

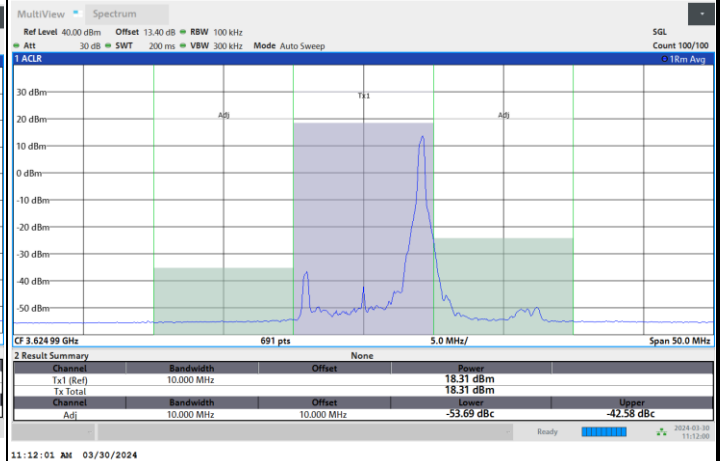
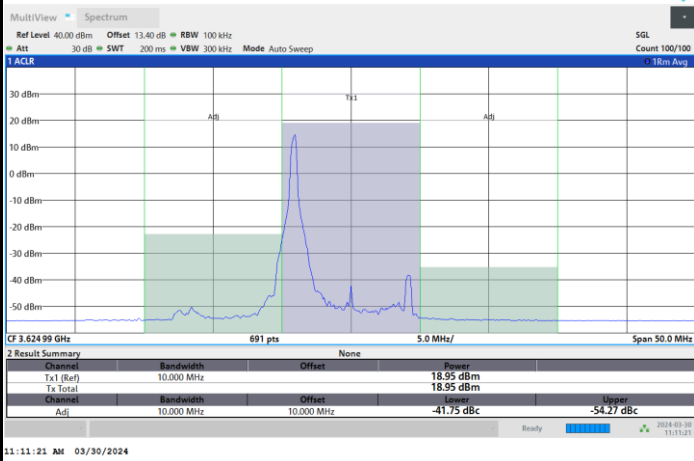


FR1 n48 / 10MHz / CP OFDM / 16QAM

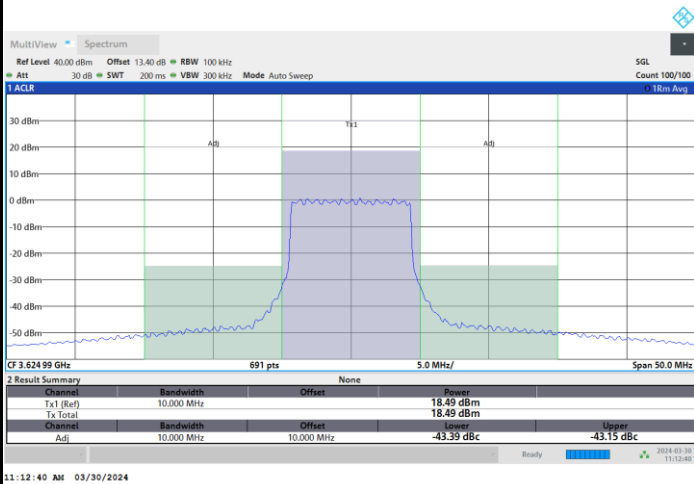
Middle Channel

1RB0

1RBmax



Full RB



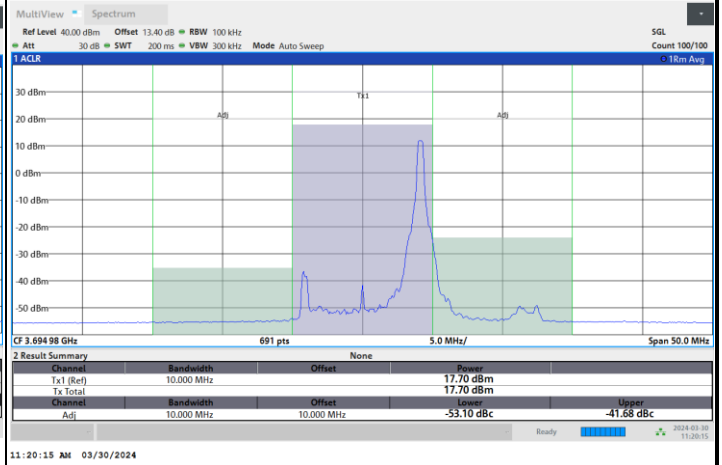
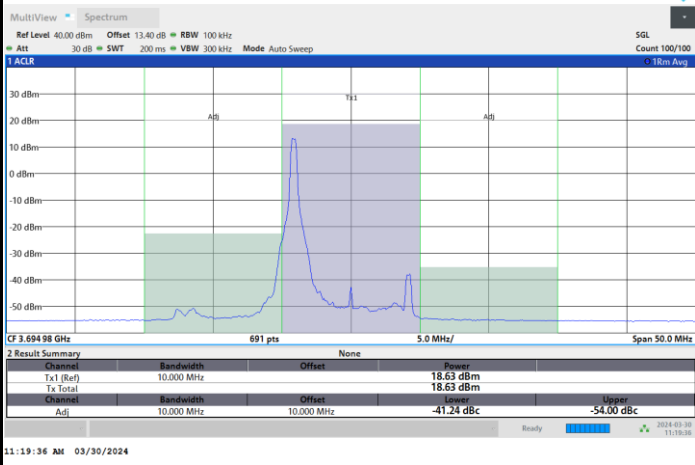


FR1 n48 / 10MHz / CP OFDM / 16QAM

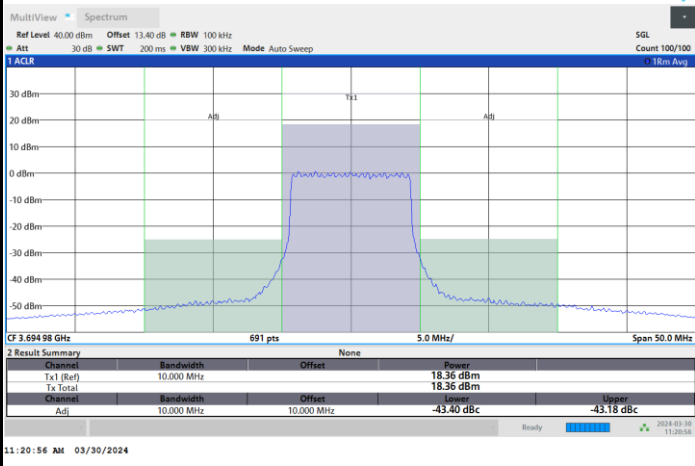
Highest Channel

1RB0

1RBmax



Full RB



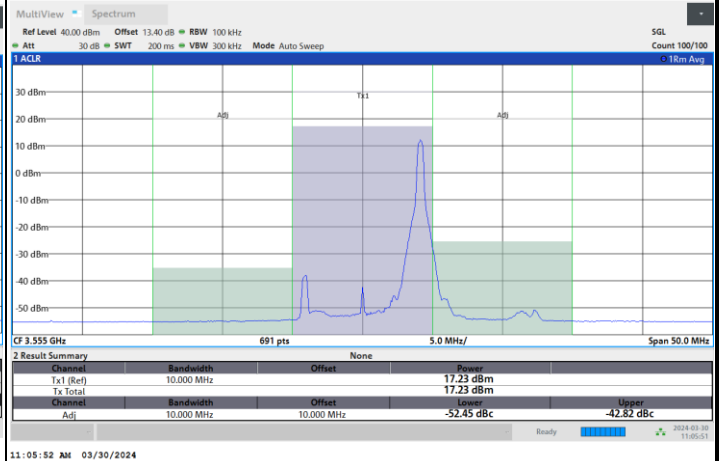
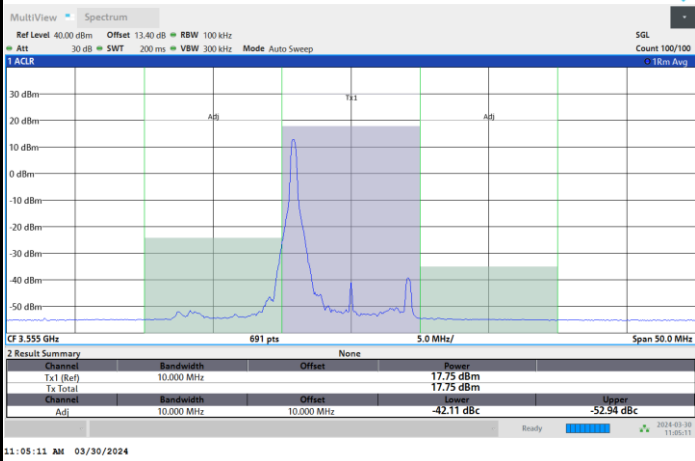


FR1 n48 / 10MHz / CP OFDM / 64QAM

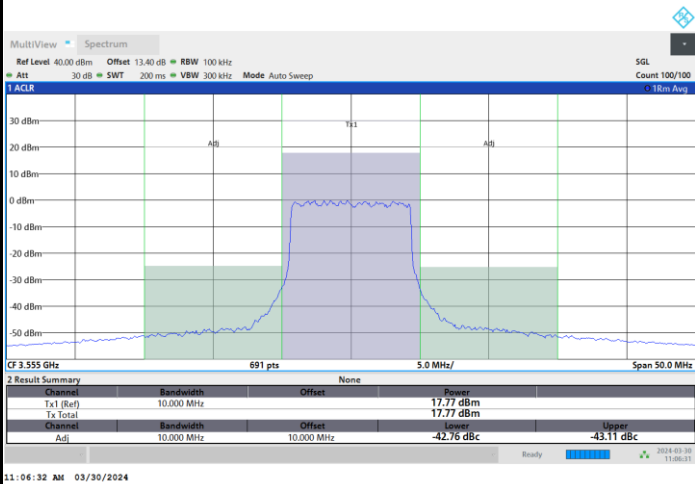
Lowest Channel

1RB0

1RBmax



Full RB



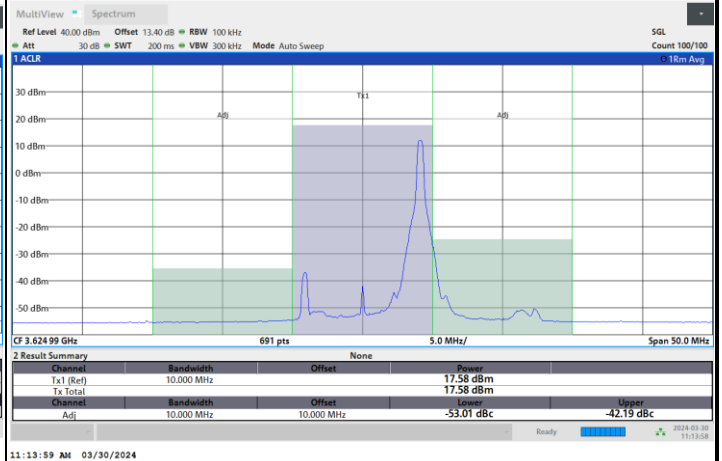
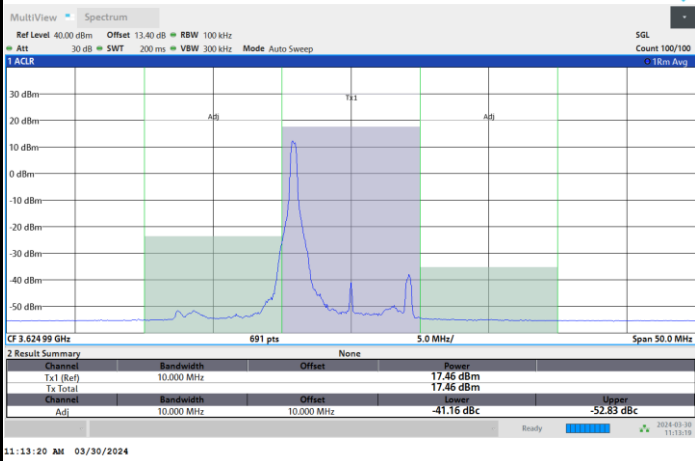


