




FR1 n48 / 15MHz / DFT-S OFDM / QPSK

Highest Channel

Full RB

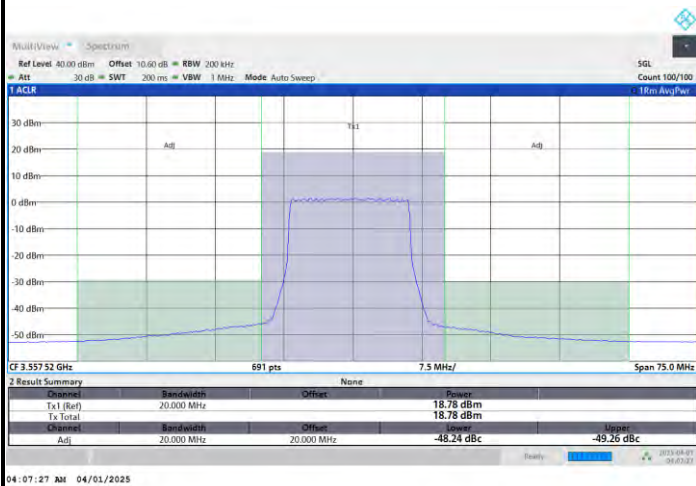




FR1 n48 / 15MHz / DFT-S OFDM / 16QAM

Lowest Channel

Full RB

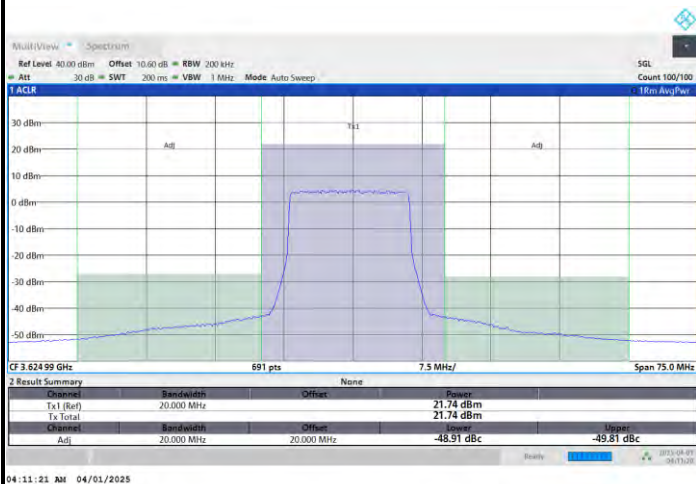




FR1 n48 / 15MHz / DFT-S OFDM / 16QAM

Middle Channel

Full RB

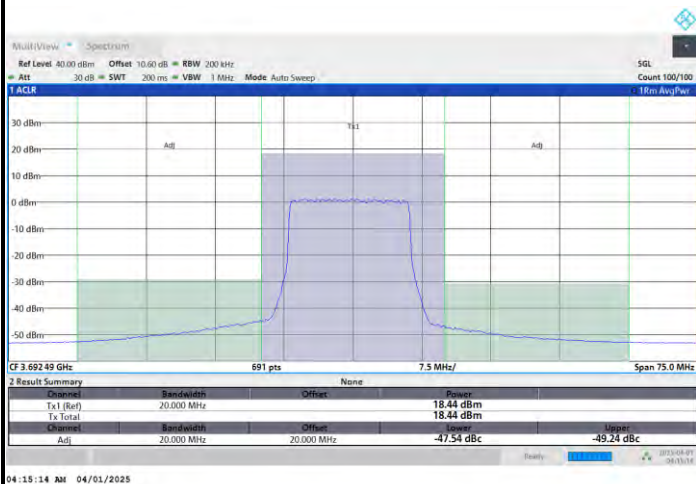




FR1 n48 / 15MHz / DFT-S OFDM / 16QAM

Highest Channel

Full RB

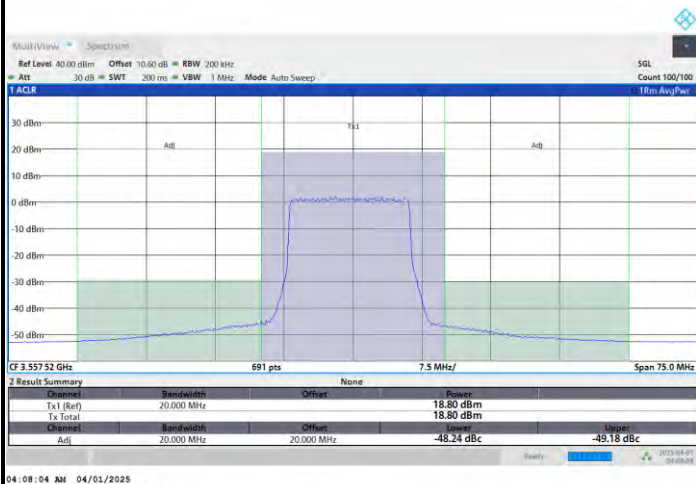




FR1 n48 / 15MHz / DFT-S OFDM / 64QAM

Lowest Channel

Full RB

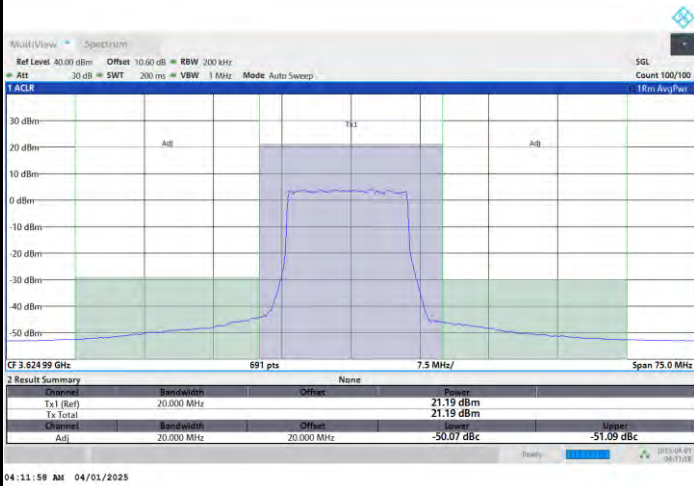




FR1 n48 / 15MHz / DFT-S OFDM / 64QAM

Middle Channel

Full RB

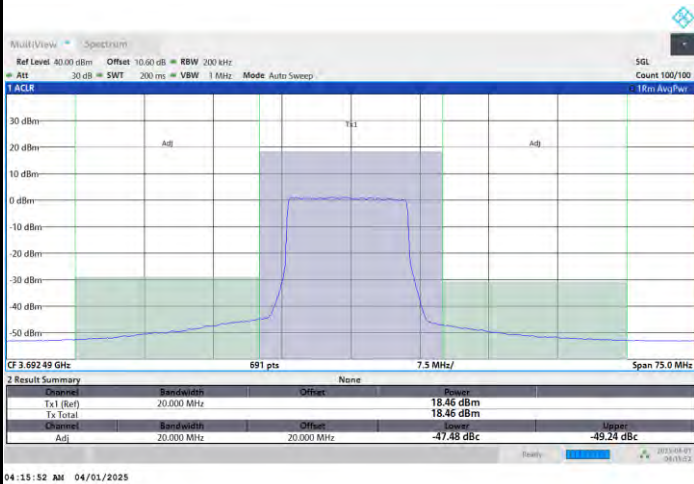




FR1 n48 / 15MHz / DFT-S OFDM / 64QAM

Highest Channel

Full RB

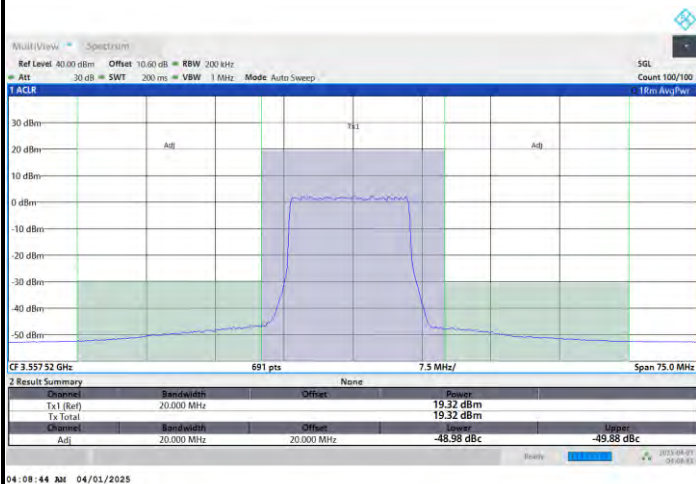




FR1 n48 / 15MHz / DFT-S OFDM / 256QAM

Lowest Channel

Full RB

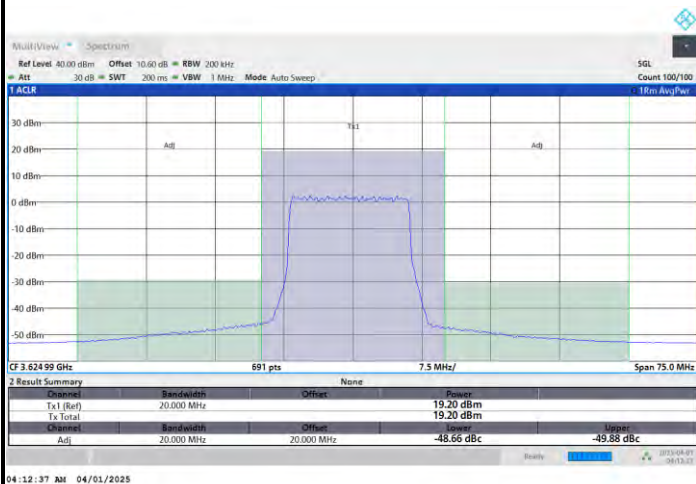




FR1 n48 / 15MHz / DFT-S OFDM / 256QAM

Middle Channel

Full RB

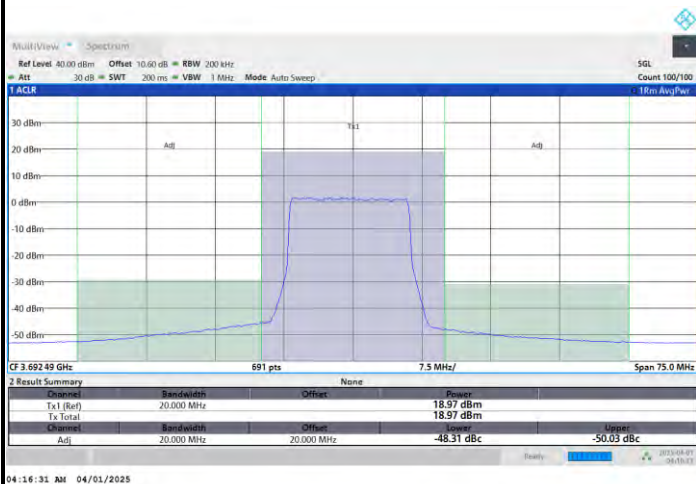




FR1 n48 / 15MHz / DFT-S OFDM / 256QAM

Highest Channel

Full RB

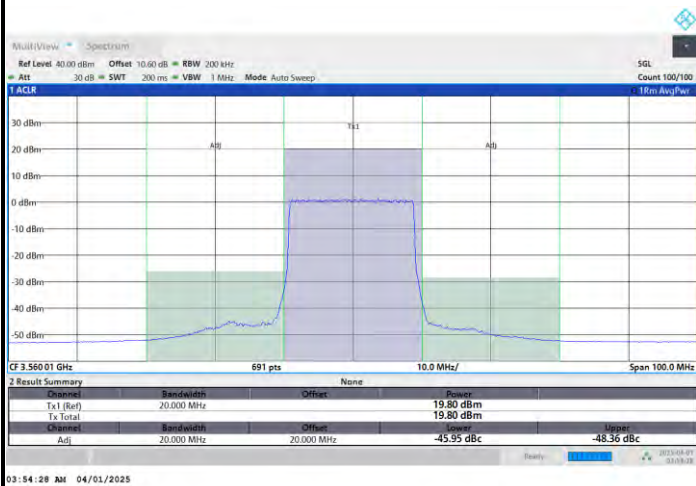




FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

Full RB

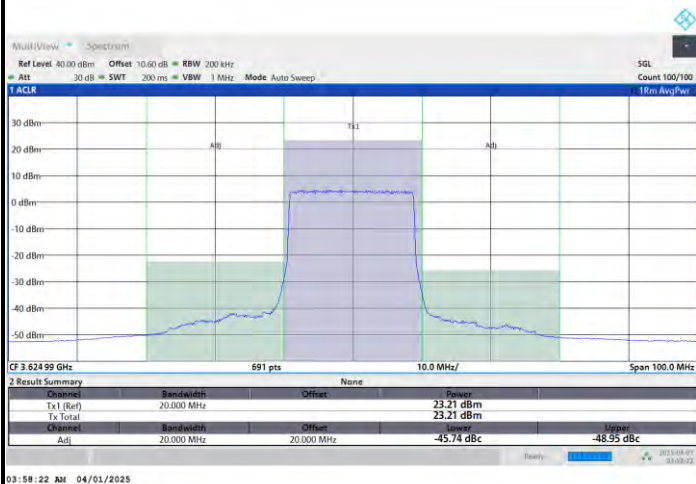




FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

Full RB

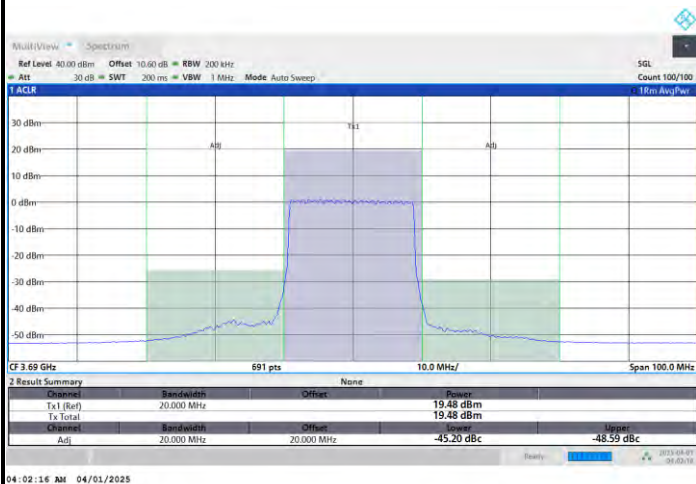




FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

Full RB

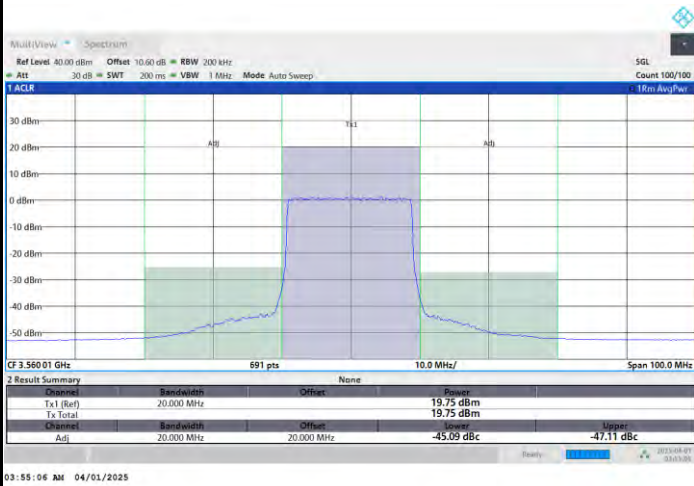




FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel

Full RB

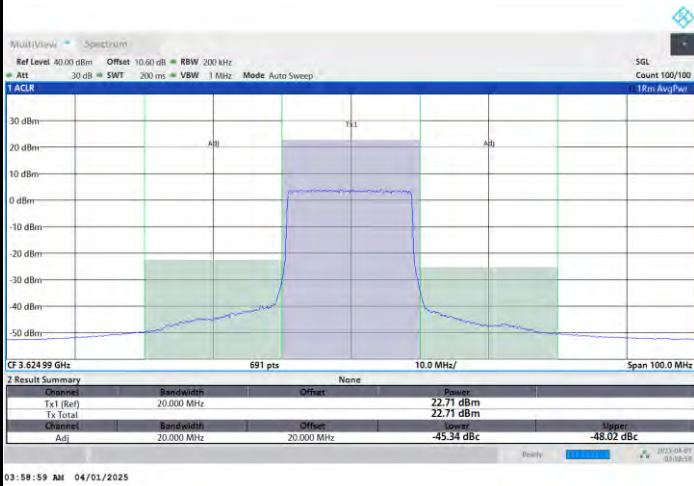




FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Middle Channel

Full RB

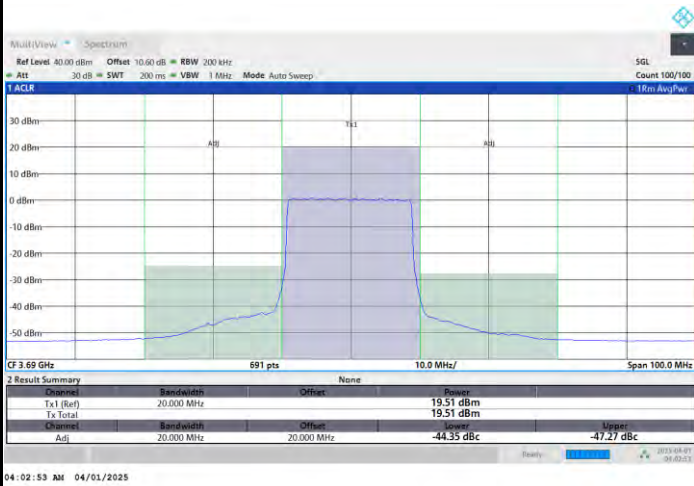




FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Highest Channel

Full RB

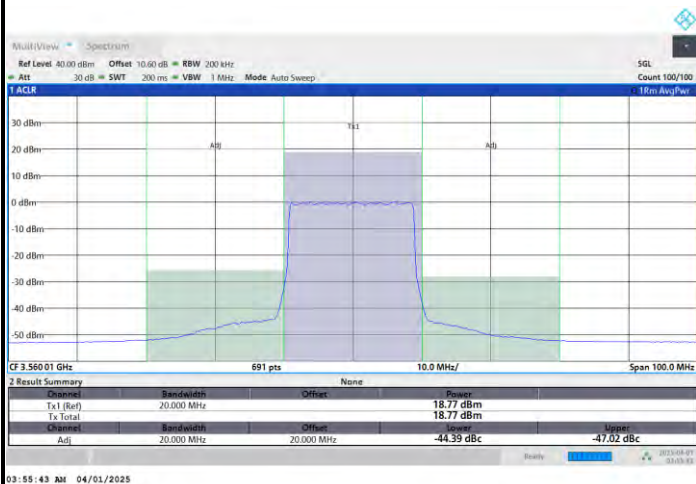




FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Lowest Channel

Full RB

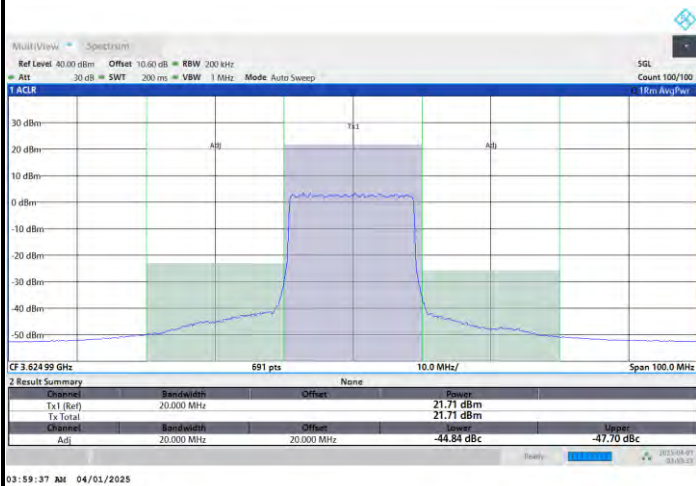




FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Middle Channel

Full RB

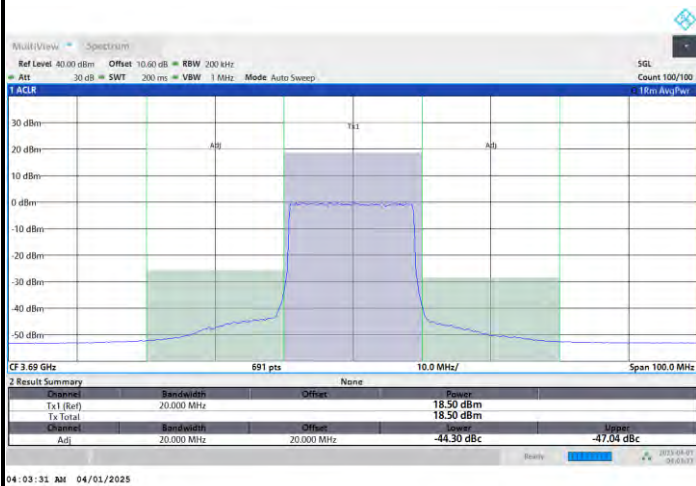




FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Highest Channel

Full RB

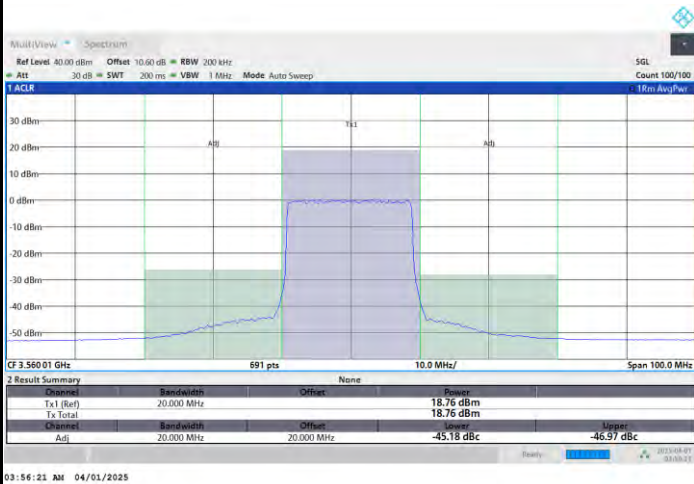




FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

Lowest Channel

Full RB

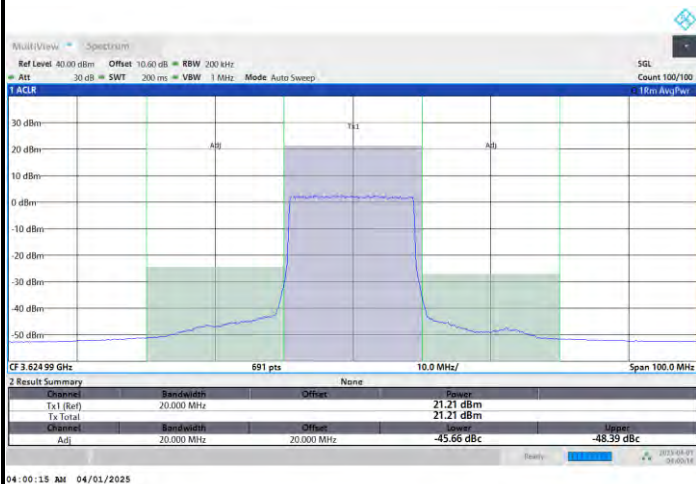




FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

Middle Channel

Full RB

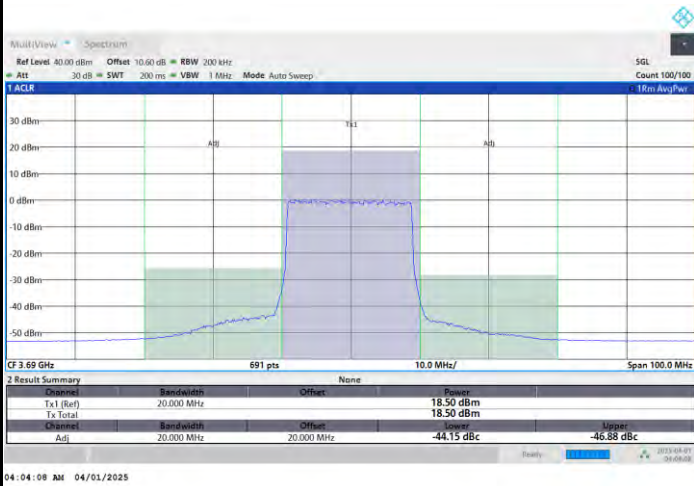




FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

Highest Channel

Full RB

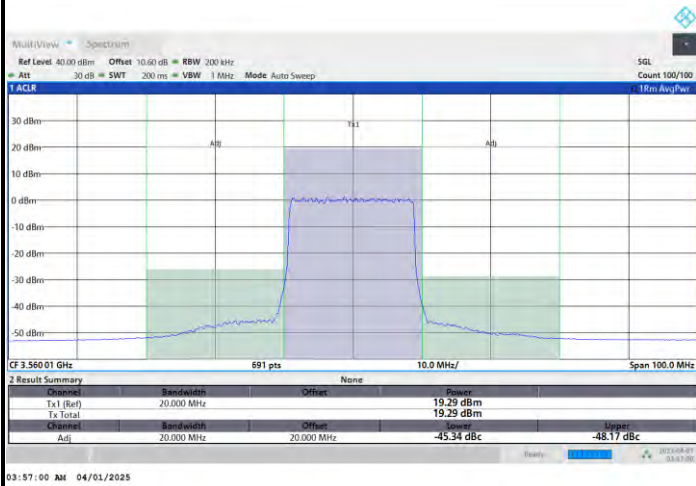




FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

Lowest Channel

Full RB