FR1 n48 / 10MHz / CP OFDM / 64QAM

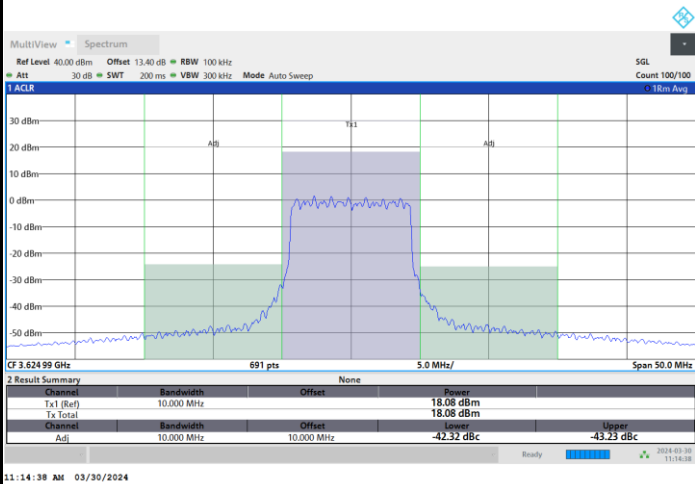
Middle Channel

1RB0

1RBmax



Full RB



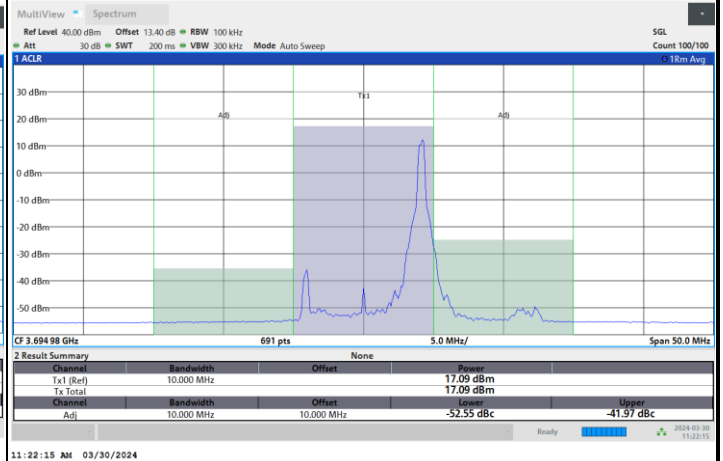
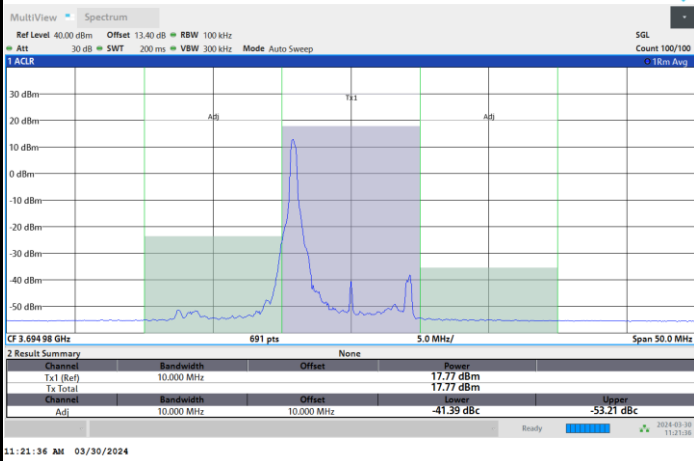


FR1 n48 / 10MHz / CP OFDM / 64QAM

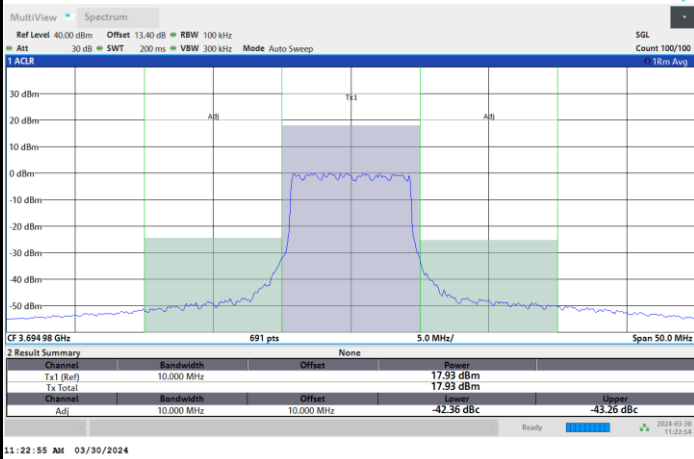
Highest Channel

1RB0

1RBmax



Full RB



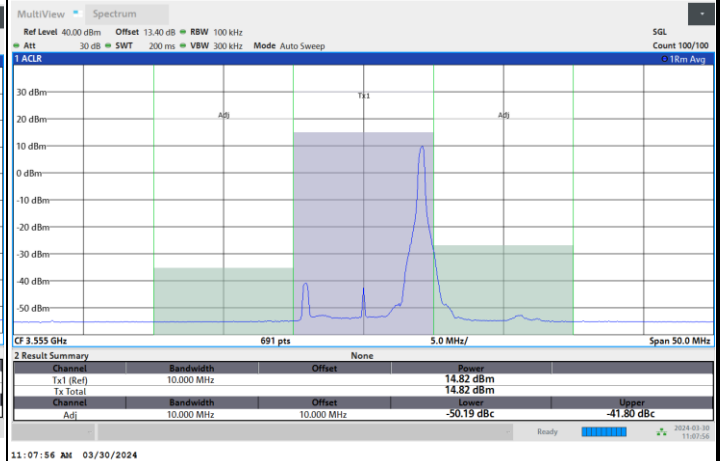
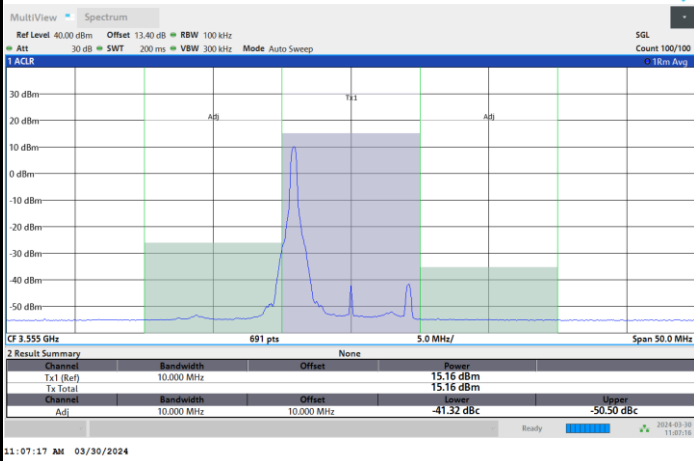


FR1 n48 / 10MHz / CP OFDM / 256QAM

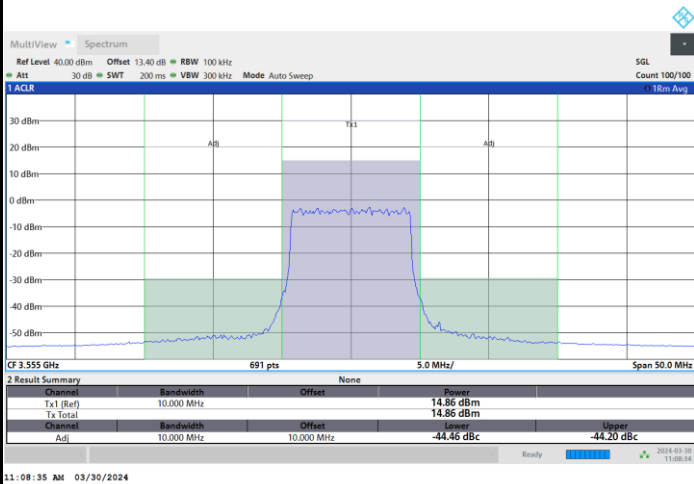
Lowest Channel

1RB0

1RBmax



Full RB



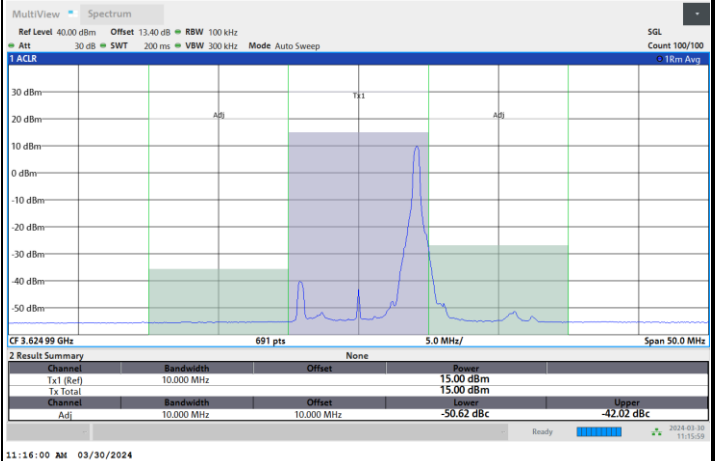
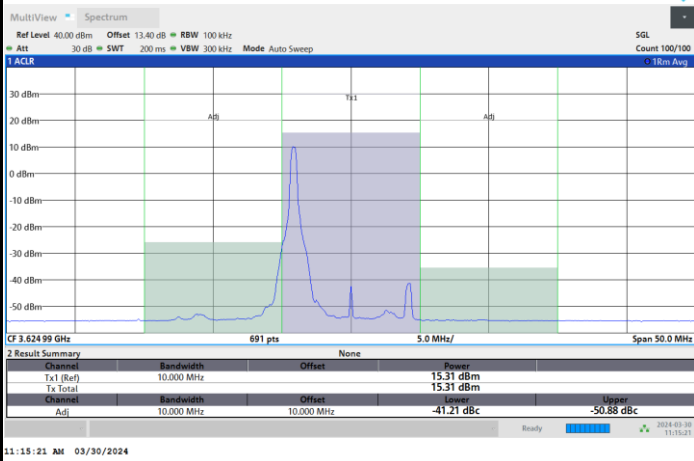


FR1 n48 / 10MHz / CP OFDM / 256QAM

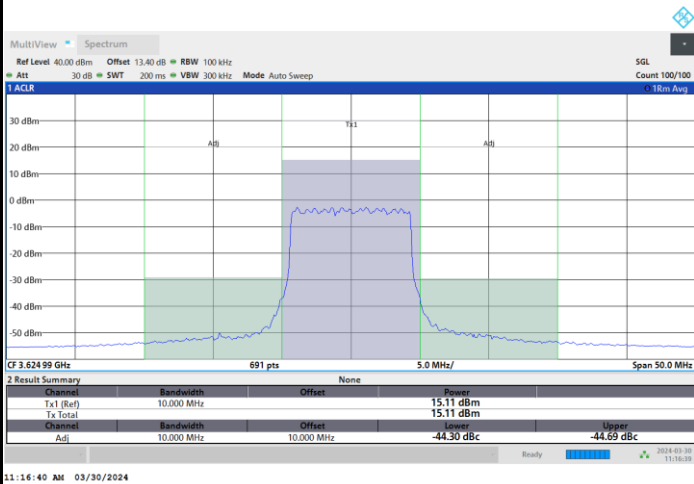
Middle Channel

1RB0

1RBmax



Full RB



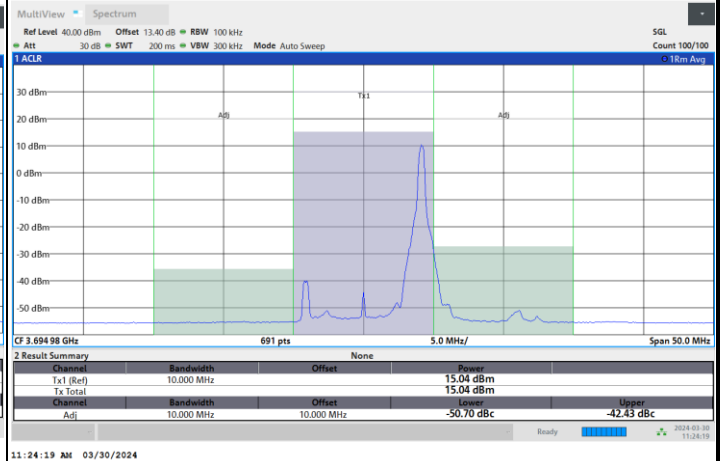
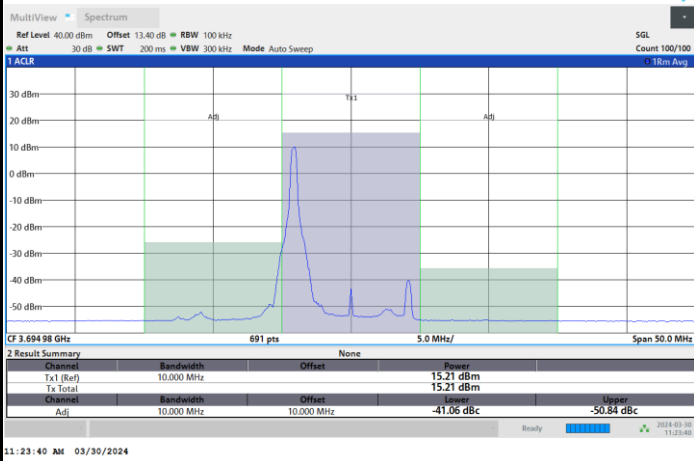


FR1 n48 / 10MHz / CP OFDM / 256QAM

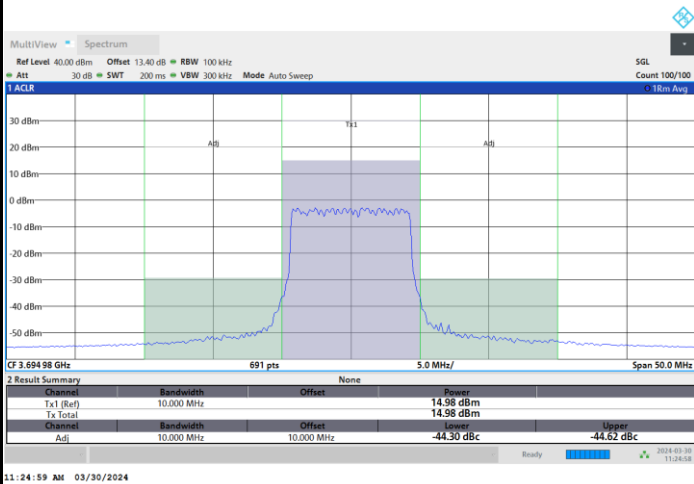
Highest Channel

1RB0

1RBmax



Full RB



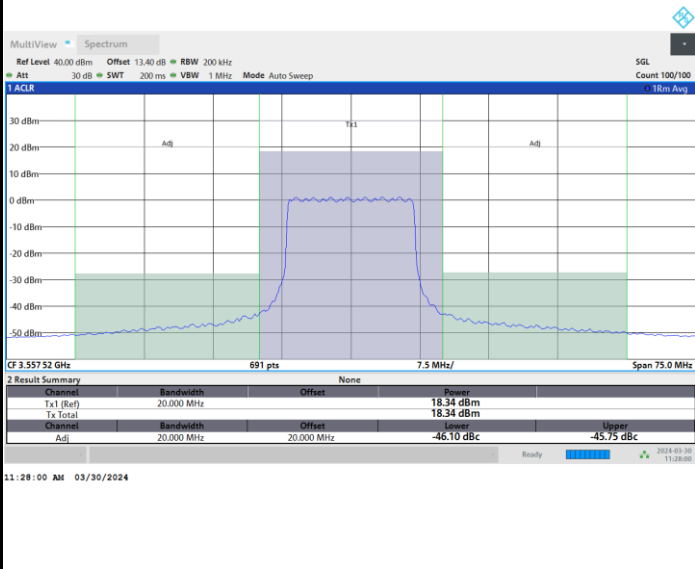




FR1 n48 / 15MHz / CP OFDM / QPSK

Lowest Channel

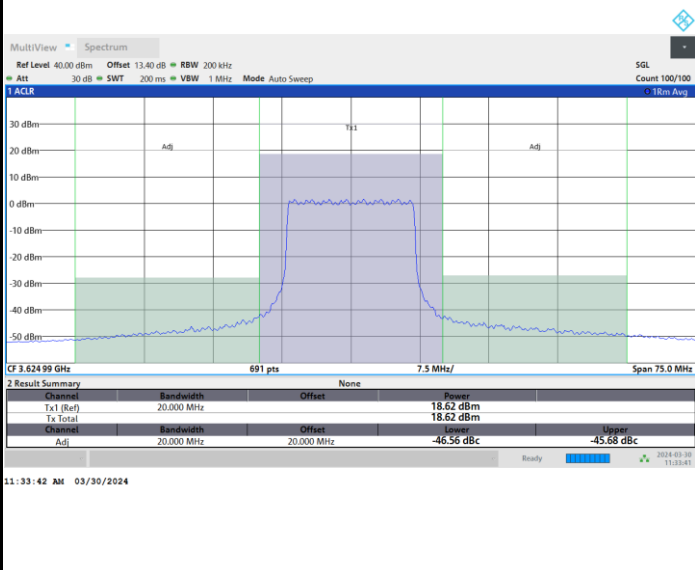
Full RB



FR1 n48 / 15MHz / CP OFDM / QPSK

Middle Channel

Full RB

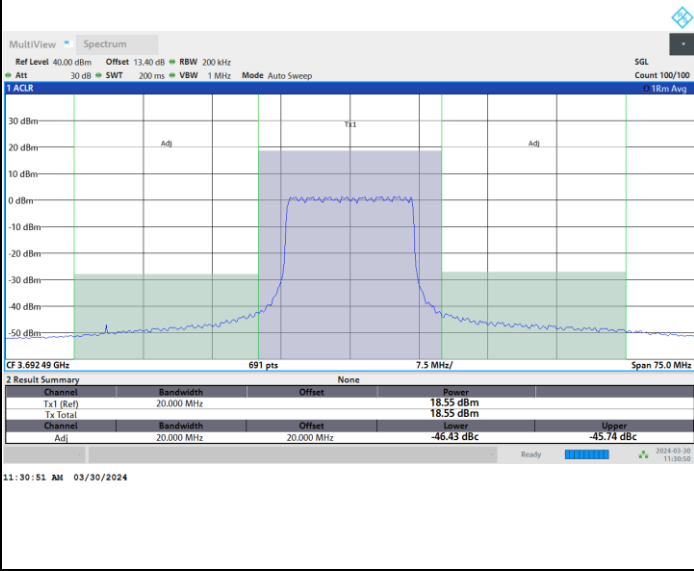




FR1 n48 / 15MHz / CP OFDM / QPSK

Highest Channel

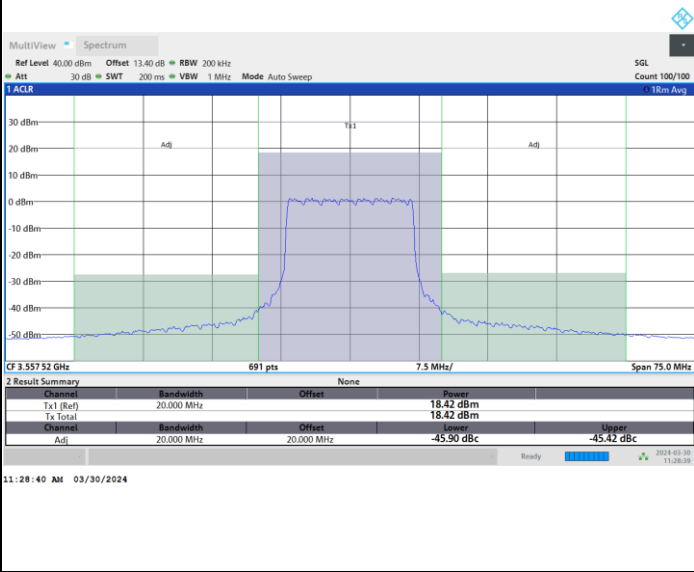
Full RB



FR1 n48 / 15MHz / CP OFDM / 16QAM

Lowest Channel

Full RB

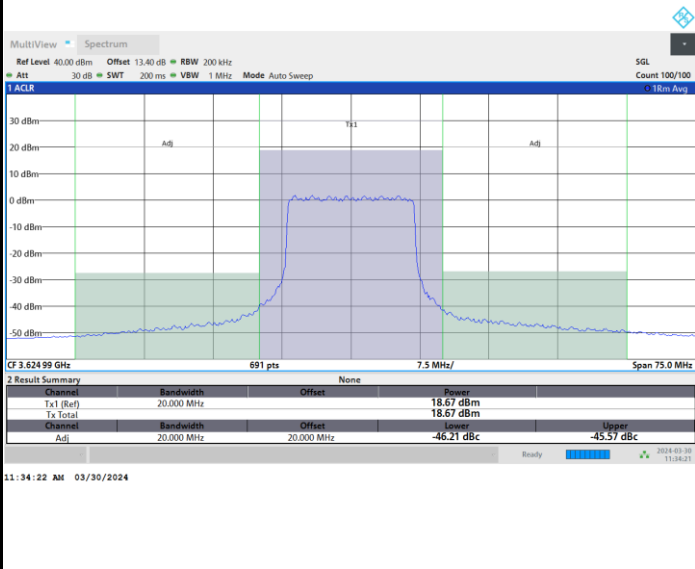




FR1 n48 / 15MHz / CP OFDM / 16QAM

Middle Channel

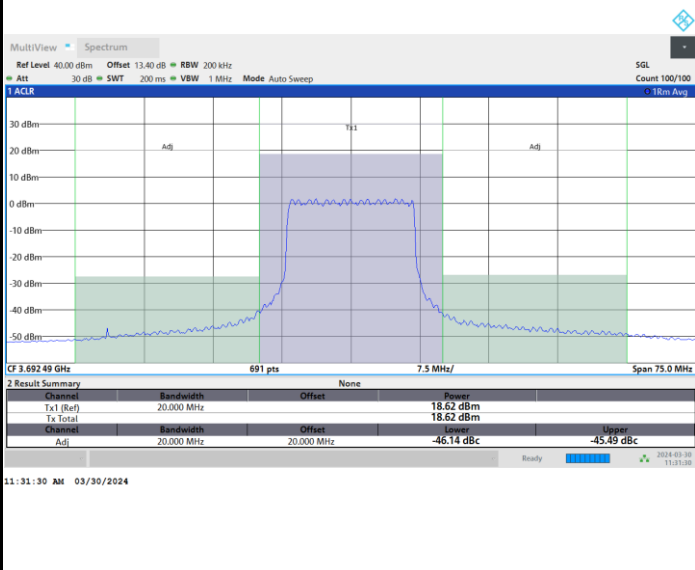
Full RB



FR1 n48 / 15MHz / CP OFDM / 16QAM

Highest Channel

Full RB

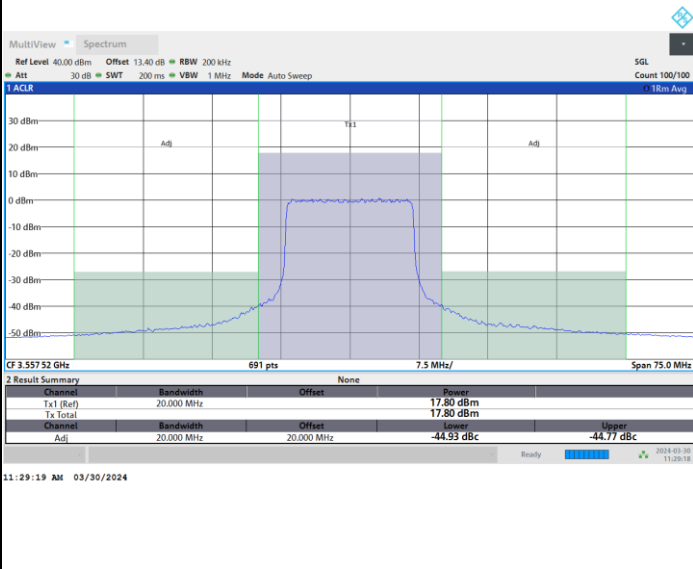




FR1 n48 / 15MHz / CP OFDM / 64QAM