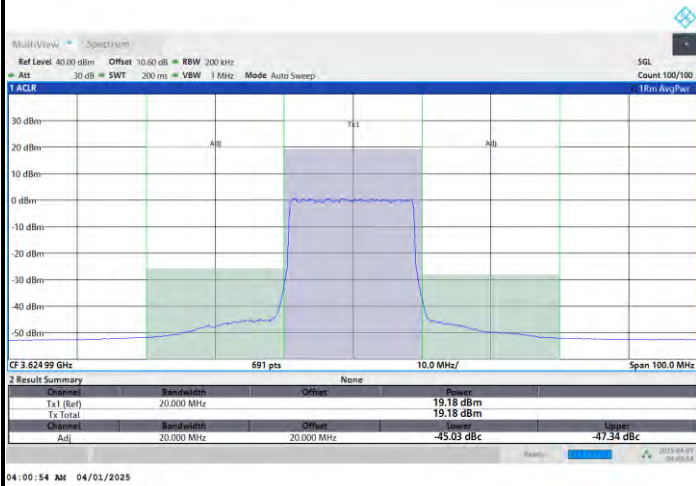




FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

Middle Channel

Full RB

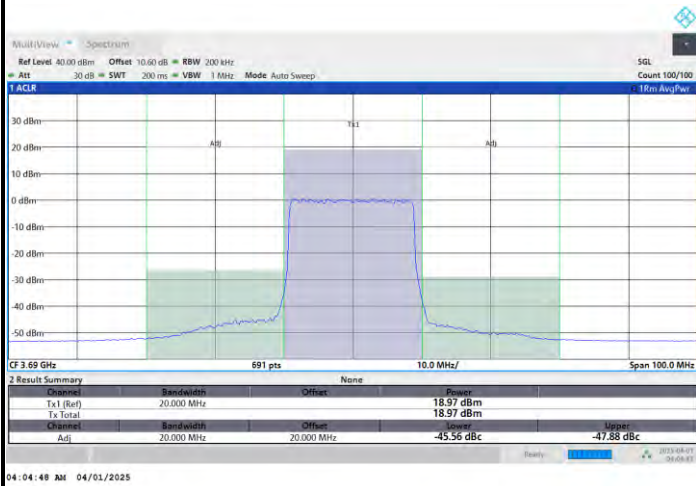




FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

Highest Channel

Full RB

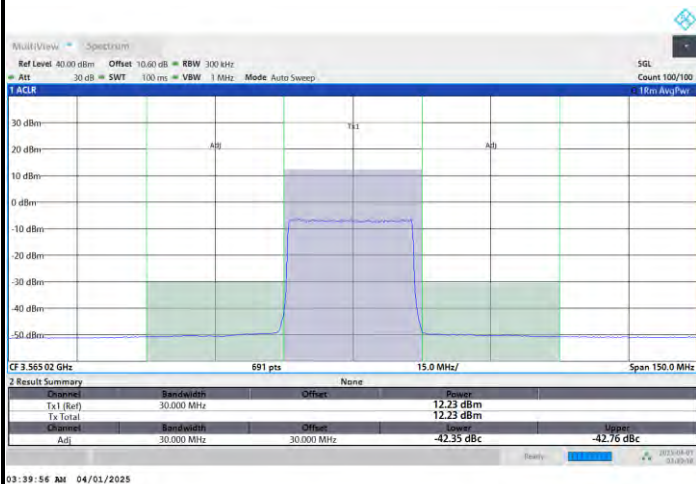




FR1 n48 / 30MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

Full RB

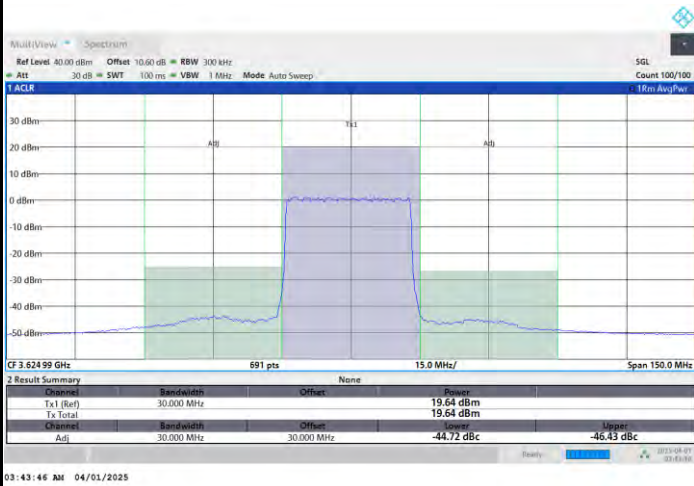




FR1 n48 / 30MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

Full RB

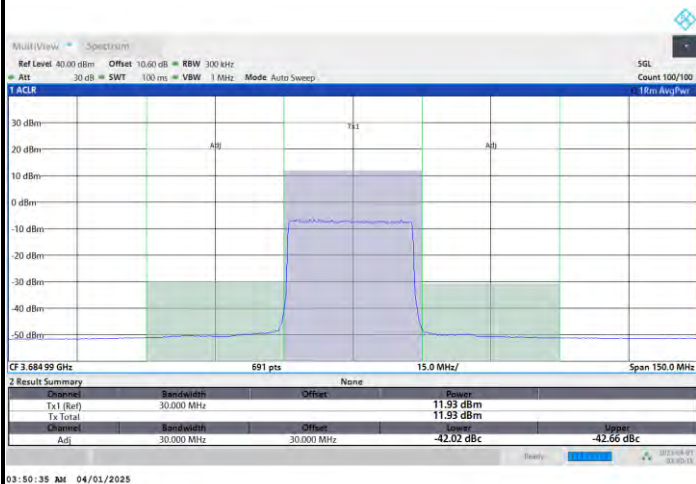




FR1 n48 / 30MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

Full RB

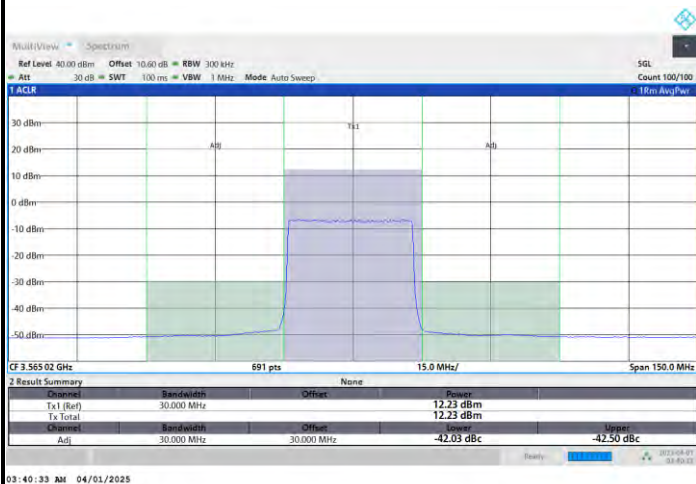




FR1 n48 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel

Full RB

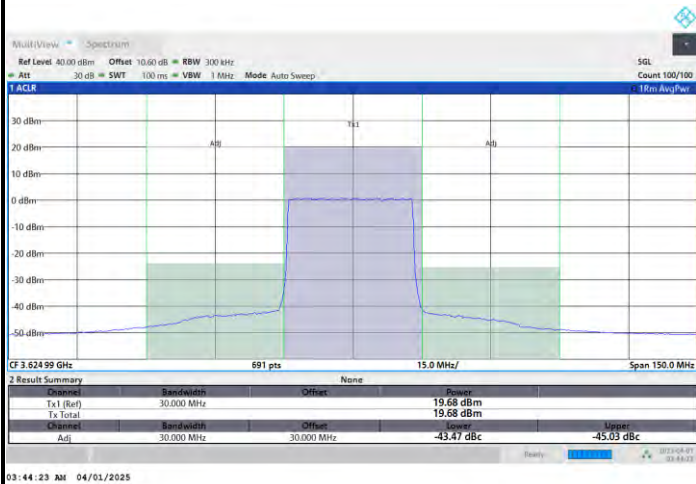




FR1 n48 / 30MHz / DFT-S OFDM / QPSK

Middle Channel

Full RB





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

Highest Channel

Full RB

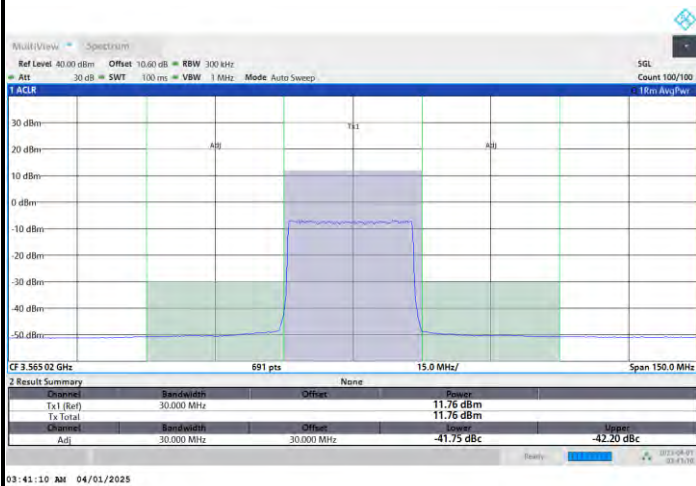




FR1 n48 / 30MHz / DFT-S OFDM / 16QAM

Lowest Channel

Full RB

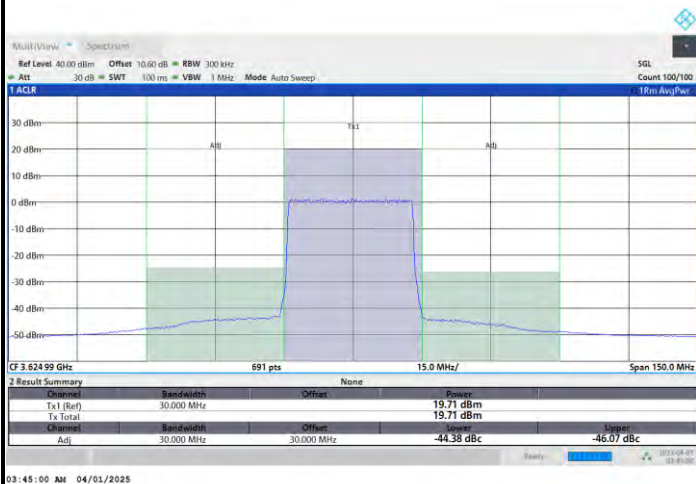




FR1 n48 / 30MHz / DFT-S OFDM / 16QAM

Middle Channel

Full RB

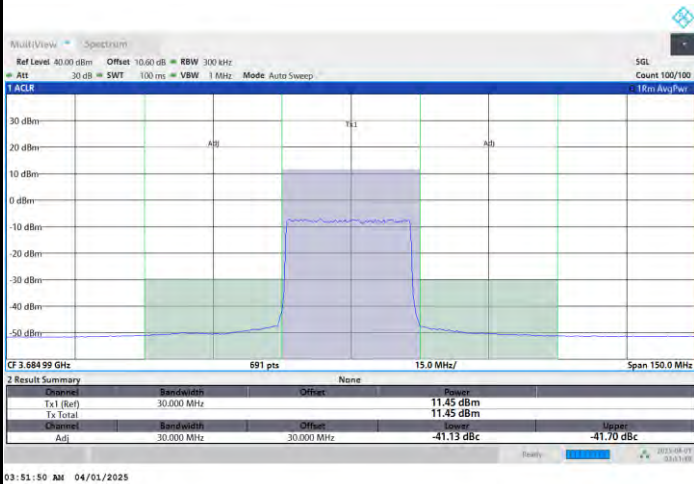




FR1 n48 / 30MHz / DFT-S OFDM / 16QAM

Highest Channel

Full RB

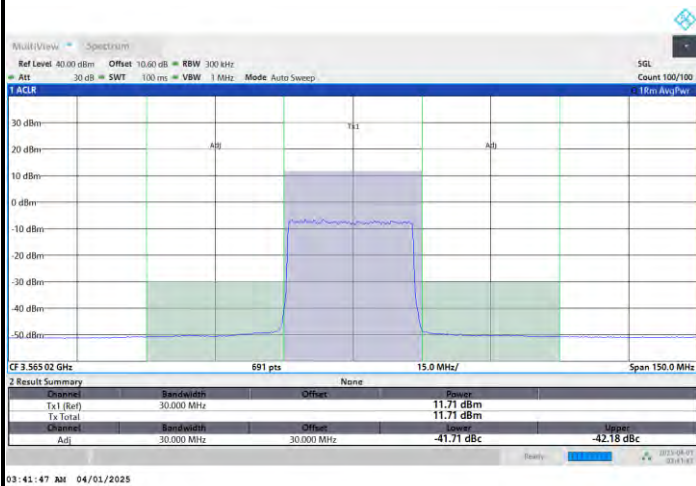




FR1 n48 / 30MHz / DFT-S OFDM / 64QAM