Lowest Channel

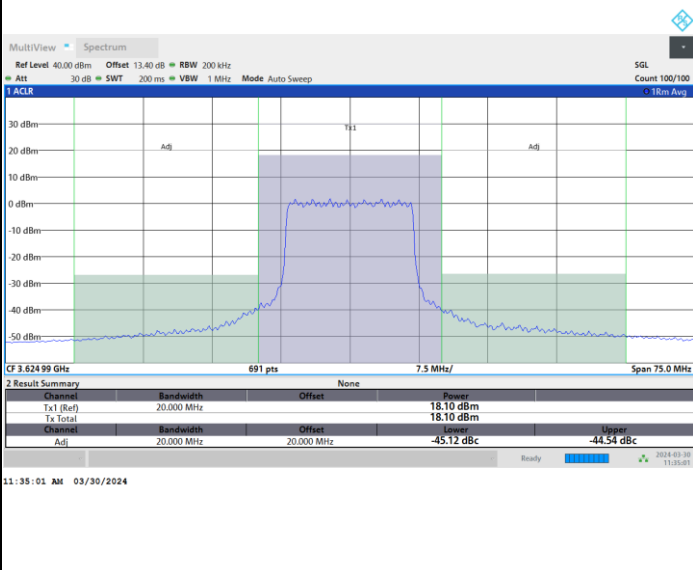
Full RB



FR1 n48 / 15MHz / CP OFDM / 64QAM

Middle Channel

Full RB

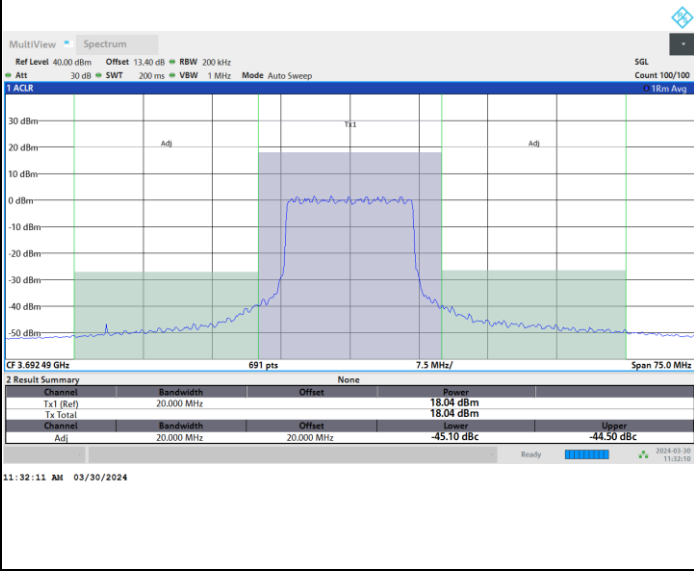




FR1 n48 / 15MHz / CP OFDM / 64QAM

Highest Channel

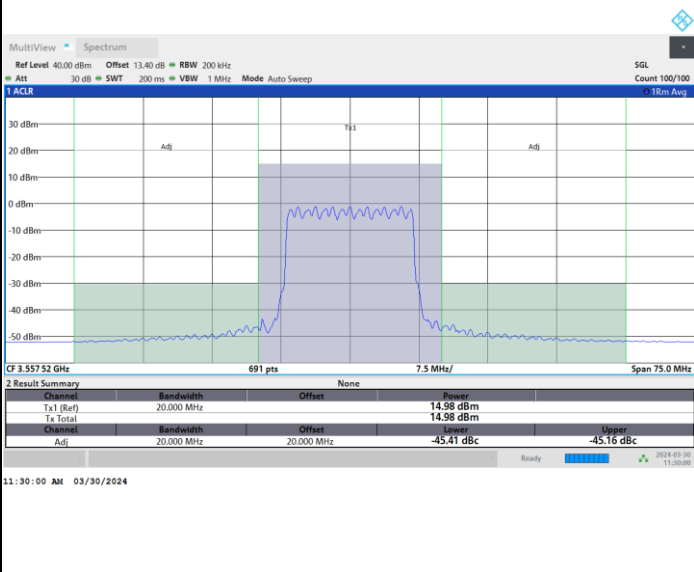
Full RB



FR1 n48 / 15MHz / CP OFDM / 256QAM

Lowest Channel

Full RB

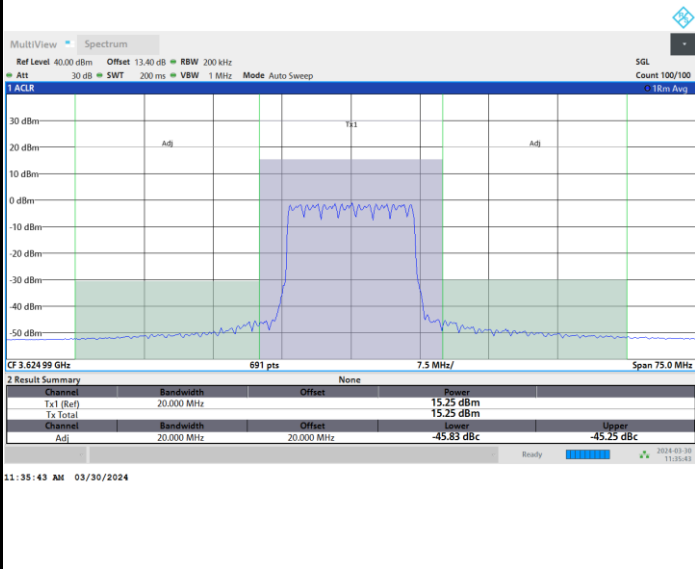




FR1 n48 / 15MHz / CP OFDM / 256QAM

Middle Channel

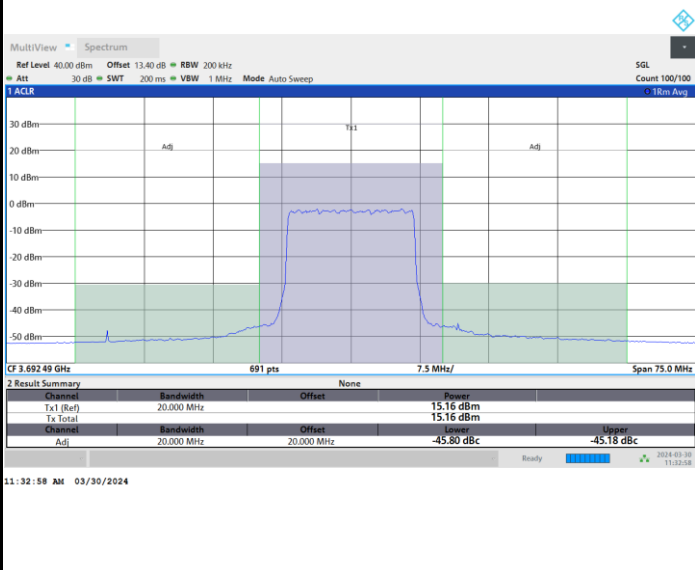
Full RB



FR1 n48 / 15MHz / CP OFDM / 256QAM

Highest Channel

Full RB



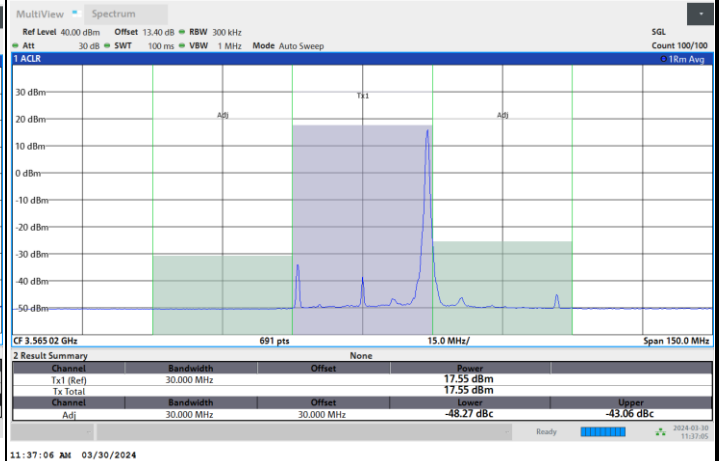
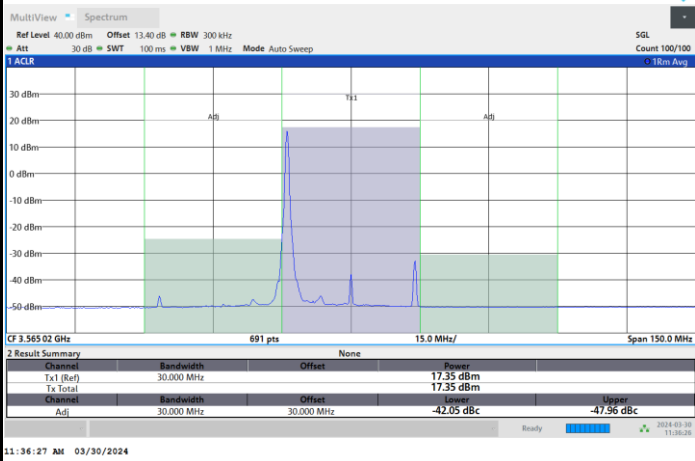


FR1 n48 / 30MHz / CP OFDM / QPSK

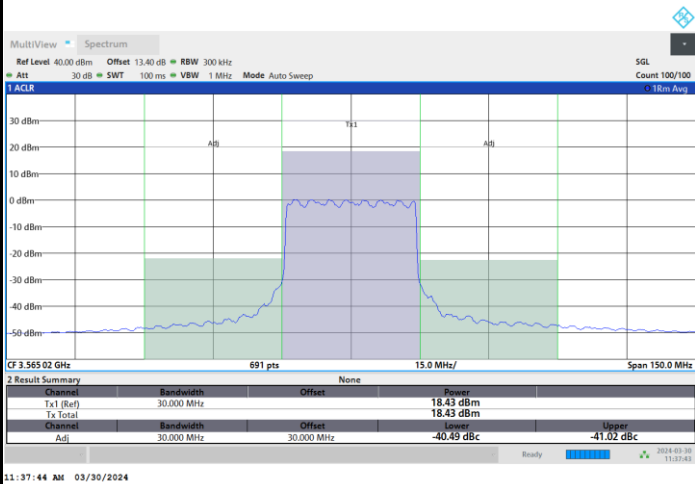
Lowest Channel

1RB0

1RBmax



Full RB



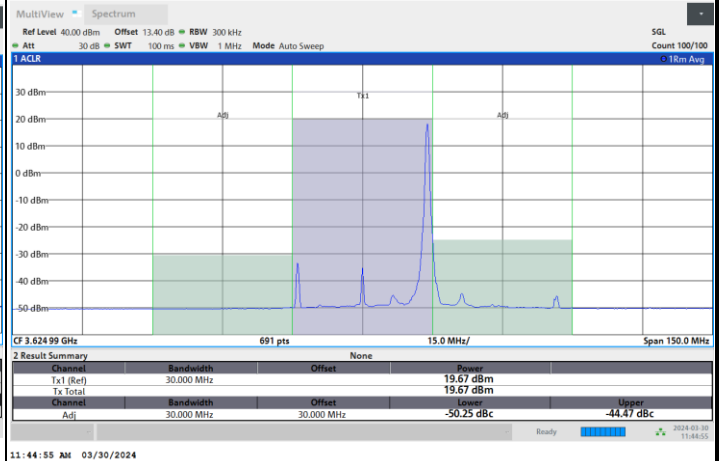
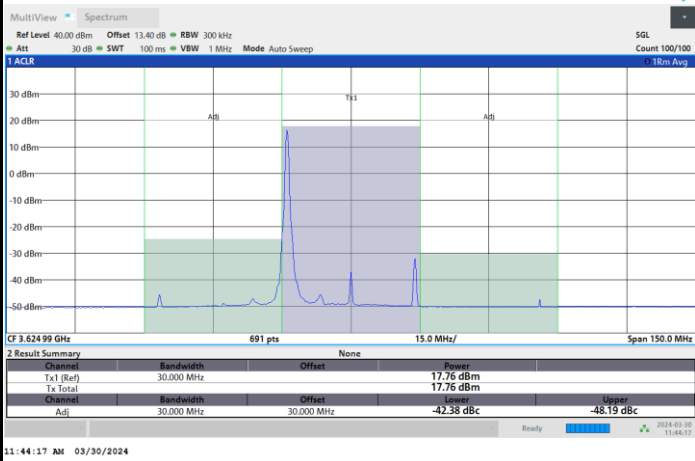