Lowest Channel

Full RB

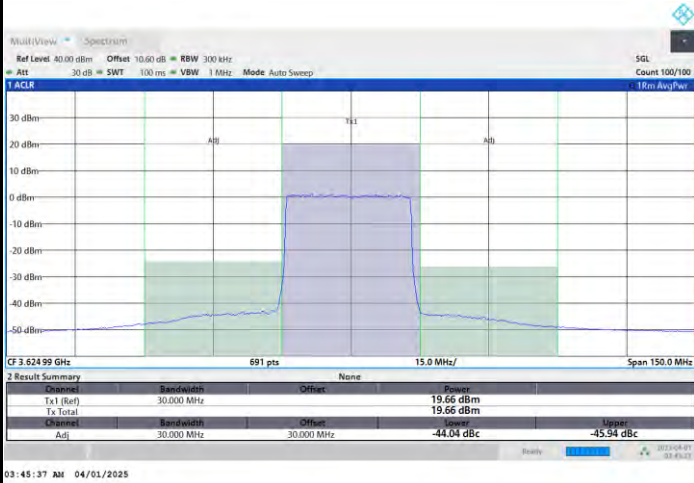




FR1 n48 / 30MHz / DFT-S OFDM / 64QAM

Middle Channel

Full RB

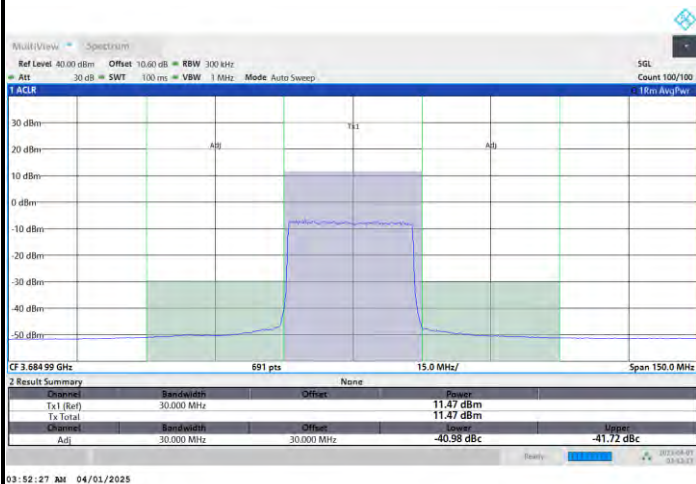




FR1 n48 / 30MHz / DFT-S OFDM / 64QAM

Highest Channel

Full RB

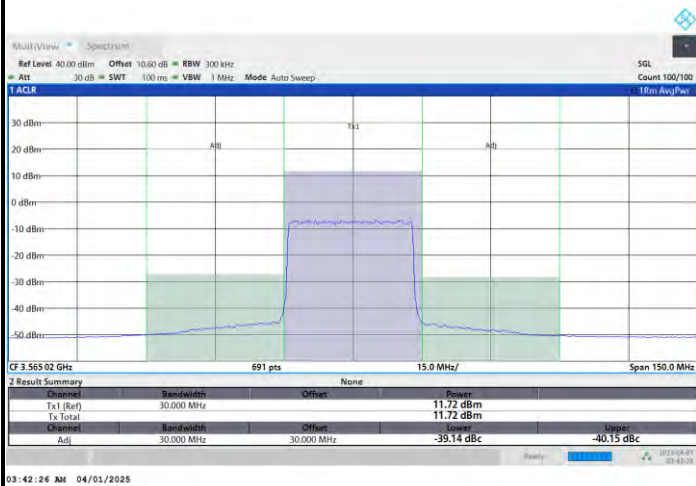




FR1 n48 / 30MHz / DFT-S OFDM / 256QAM

Lowest Channel

Full RB

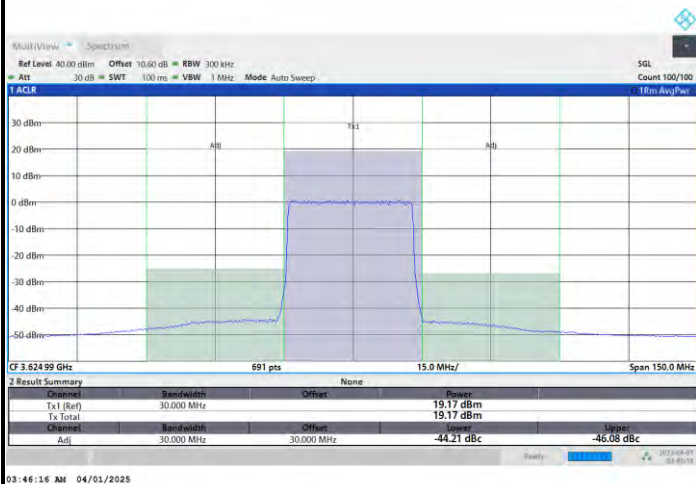




FR1 n48 / 30MHz / DFT-S OFDM / 256QAM

Middle Channel

Full RB

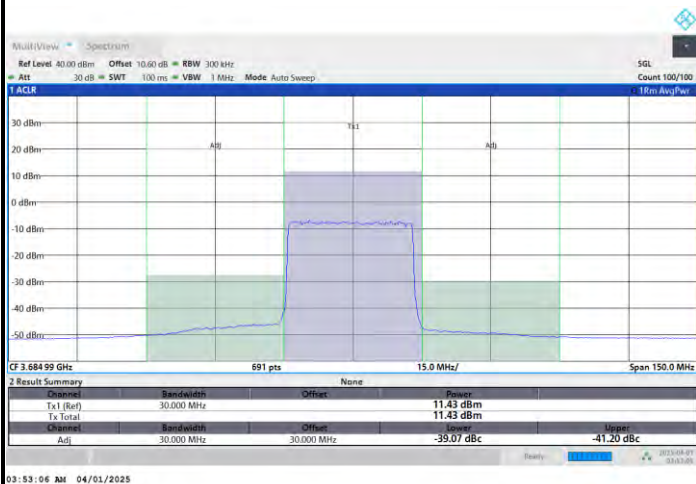




FR1 n48 / 30MHz / DFT-S OFDM / 256QAM

Highest Channel

Full RB

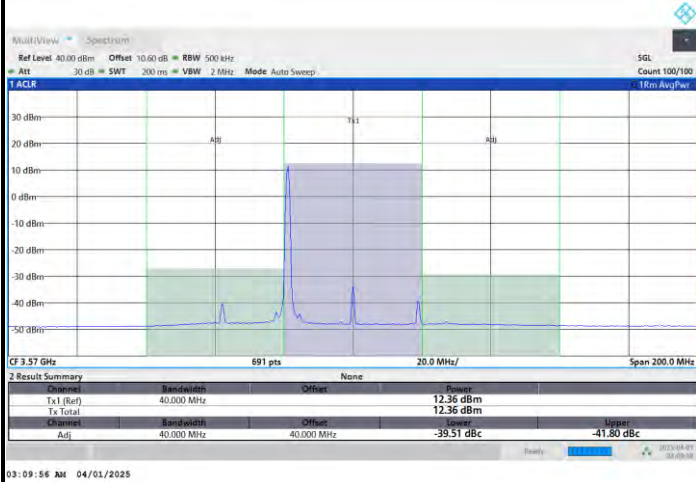




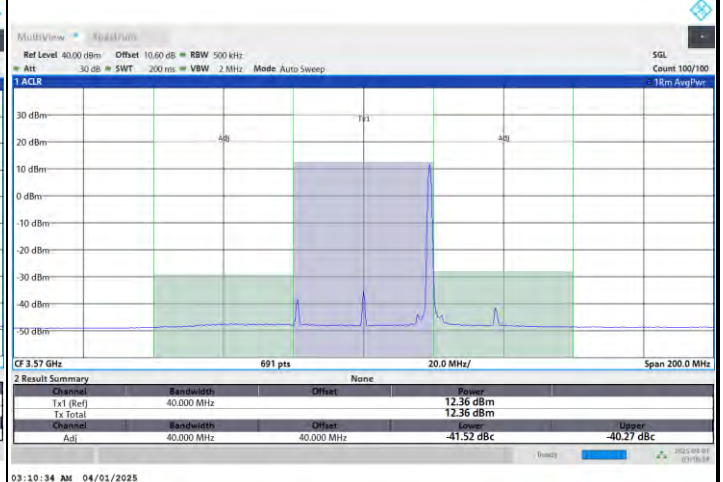
FR1 n48 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

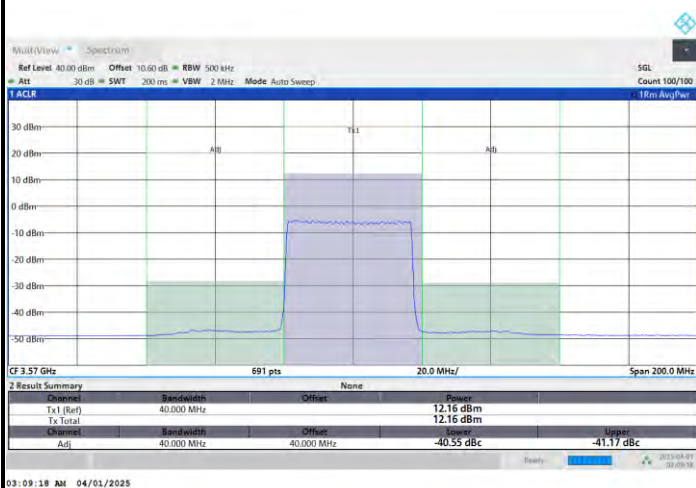
1RB0



1RBmax



Full RB

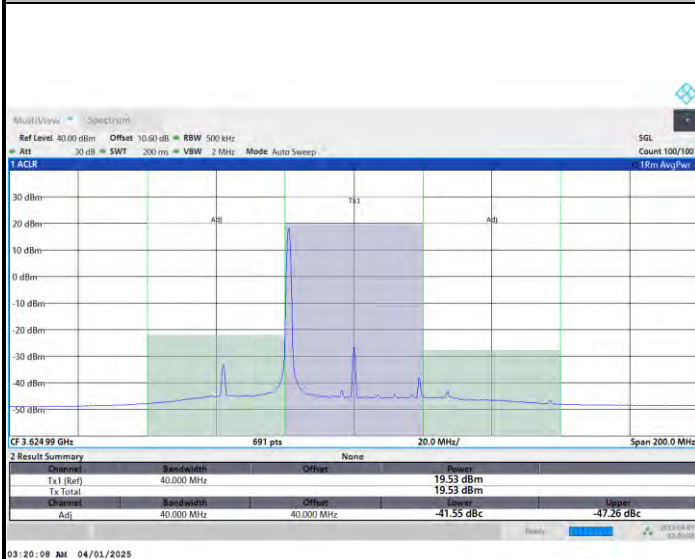




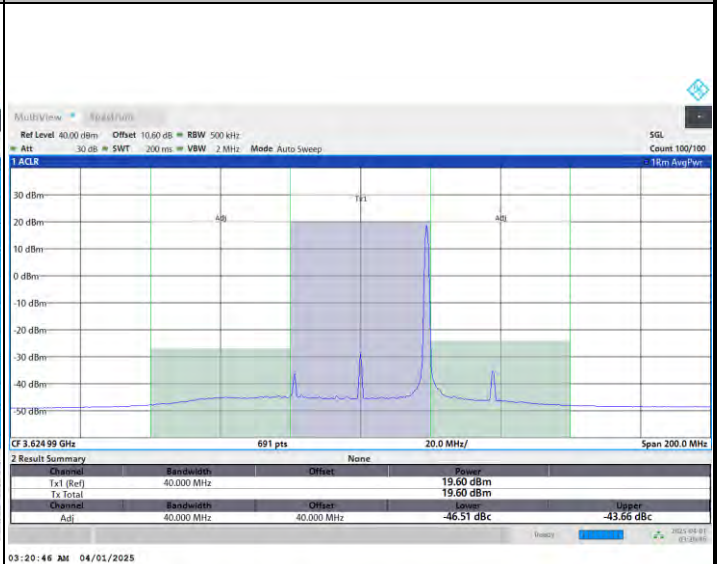
FR1 n48 / 40MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

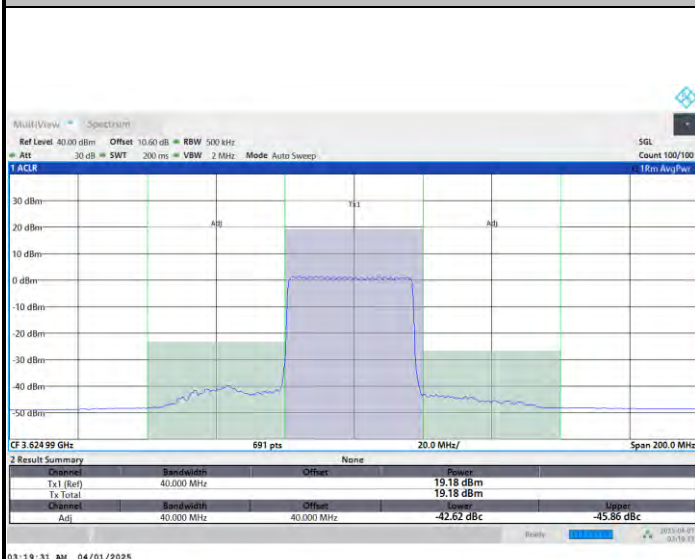
1RB0



1RBmax



Full RB





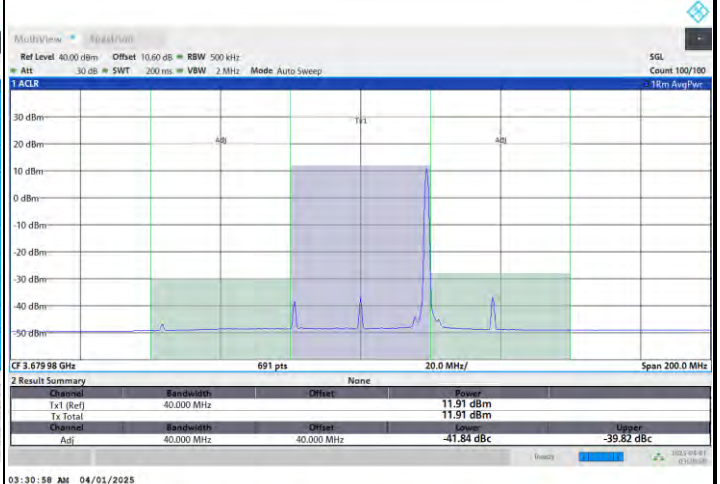
FR1 n48 / 40MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

1RB0



1RBmax



Full RB

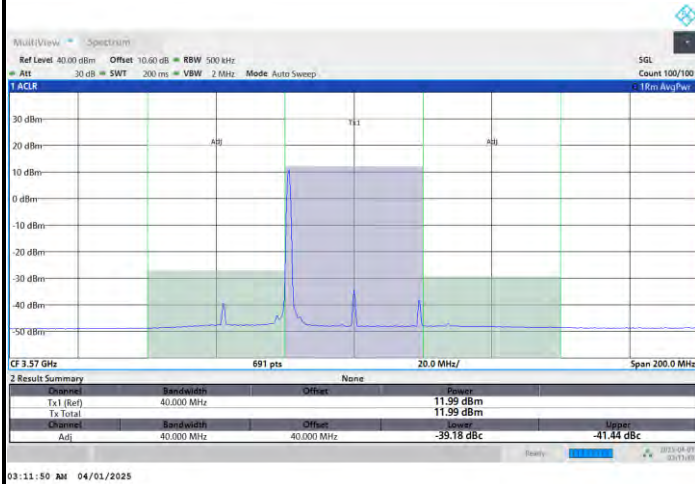




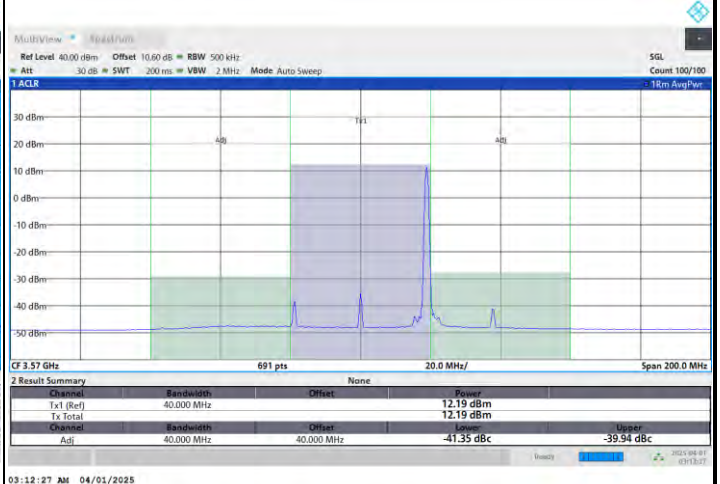
FR1 n48 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel

1RB0



1RBmax



Full RB

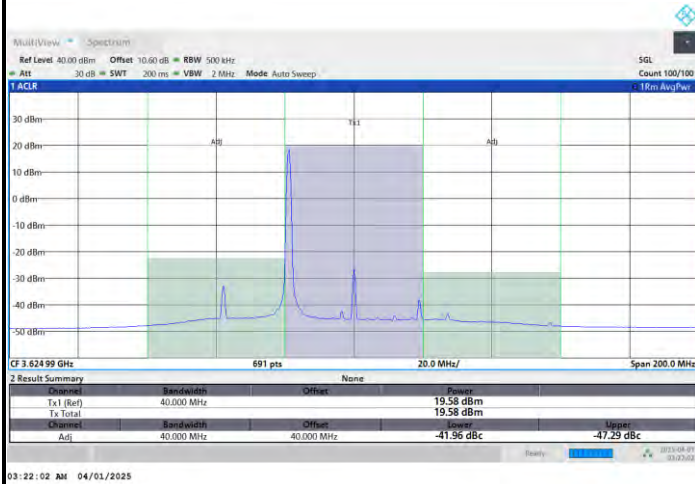




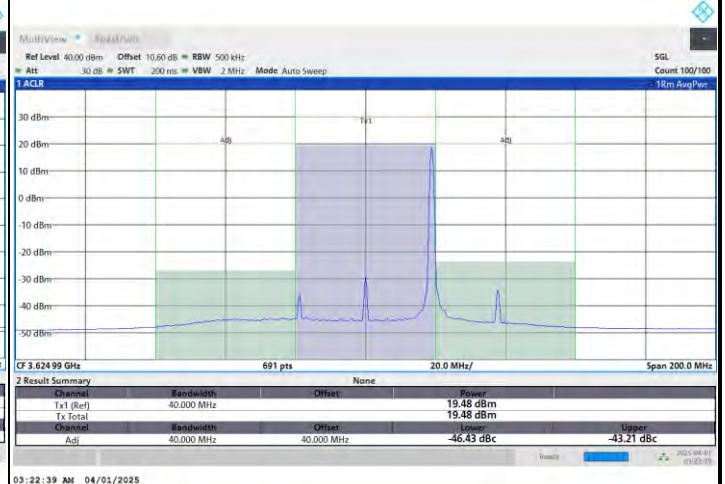
FR1 n48 / 40MHz / DFT-S OFDM / QPSK

Middle Channel

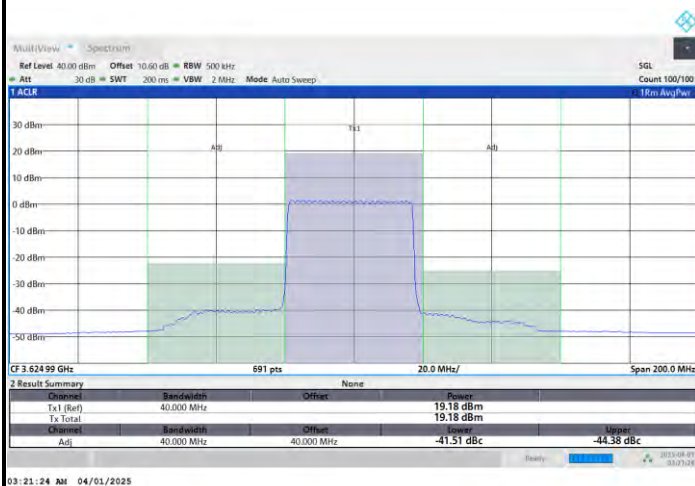
1RB0



1RBmax



Full RB

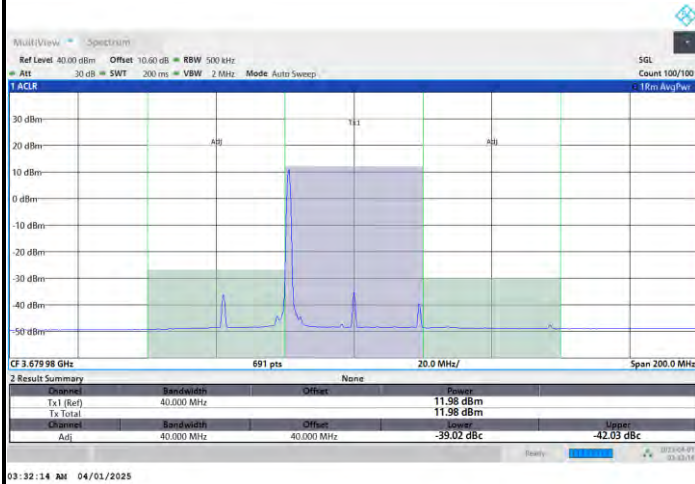




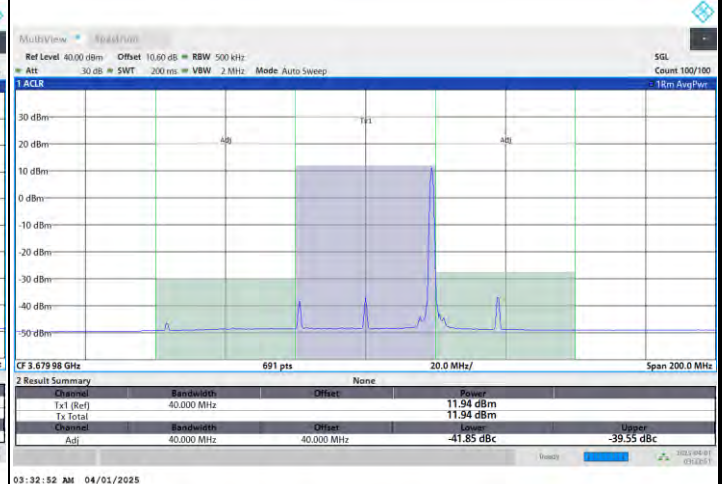
FR1 n48 / 40MHz / DFT-S OFDM / QPSK

Highest Channel

1RB0



1RBmax



Full RB

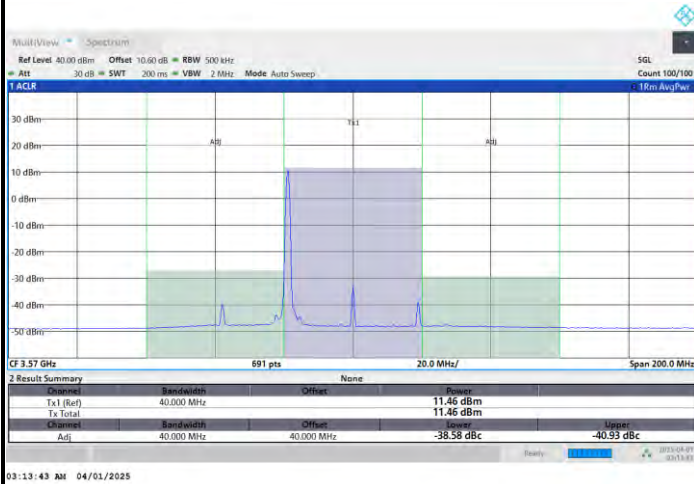




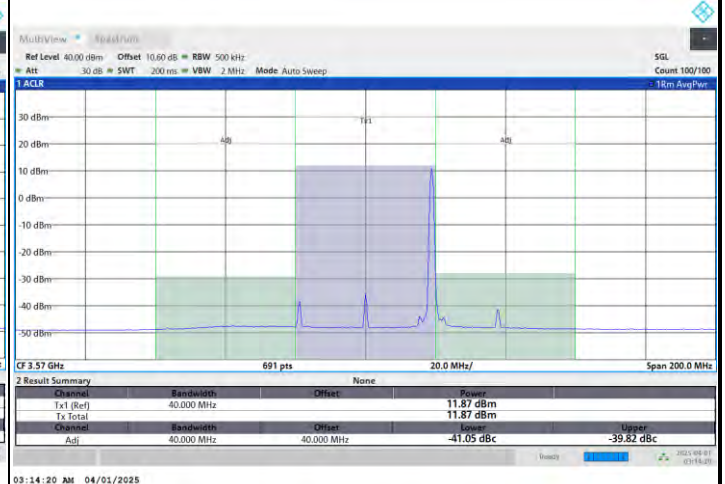
FR1 n48 / 40MHz / DFT-S OFDM / 16QAM

Lowest Channel

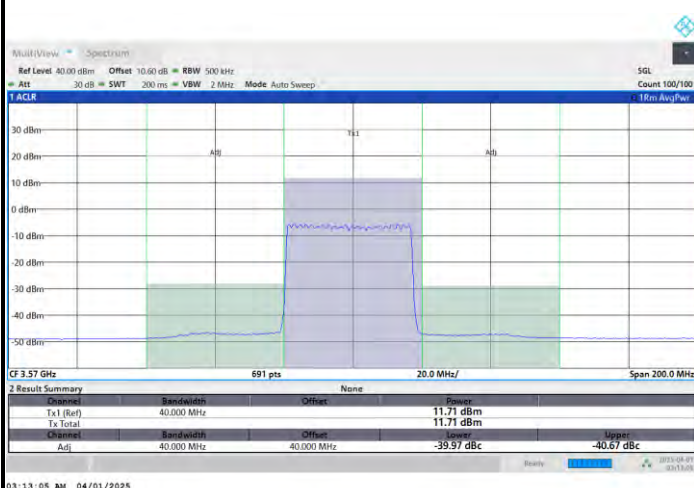
1RB0



1RBmax



Full RB

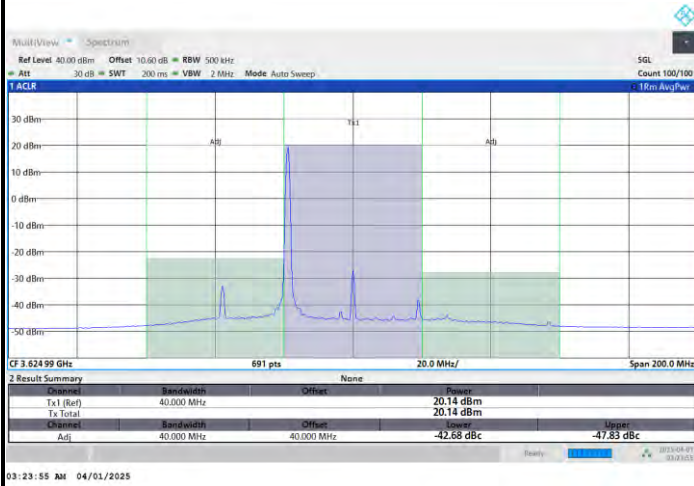




FR1 n48 / 40MHz / DFT-S OFDM / 16QAM

Middle Channel

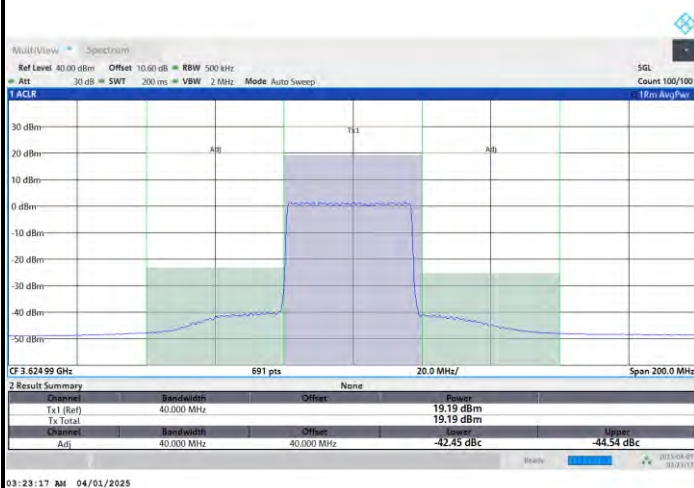
1RB0



1RBmax



Full RB

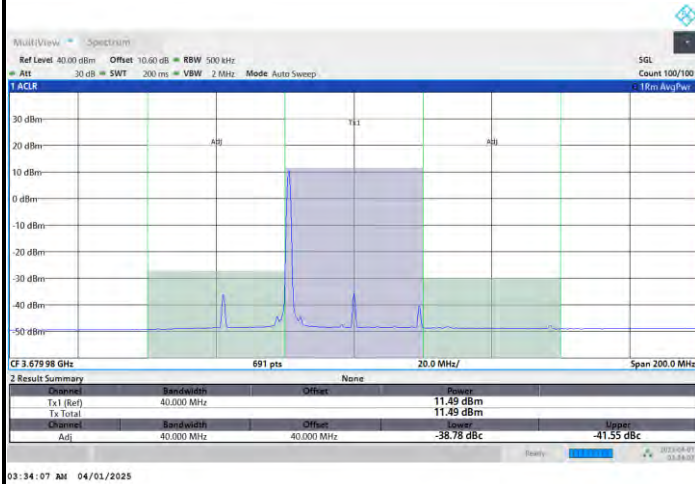