FR1 n48 / 30MHz / CP OFDM / QPSK

Middle Channel

1RB0

1RBmax



Full RB





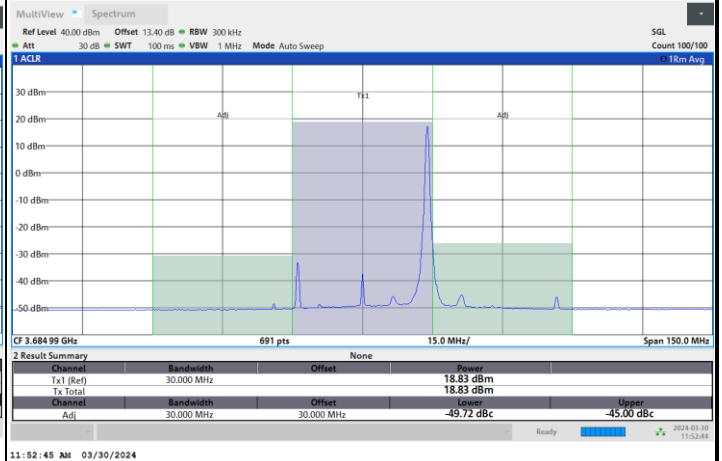
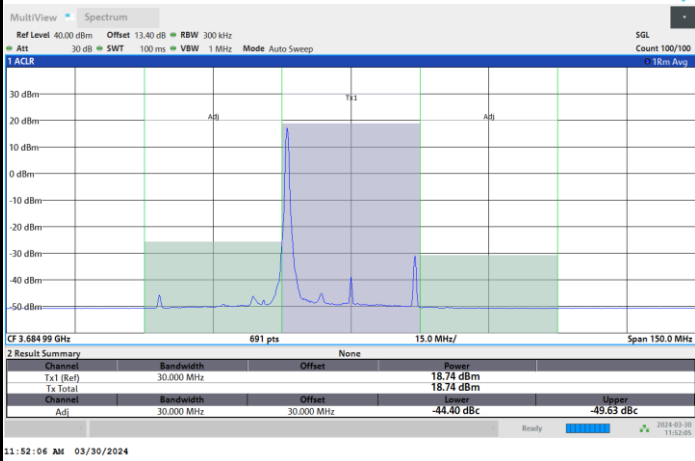


FR1 n48 / 30MHz / CP OFDM / QPSK

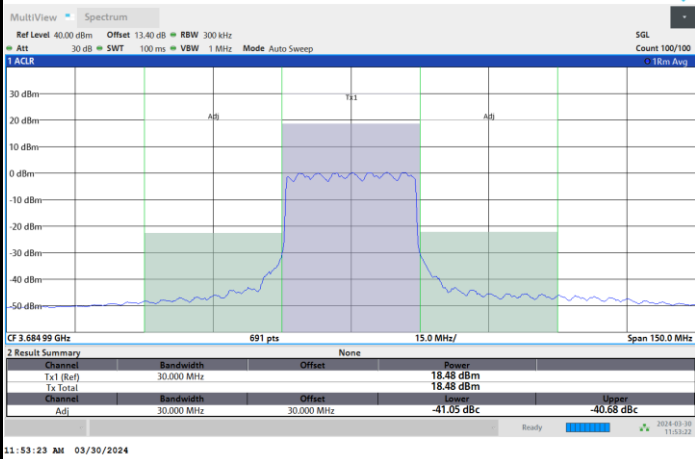
Highest Channel

1RB0

1RBmax



Full RB



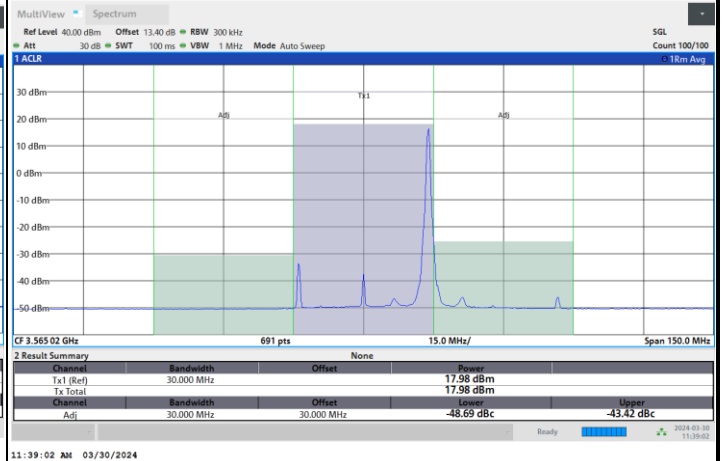
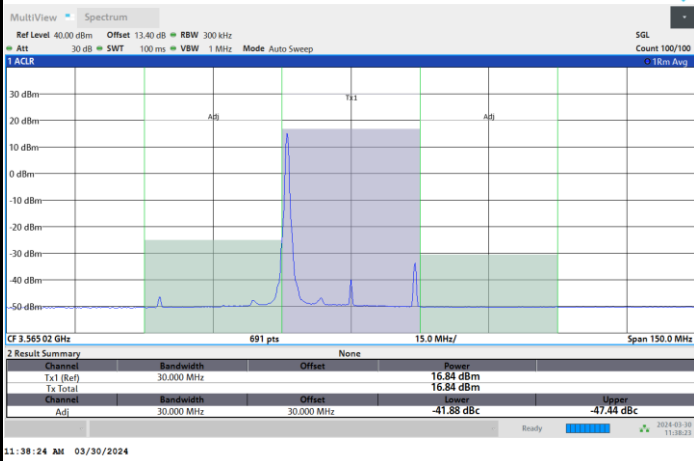


FR1 n48 / 30MHz / CP OFDM / 16QAM

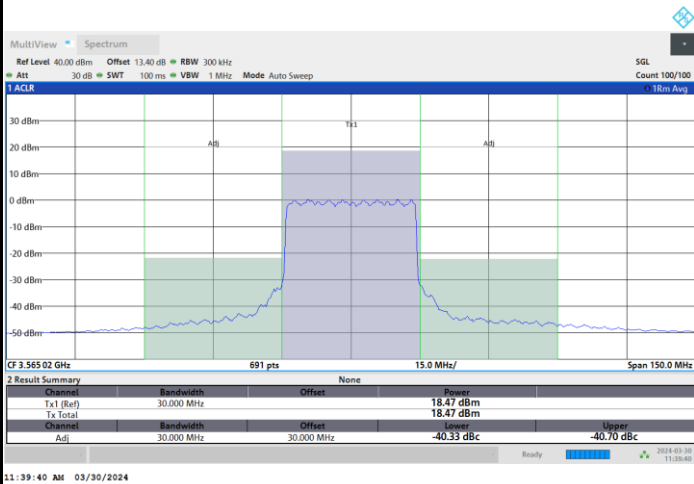
Lowest Channel

1RB0

1RBmax



Full RB



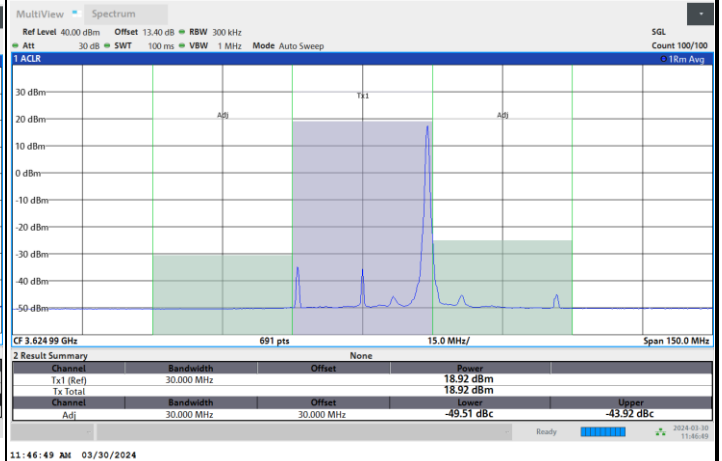
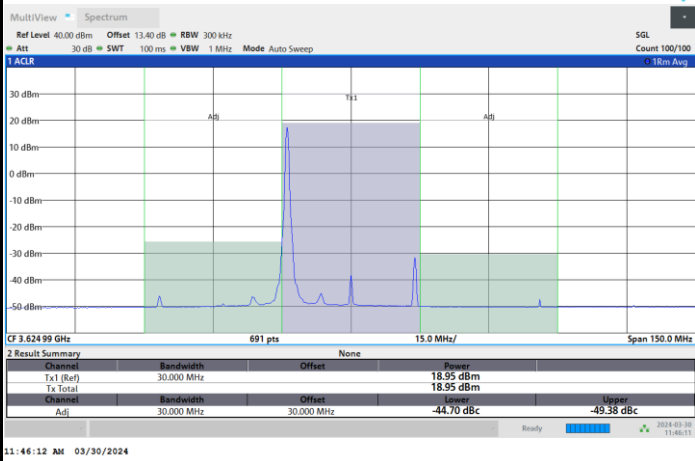


FR1 n48 / 30MHz / CP OFDM / 16QAM

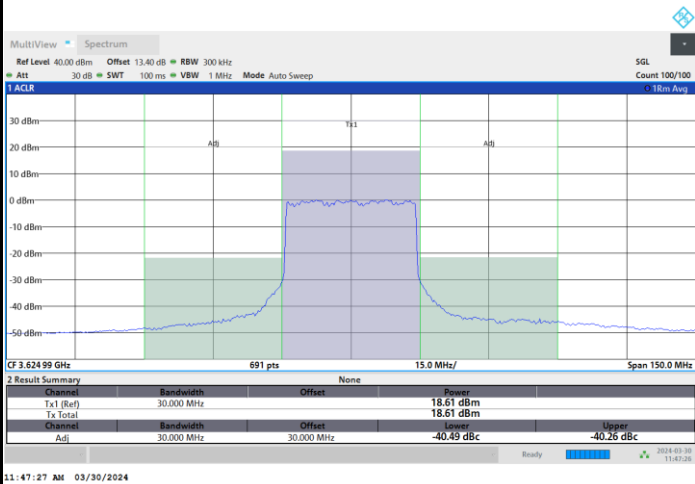
Middle Channel

1RB0

1RBmax



Full RB



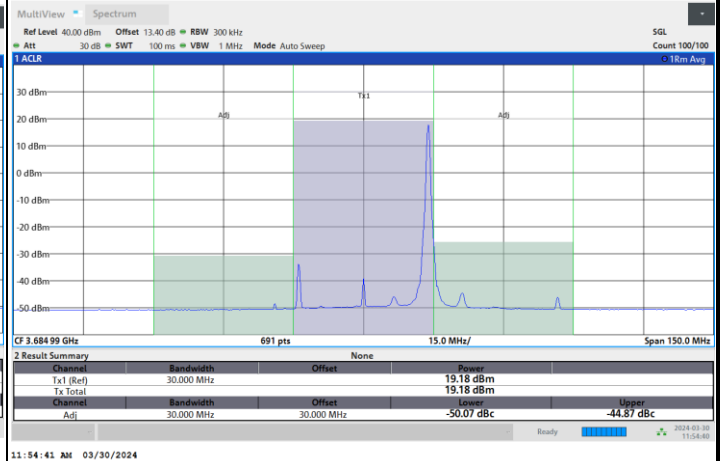
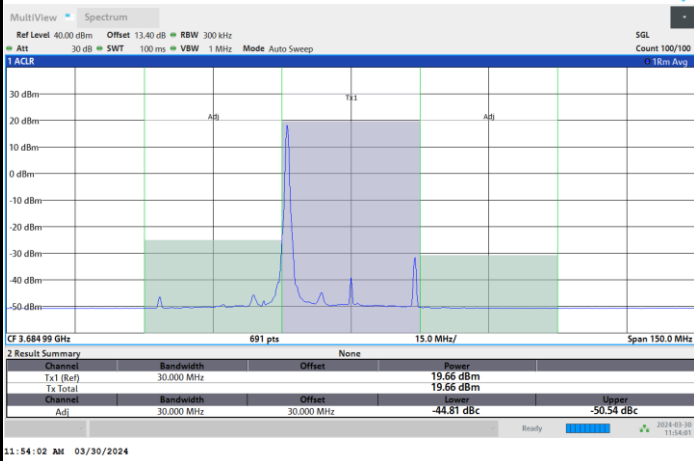