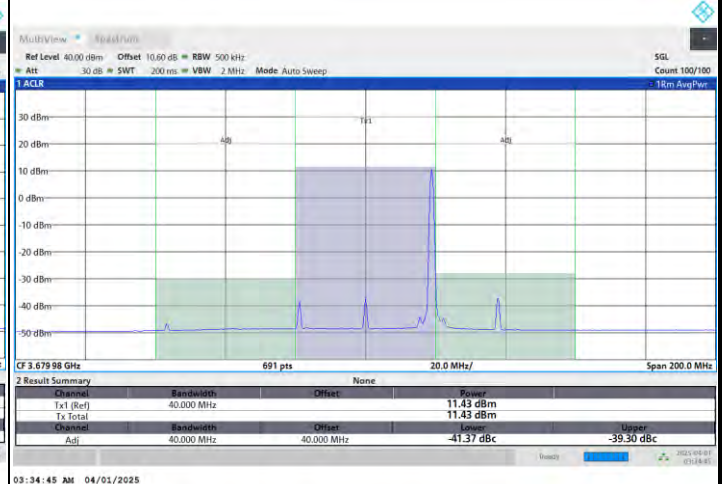
FR1 n48 / 40MHz / DFT-S OFDM / 16QAM

Highest Channel

1RB0



1RBmax



Full RB

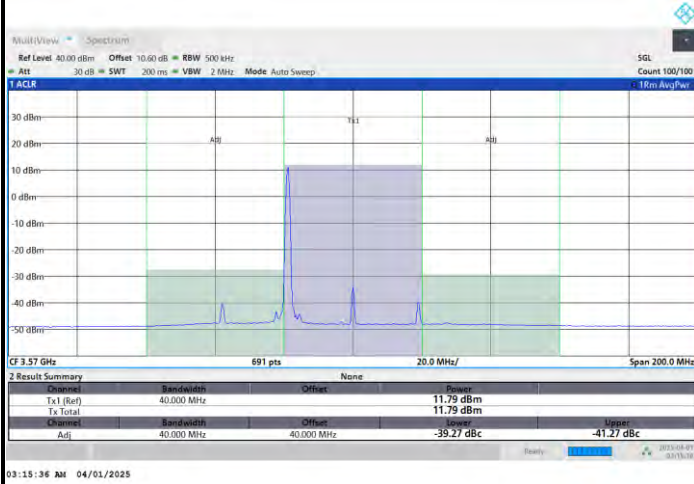




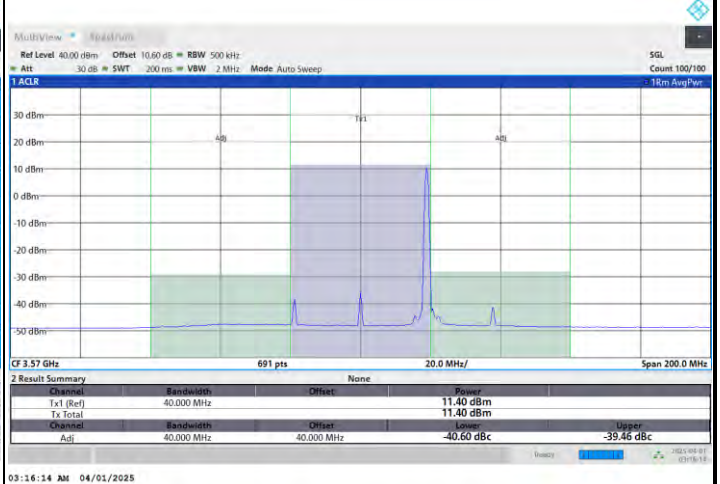
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM

Lowest Channel

1RB0



1RBmax



Full RB

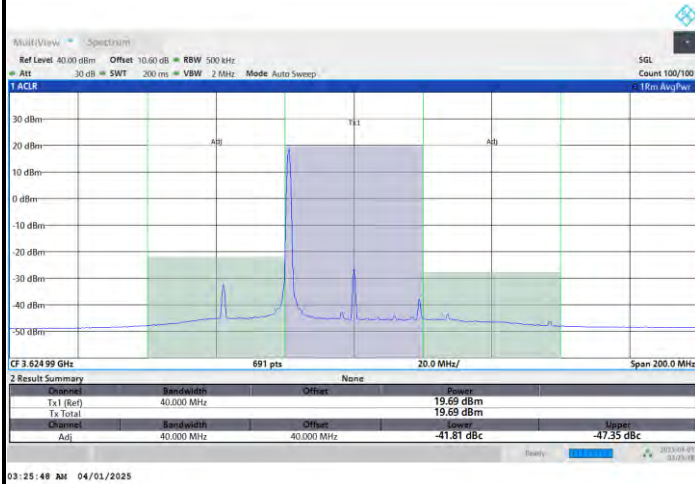




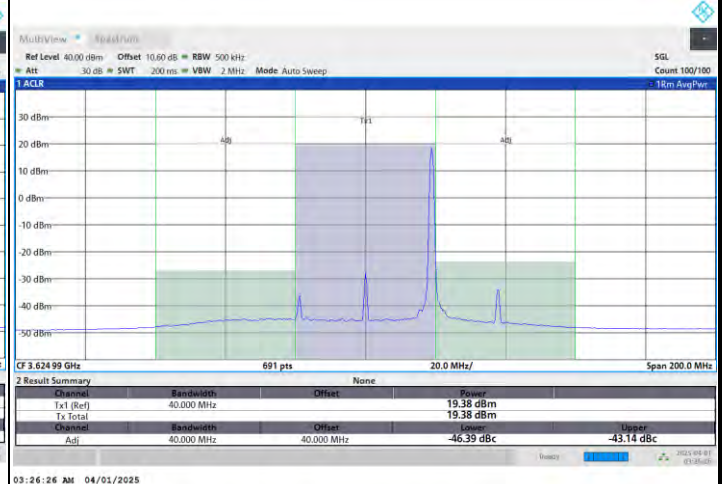
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM

Middle Channel

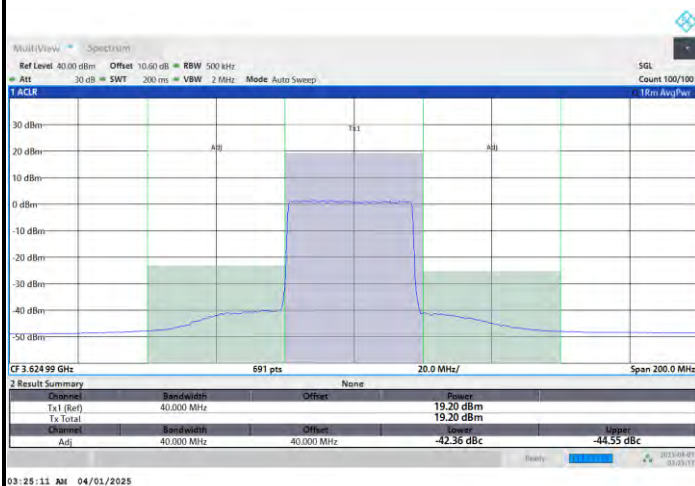
1RB0



1RBmax



Full RB





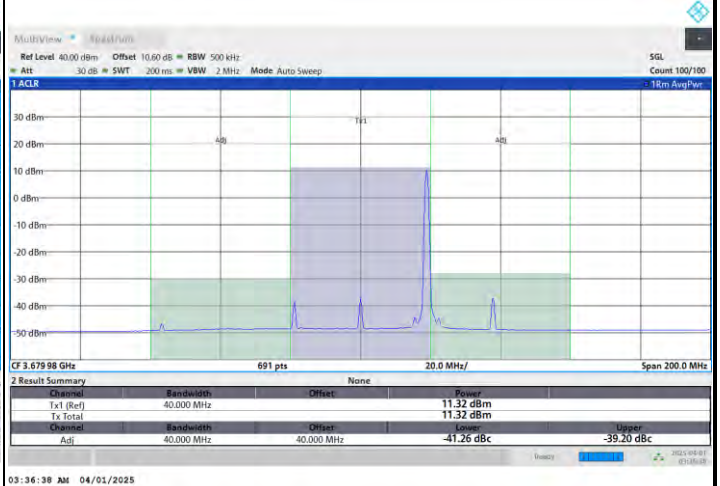
FR1 n48 / 40MHz / DFT-S OFDM / 64QAM

Highest Channel

1RB0



1RBmax



Full RB

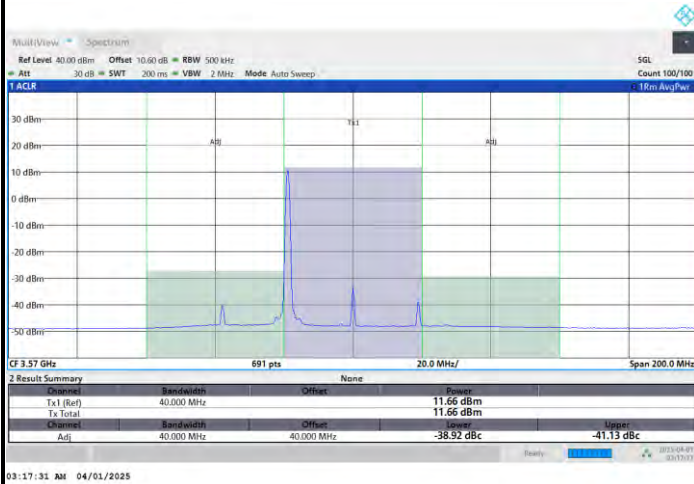




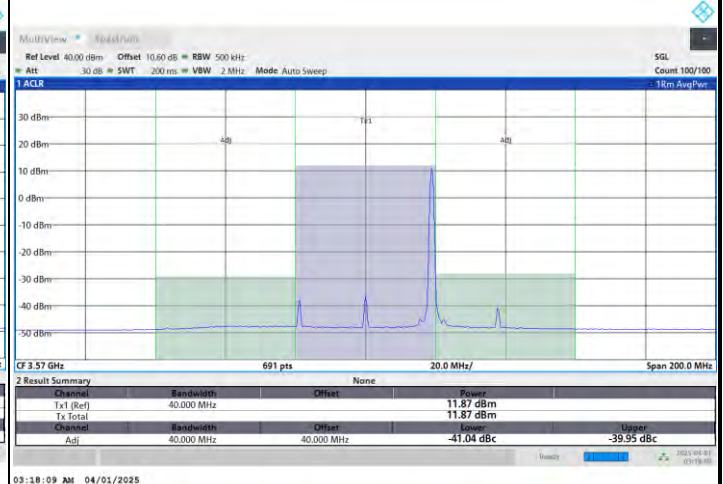
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM

Lowest Channel

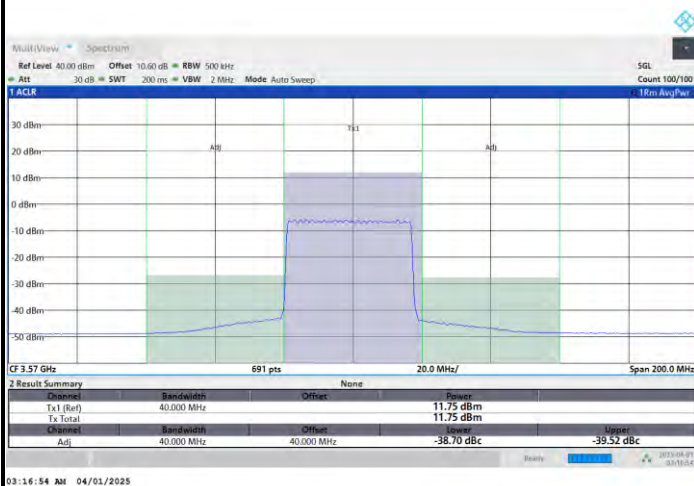
1RB0



1RBmax



Full RB

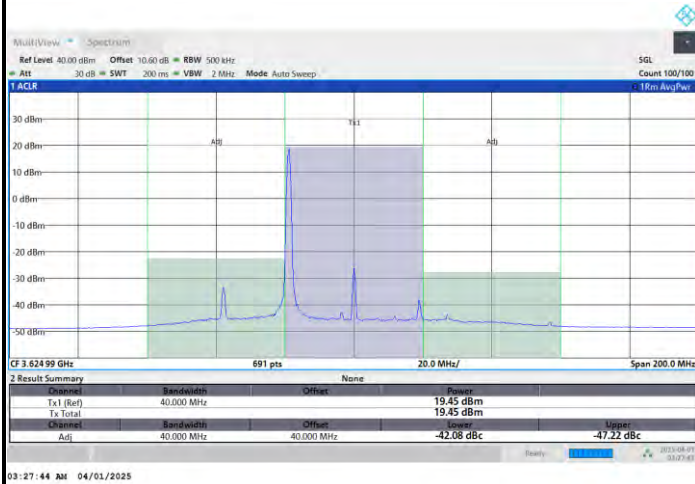




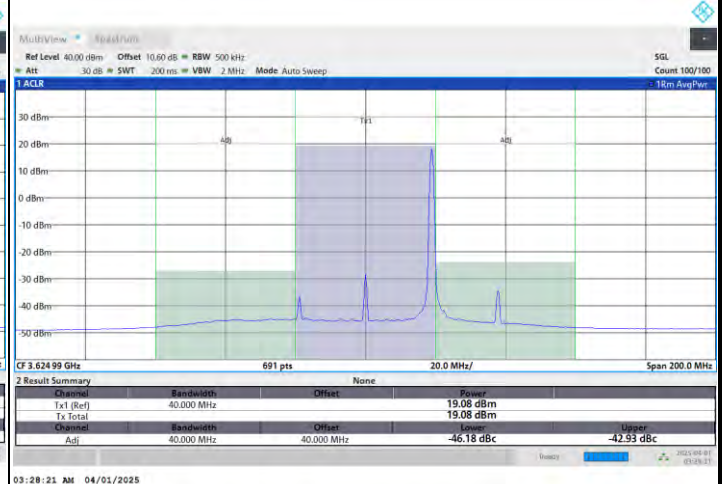
FR1 n48 / 40MHz / DFT-S OFDM / 256QAM

Middle Channel

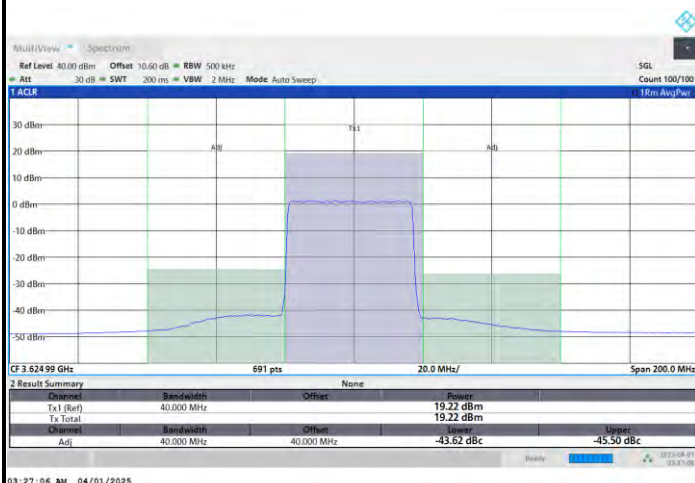
1RB0



1RBmax

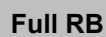


Full RB





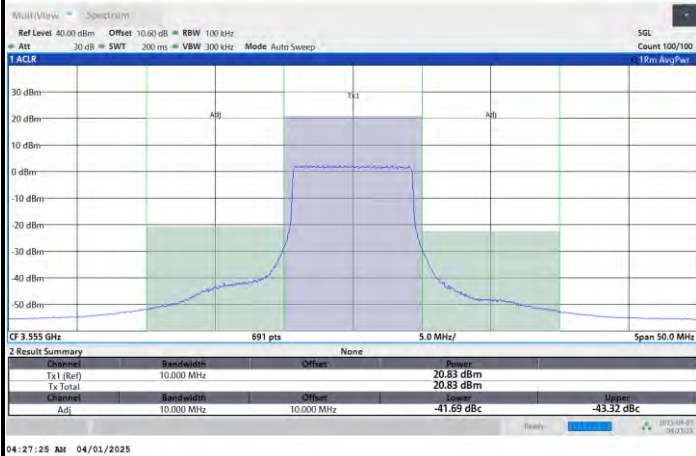
1RB0



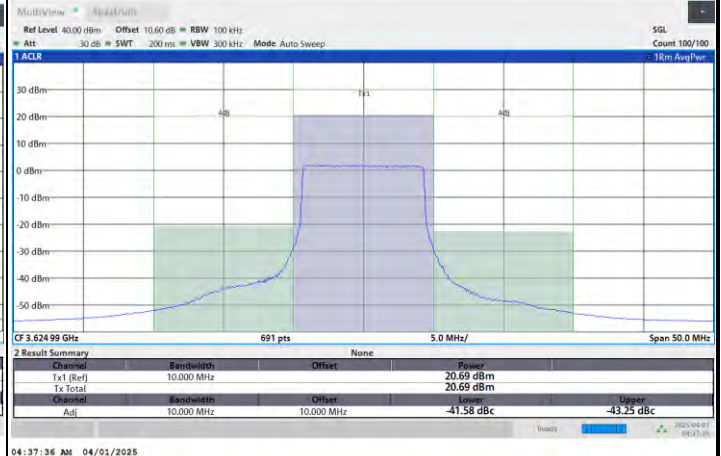


FR1 n48 / 10MHz / CP OFDM / QPSK / Full RB

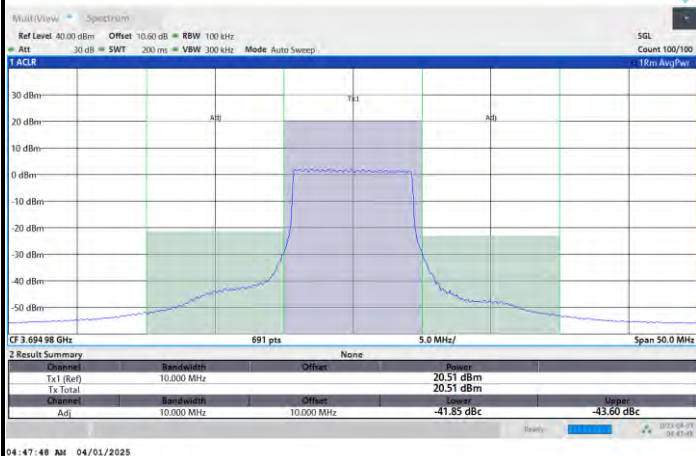
Lowest Channel



Middle Channel



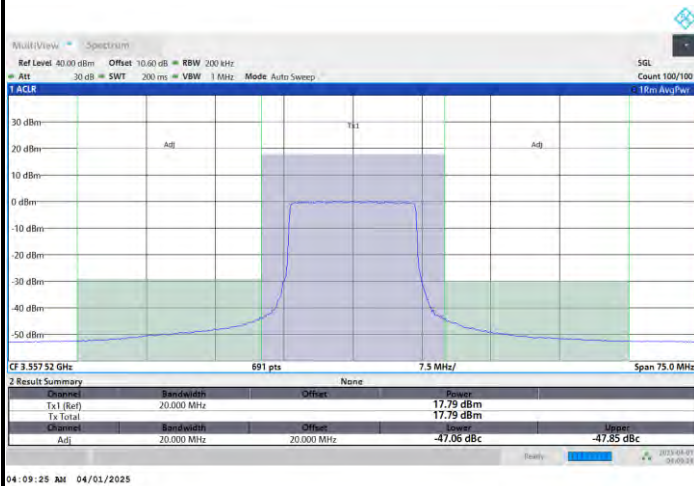
Highest Channel



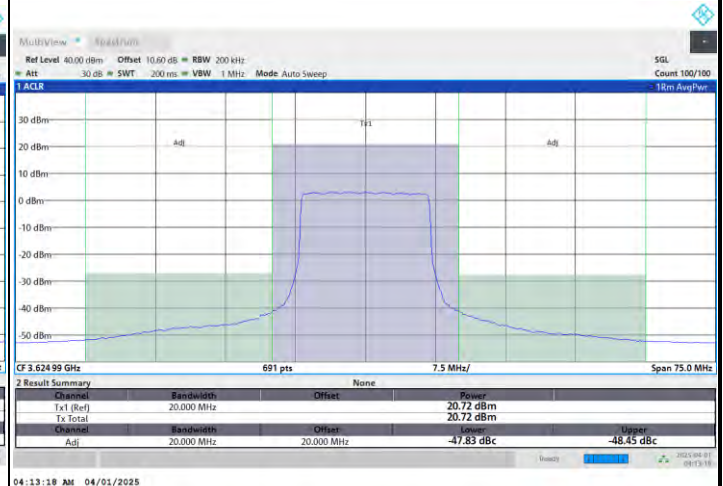


FR1 n48 / 15MHz / CP OFDM / QPSK / Full RB

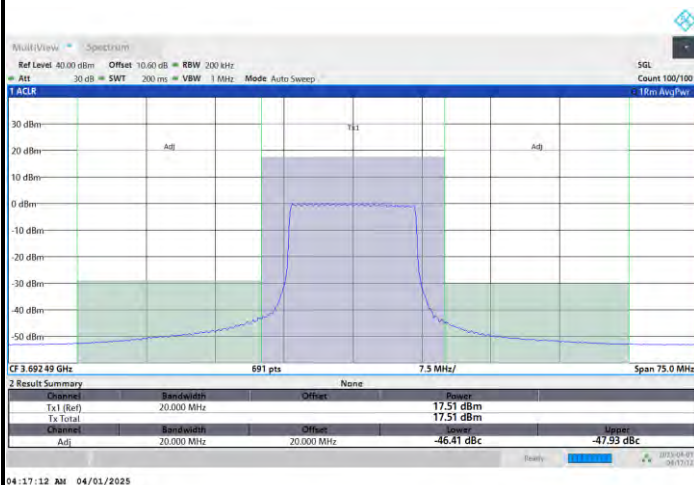
Lowest Channel



Middle Channel



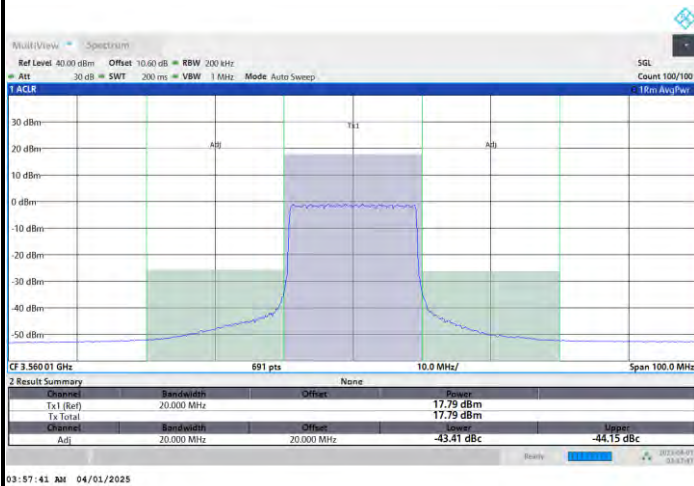
Highest Channel



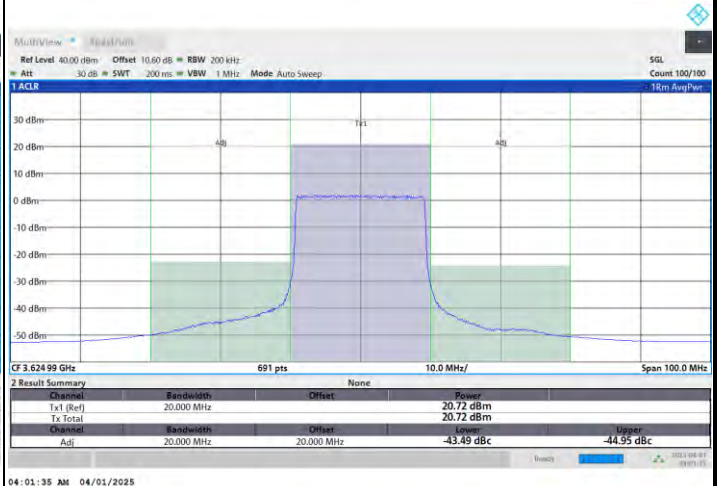


FR1 n48 / 20MHz / CP OFDM / QPSK / Full RB

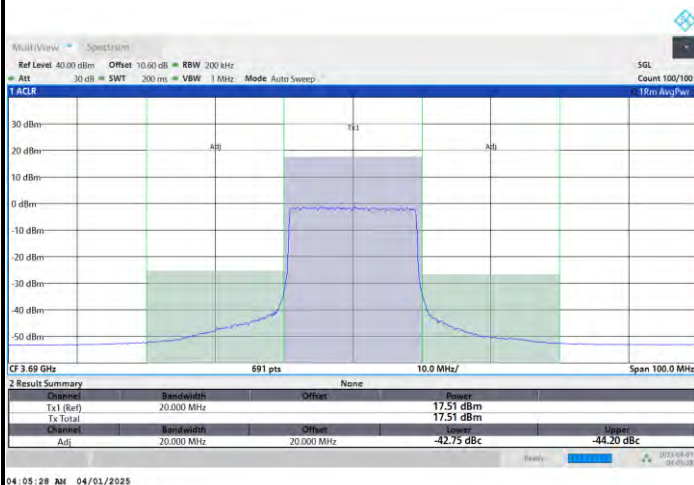
Lowest Channel



Middle Channel



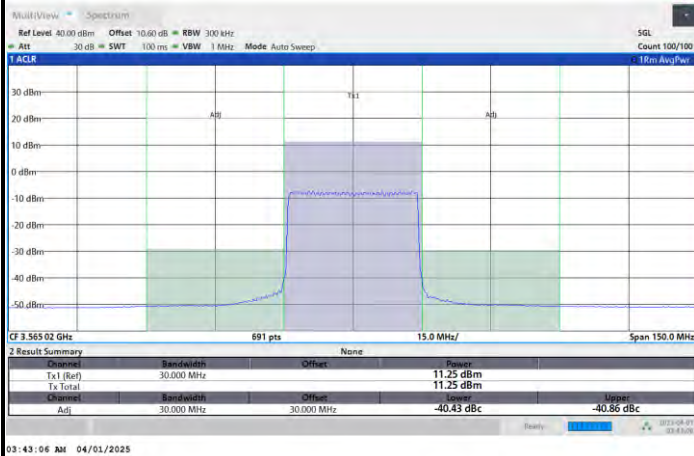
Highest Channel



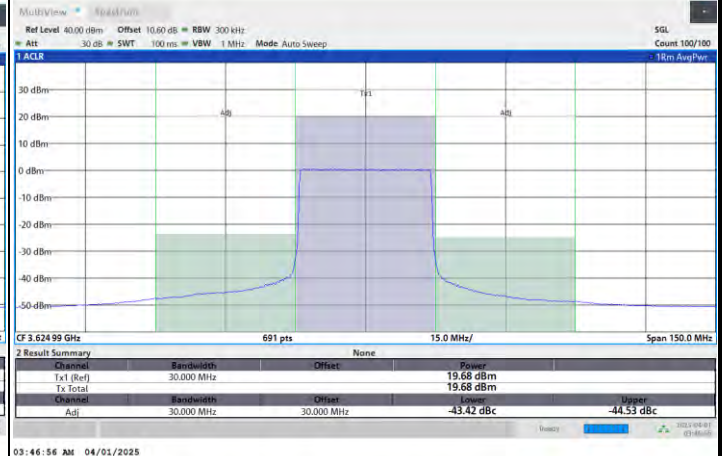


FR1 n48 / 30MHz / CP OFDM / QPSK / Full RB

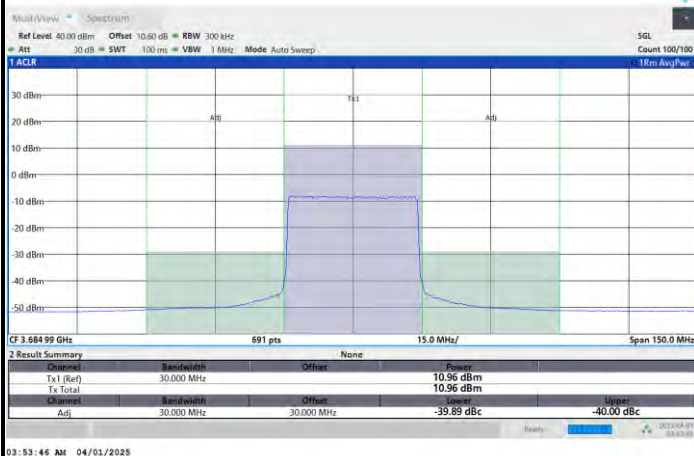
Lowest Channel



Middle Channel



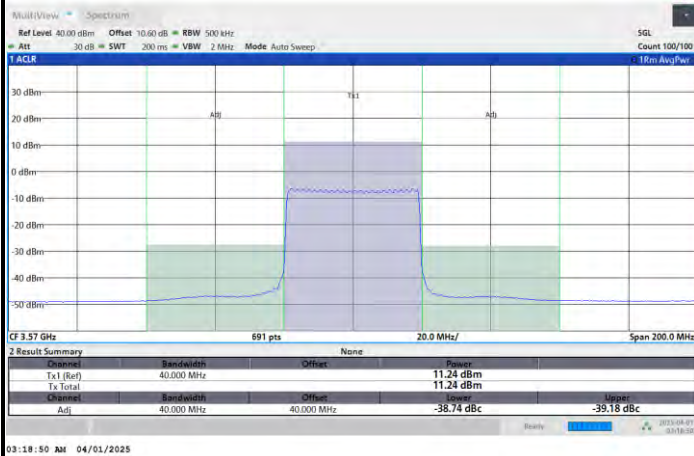
Highest Channel



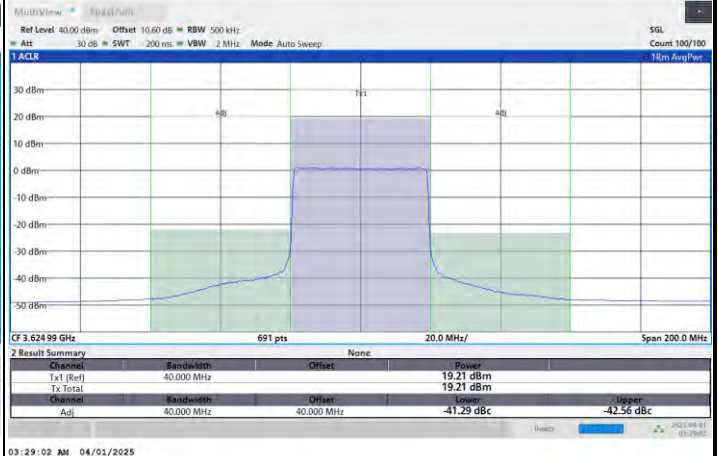


FR1 n48 / 40MHz / CP OFDM / QPSK / Full RB

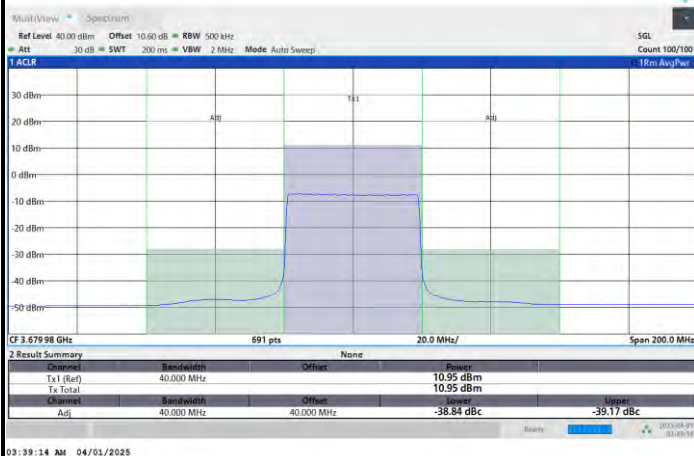
Lowest Channel



Middle Channel



Highest Channel

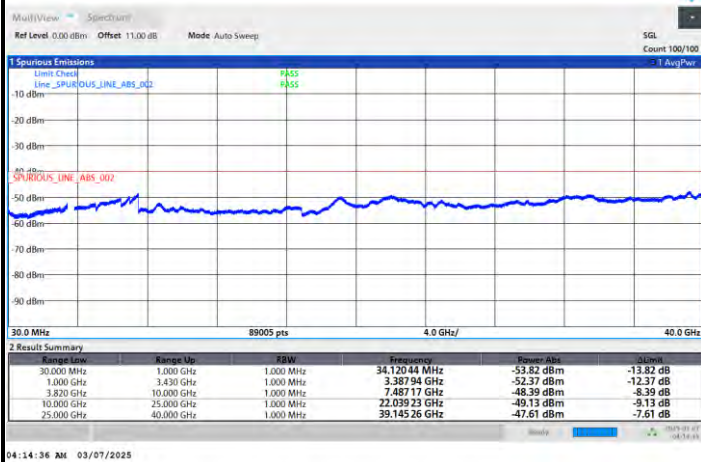