FR1 n48 / 30MHz / CP OFDM / 16QAM

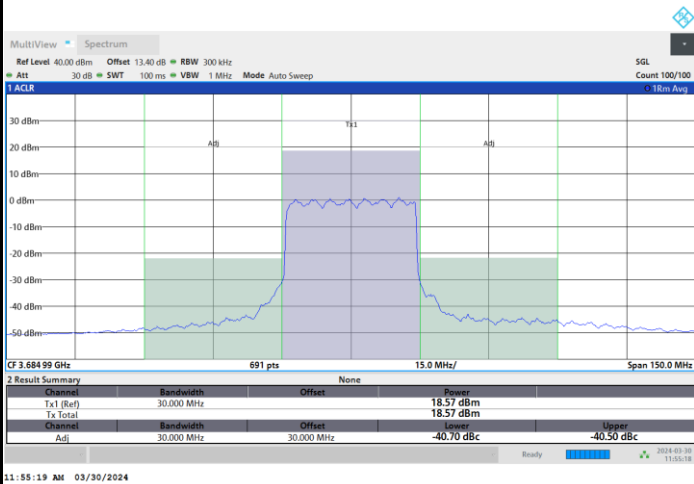
Highest Channel

1RB0

1RBmax



Full RB



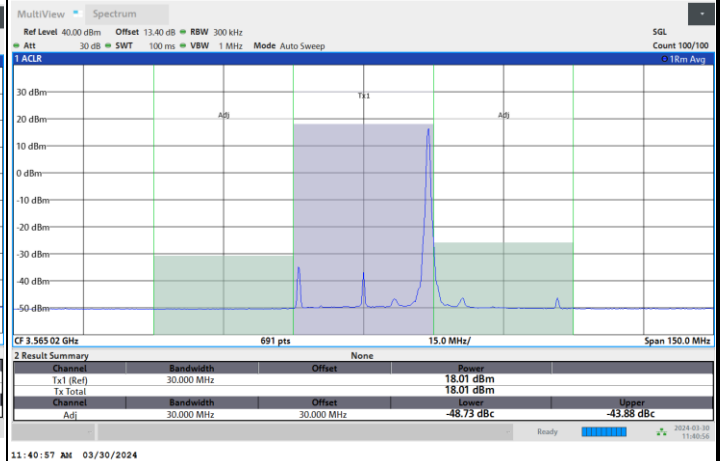
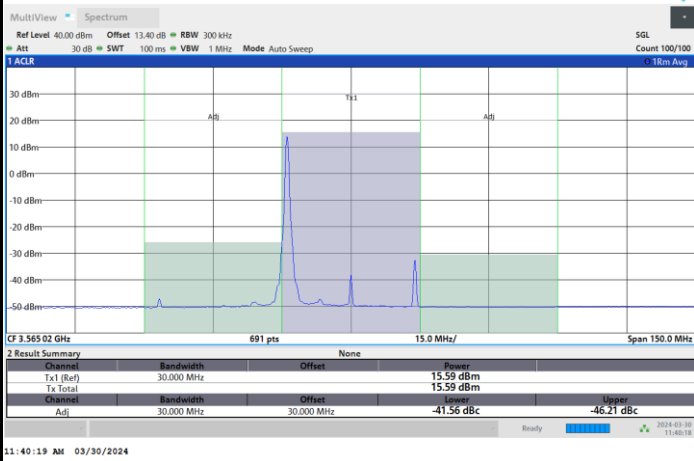


FR1 n48 / 30MHz / CP OFDM / 64QAM

Lowest Channel

1RB0

1RBmax



Full RB



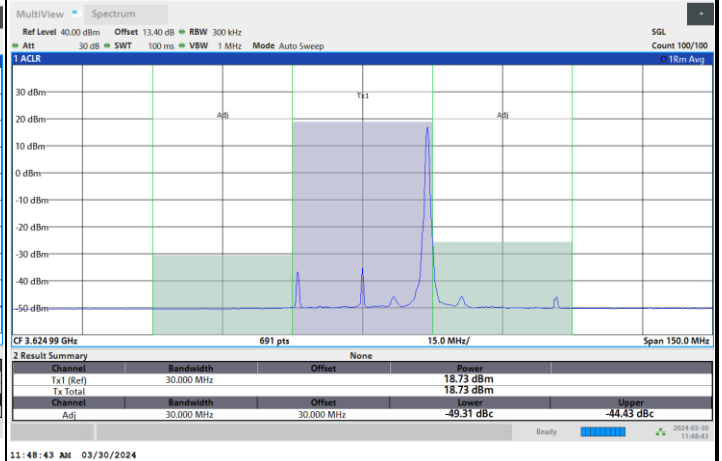
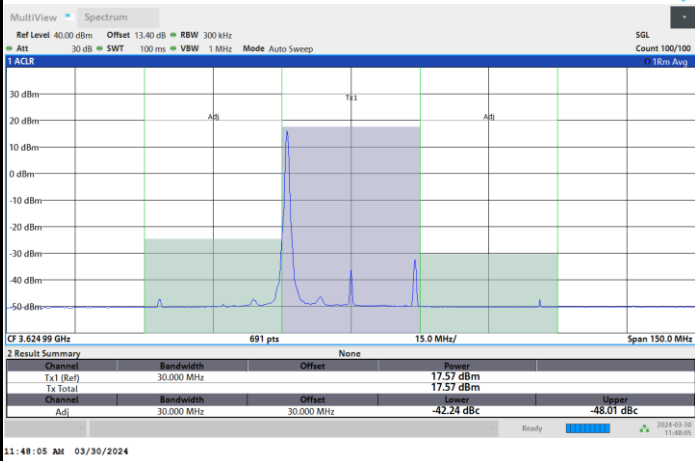


FR1 n48 / 30MHz / CP OFDM / 64QAM

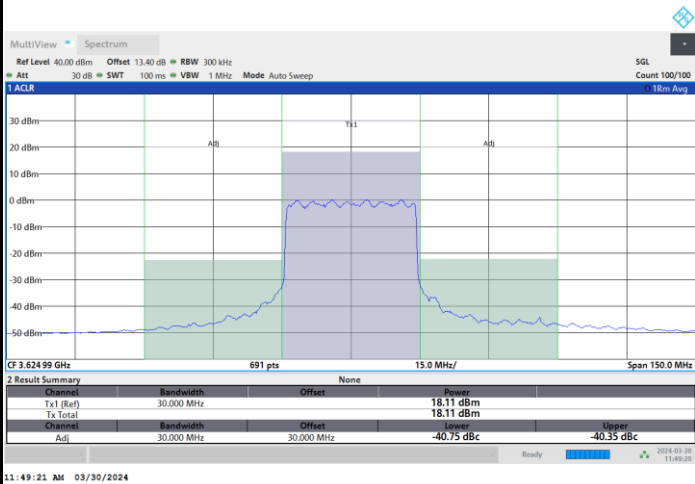
Middle Channel

1RB0

1RBmax



Full RB



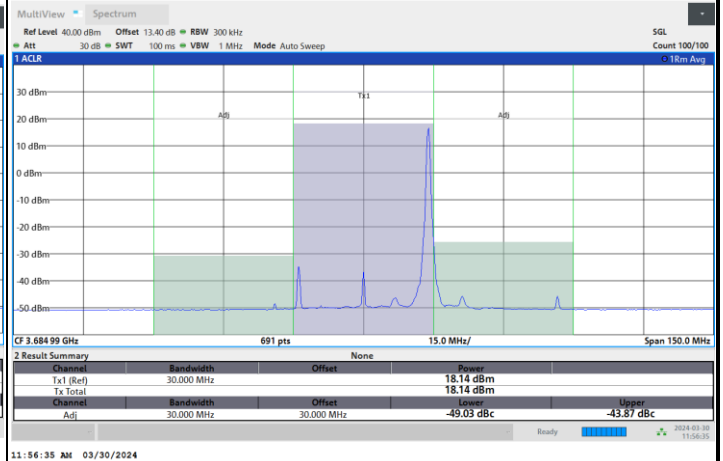
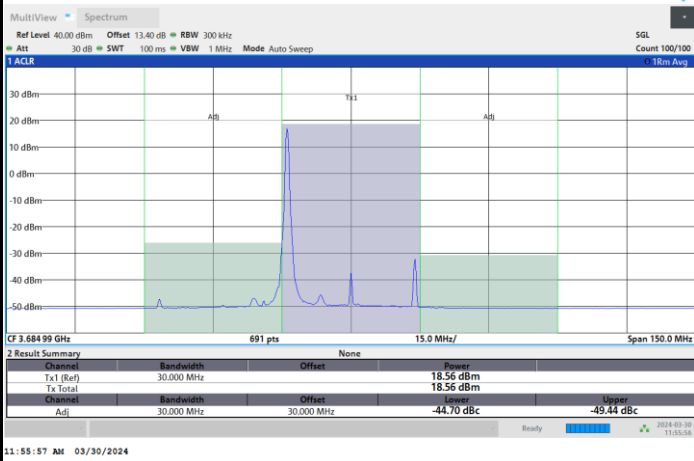


FR1 n48 / 30MHz / CP OFDM / 64QAM

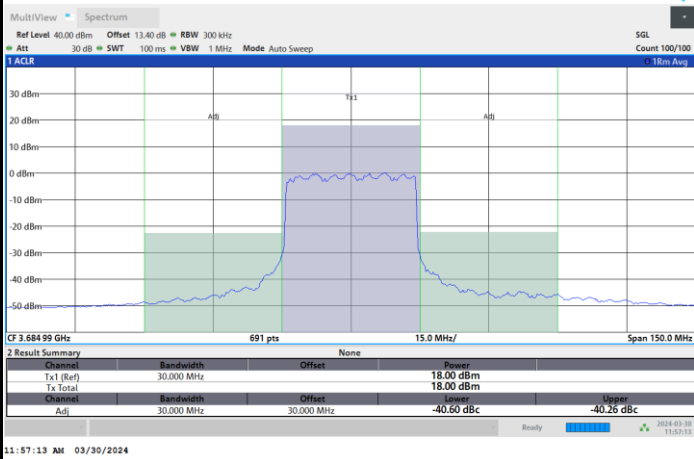
Highest Channel

1RB0

1RBmax



Full RB



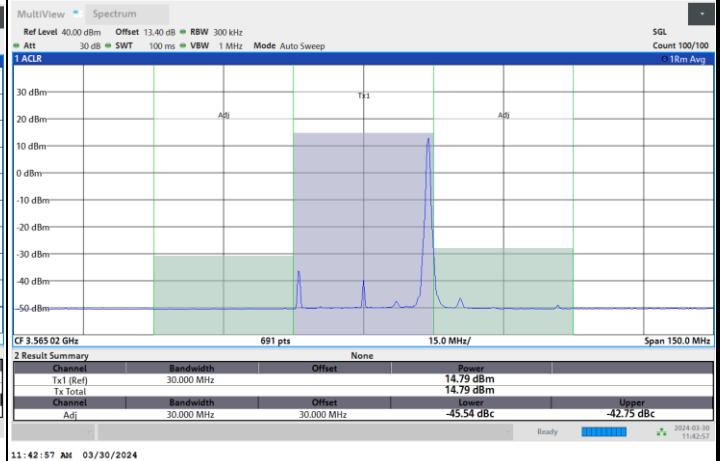
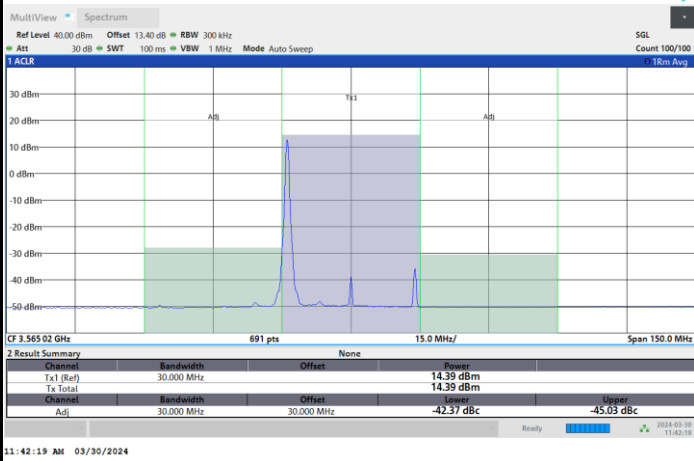


FR1 n48 / 30MHz / CP OFDM / 256QAM

Lowest Channel

1RB0

1RBmax



Full RB





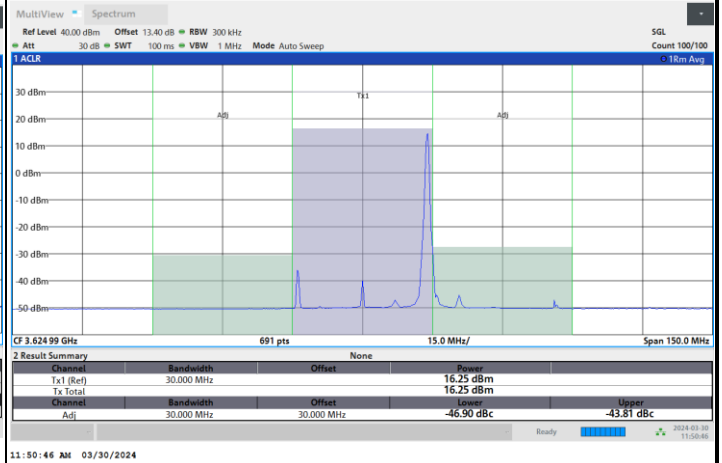
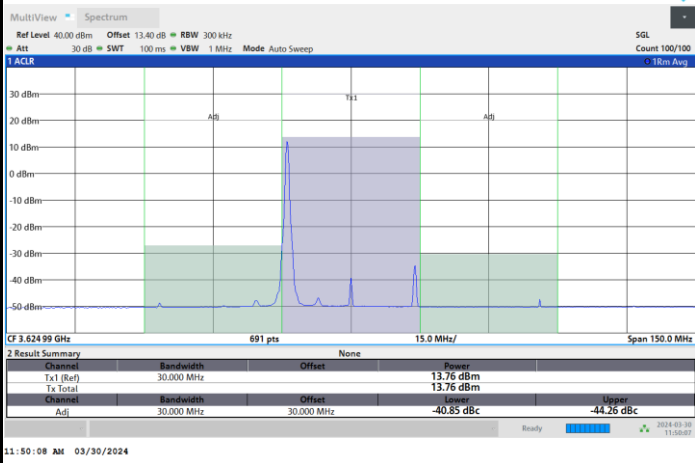