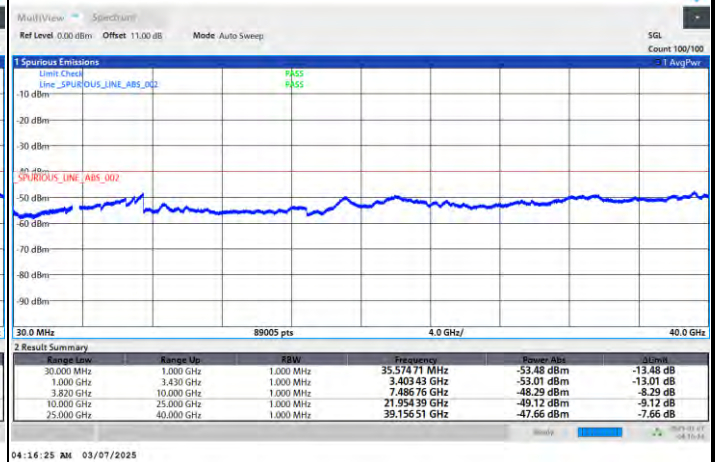
Conducted Spurious Emission

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

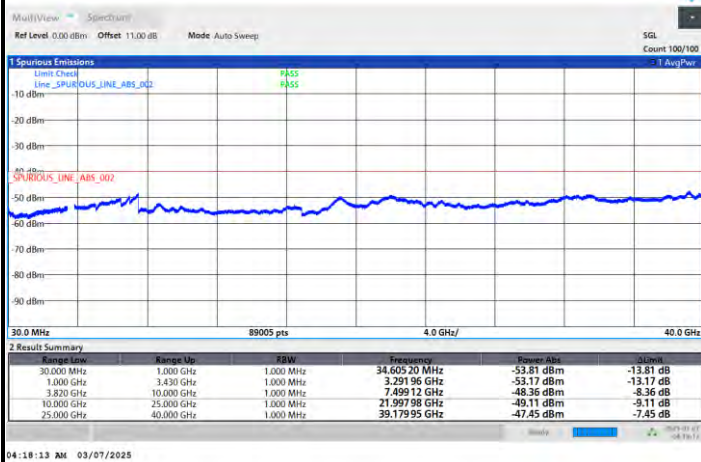
Lowest Channel



Middle Channel



Highest Channel





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

Lowest Channel



Middle Channel



Highest Channel





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

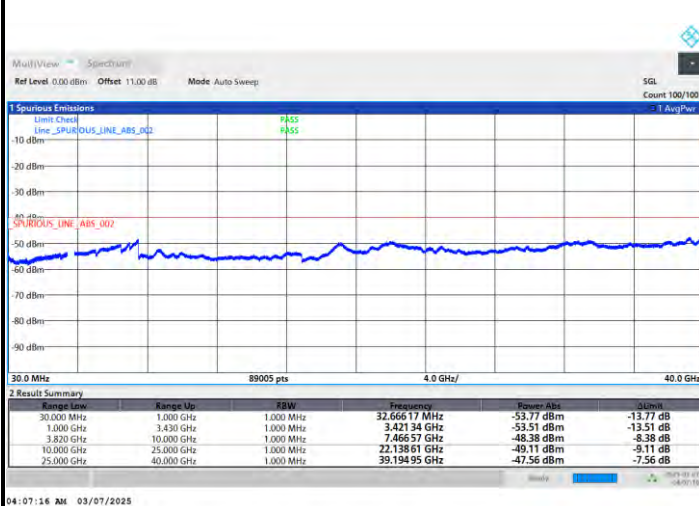
Lowest Channel



Middle Channel



Highest Channel





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

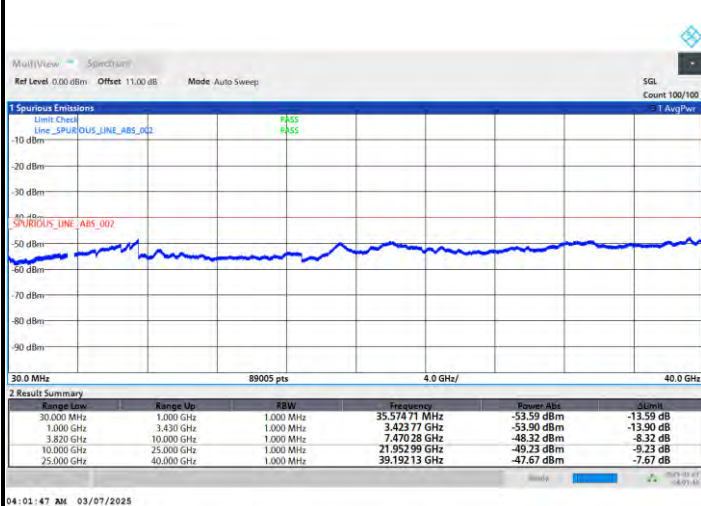
Lowest Channel



Middle Channel



Highest Channel





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

Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n48 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0043	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0035	
20	Minimum Voltage	0.0035	

Note:

1. Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

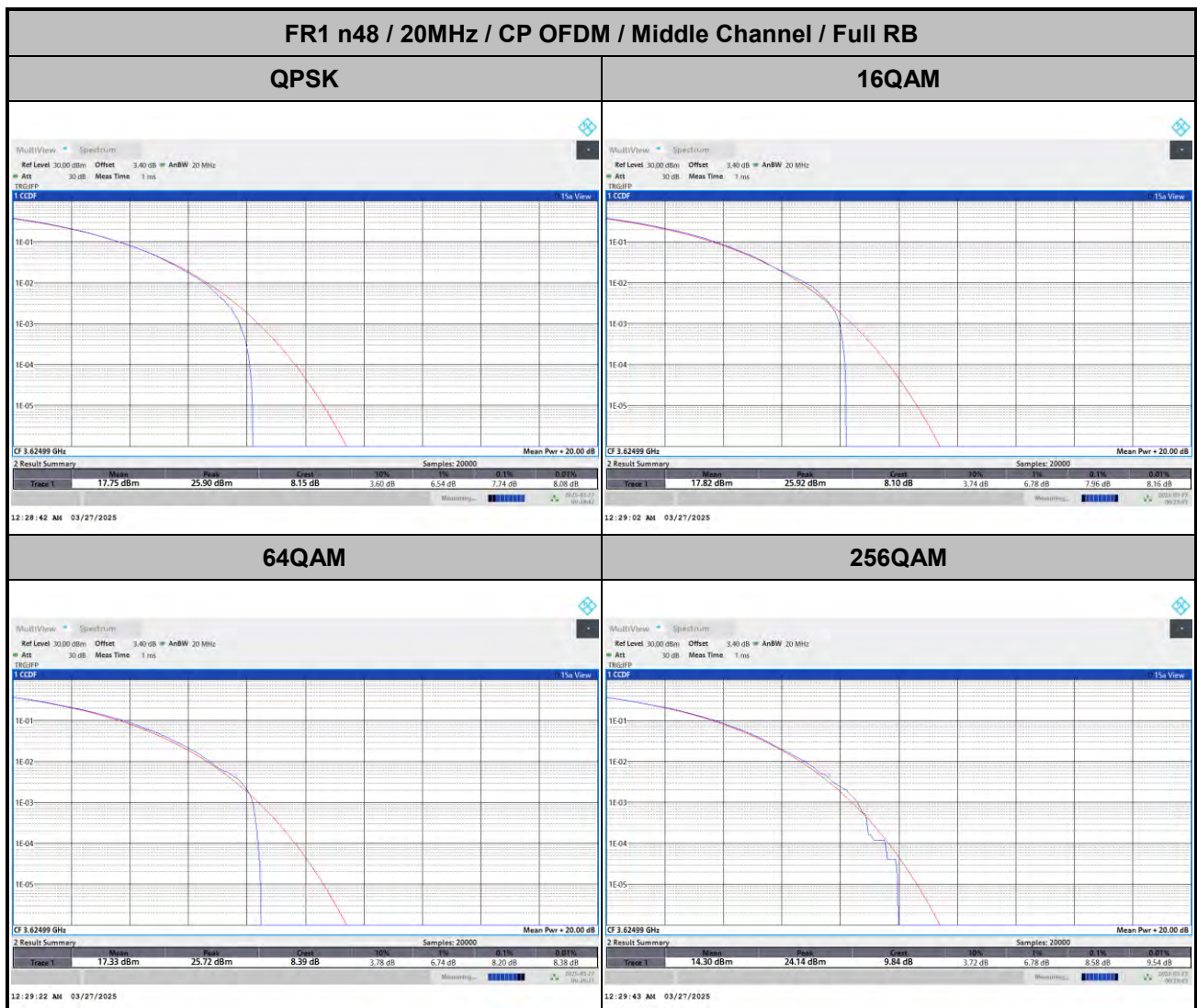


<MIMO Mode>

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	7.74	7.96	8.20	8.58	PASS



**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	10.43	10.40	15.61	15.62	20.79	20.43	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.26	10.25	15.55	15.42	20.55	20.60	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	31.05	31.21	42.66	42.15	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	31.23	31.18	42.71	42.66	-	-	-	-
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	-	-	-	-	-	-	-	-