FR1 n48 / 30MHz / CP OFDM / 256QAM

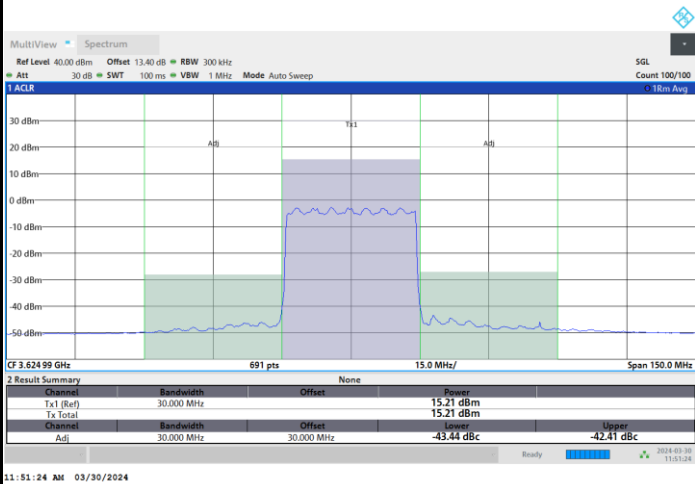
Middle Channel

1RB0

1RBmax



Full RB



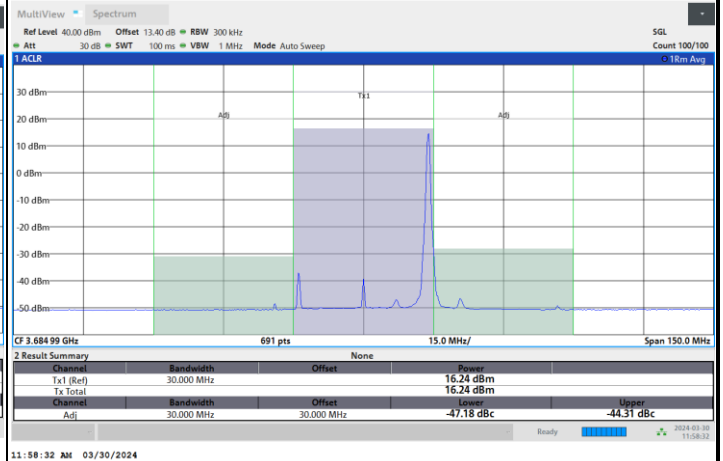
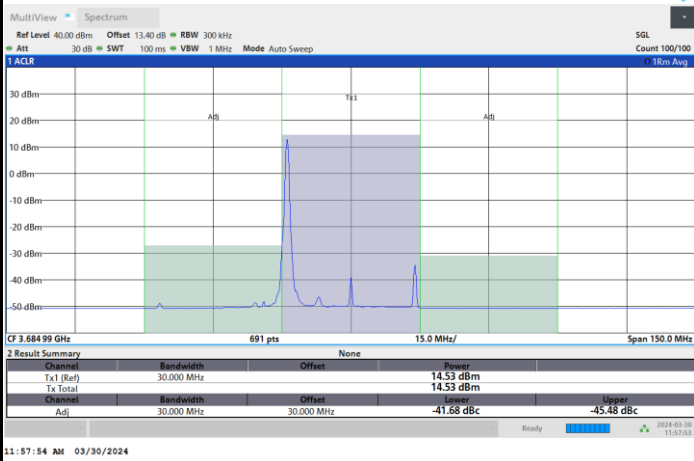


FR1 n48 / 30MHz / CP OFDM / 256QAM

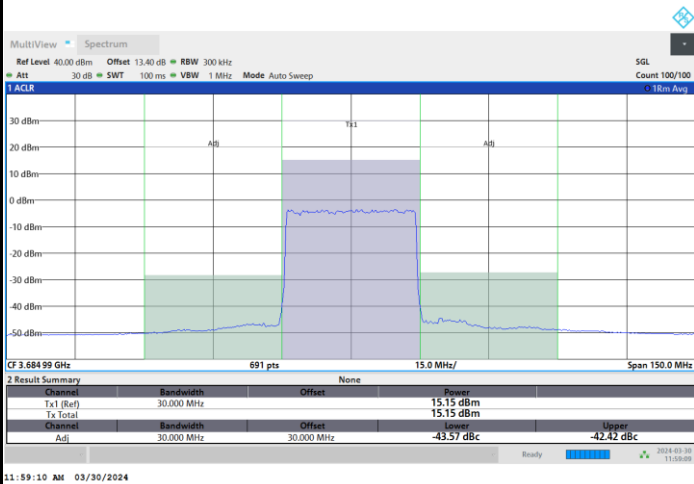
Highest Channel

1RB0

1RBmax



Full RB

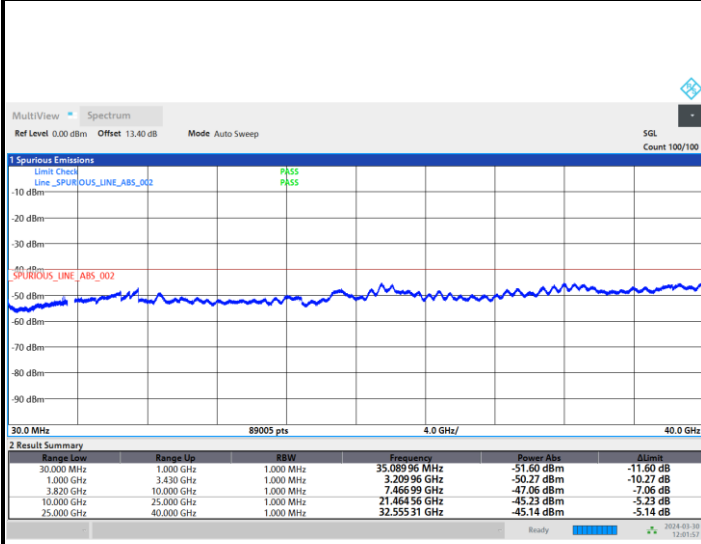




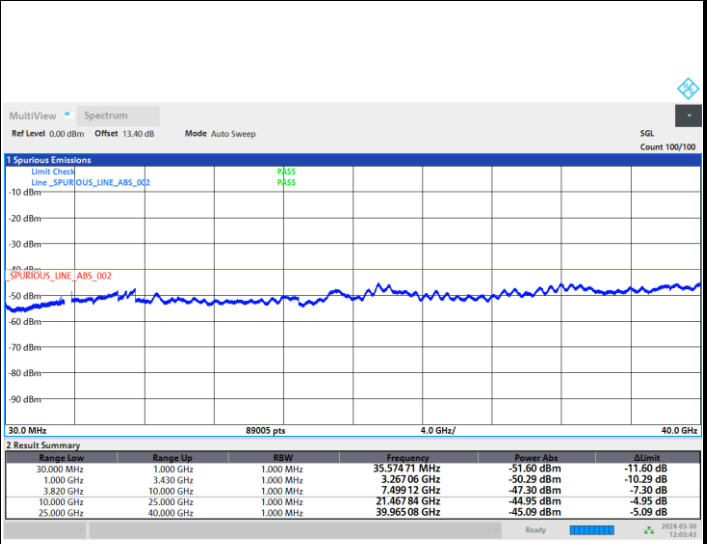
# Conducted Spurious Emission

FR1 n48 / 10MHz / CP OFDM / QPSK / 1RB1

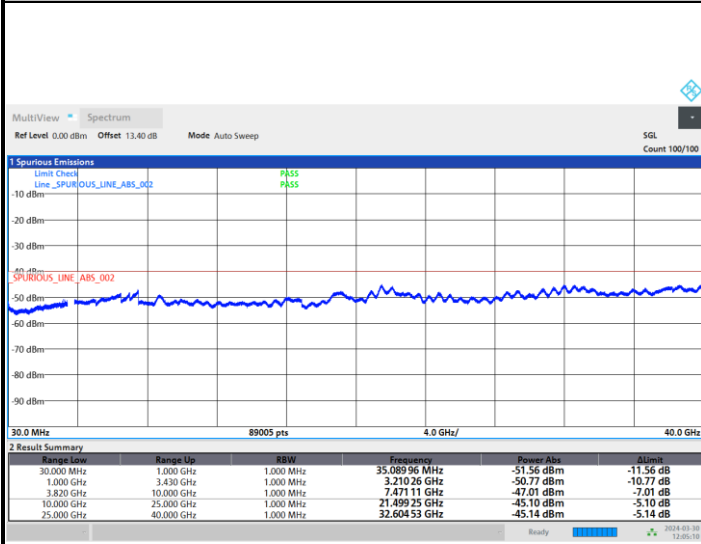
## Lowest Channel



## Middle Channel



## Highest Channel

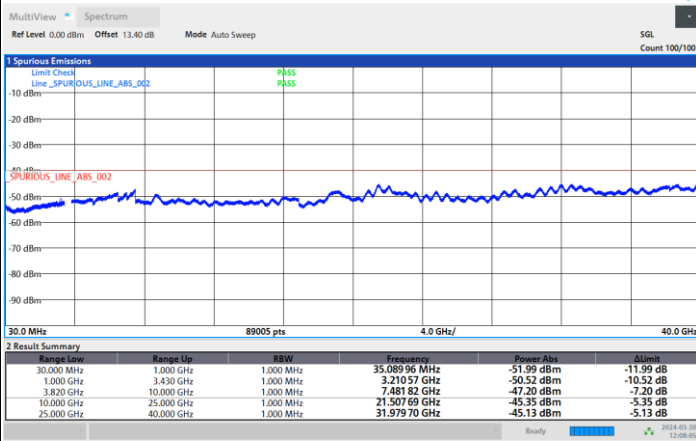
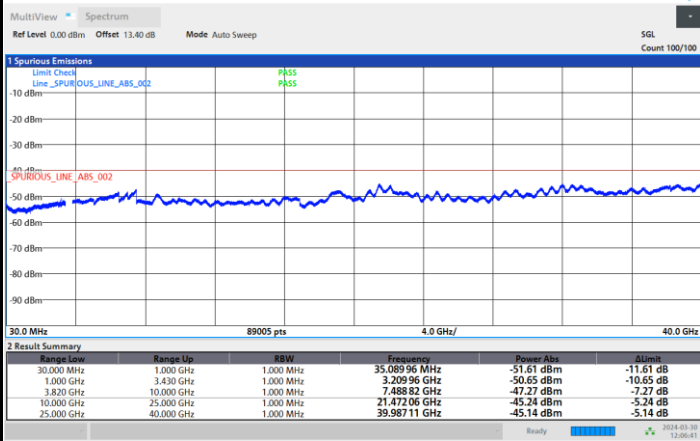




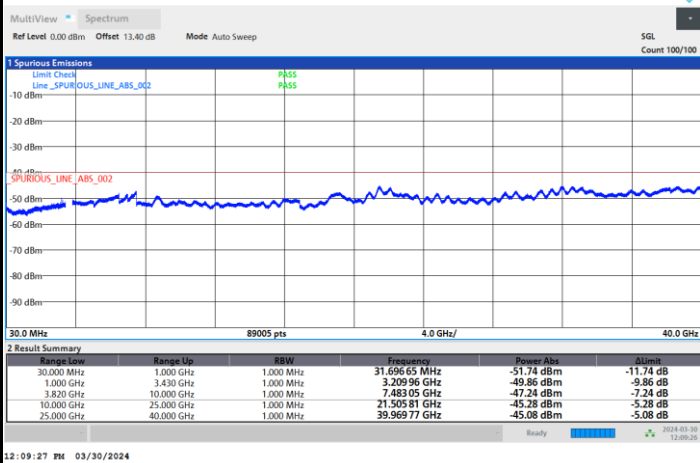
FR1 n48 / 15MHz / CP OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel

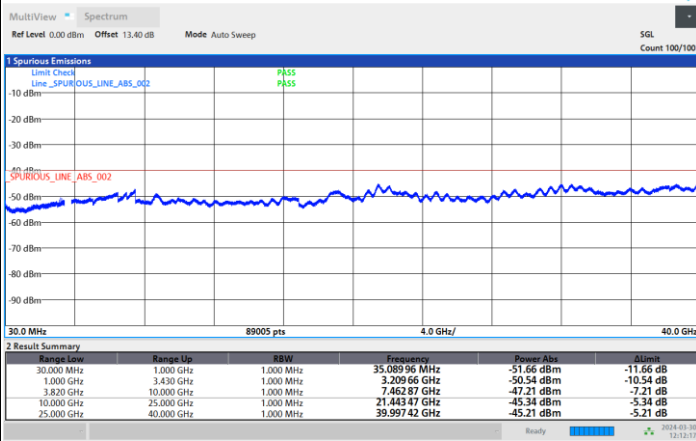
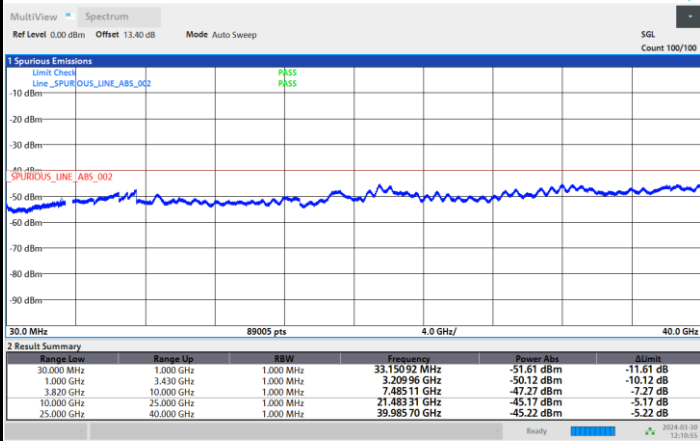




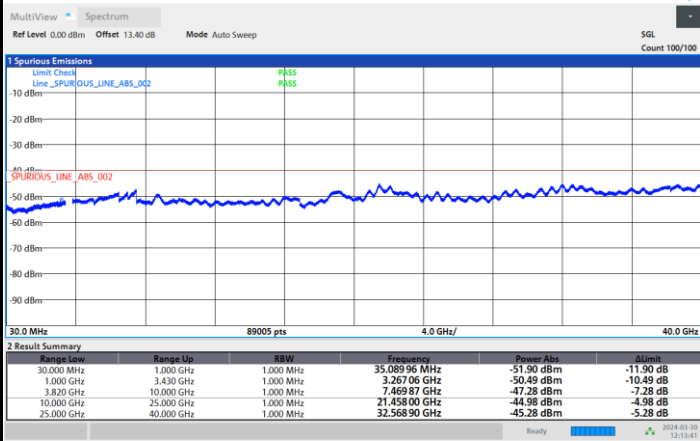
FR1 n48 / 30MHz / CP OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel





### Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0041	PASS
40	Normal Voltage	0.0131	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0146	
-30	Normal Voltage	0.0085	
20	Maximum Voltage	0.0112	
20	Normal Voltage	0.0196	
20	Battery End Point	0.0103	

**Note:**

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

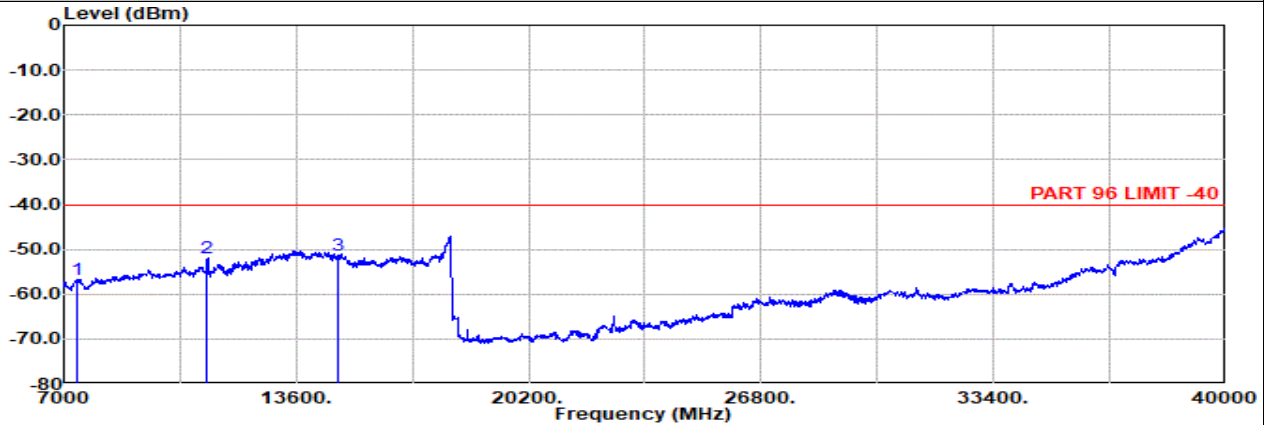
### B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	NR SA n48	H	11072	-48.55	RMS	38.94	-49.40	0.55	-95.23	56.59	-40.00	-8.55	V	3
2	Part 96	NR SA n48 UL MIMO	H	11072	-47.03	RMS	38.94	-49.40	0.55	-95.23	58.11	-40.00	-7.03	V	3+1



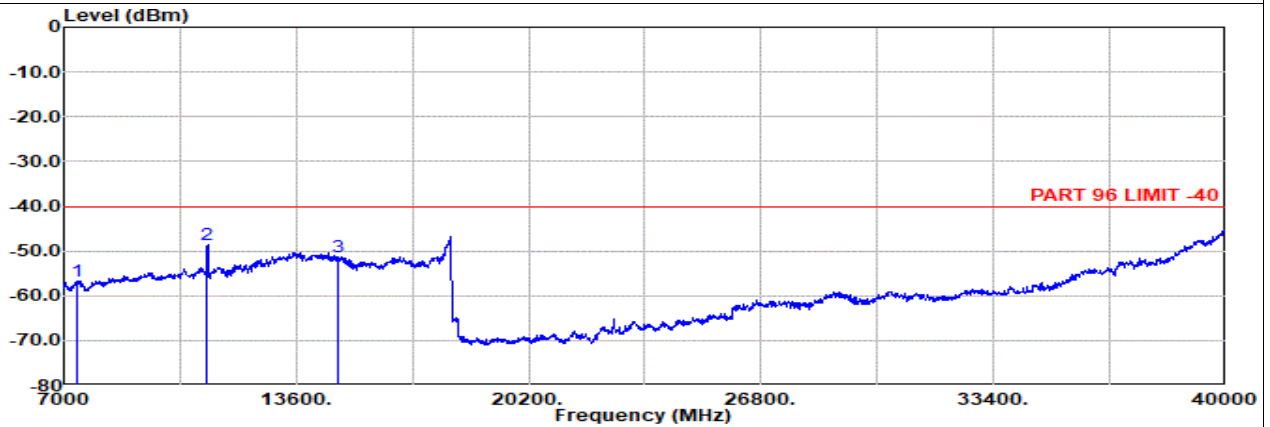
ANT3

Part 96 Mode 1  
NR SA n48 10M Ch646332 1RB1 BPSK  
H



Site : 03CH12-HY  
Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Horizontal  
: SA n48 10M Ch646332 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol	
				Factor	1						g
	MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1	7382.00	-56.78	RMS	36.81	-51.63	0.95	-95.23	52.32	-40.00	-16.78	Horizontal
2	11072.00	-52.08	RMS	38.94	-49.40	0.55	-95.23	53.06	-40.00	-12.08	Horizontal
3	14763.00	-51.38	RMS	40.60	-45.58	0.79	-95.23	48.04	-40.00	-11.38	Horizontal



Site : 03CH12-HY  
Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Vertical  
: SA n48 10M Ch646332 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol	
				Factor	1						g
	MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1	7382.00	-56.88	RMS	36.81	-51.63	0.95	-95.23	52.22	-40.00	-16.88	Vertical
2	11072.00	-48.55	RMS	38.94	-49.40	0.55	-95.23	56.59	-40.00	-8.55	Vertical
3	14763.00	-51.20	RMS	40.60	-45.58	0.79	-95.23	48.22	-40.00	-11.20	Vertical



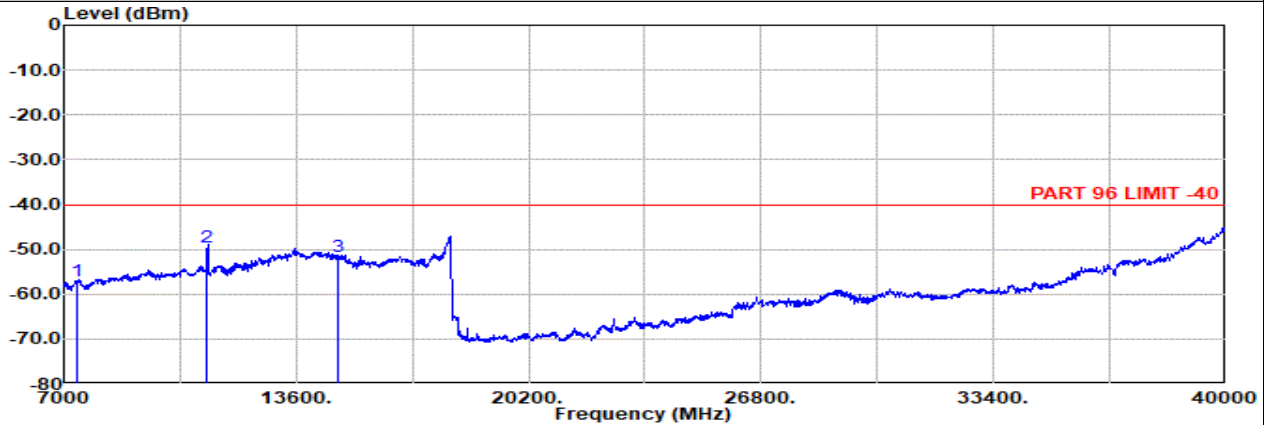


ANT3+1

Part 96 Mode 2

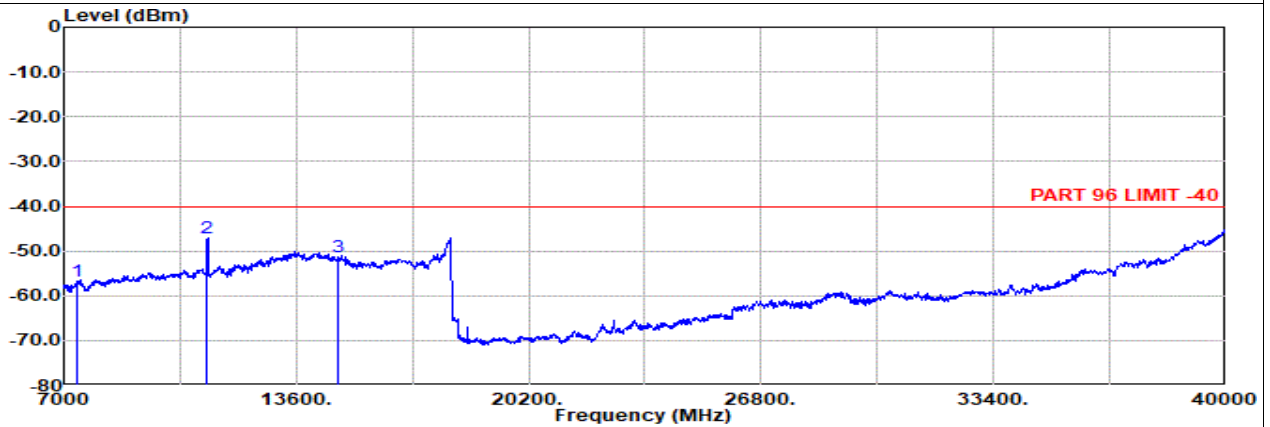
NR SA n48 UL MIMO 10M Ch646332 1RB1 BPSK

H



Site : 03CH12-HY  
 Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Horizontal  
 : SA n48 10M Ch646332 1RB1 BPSK

1	MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin	Pol	
				Factor	1						
				dB/m	dB	dB	dBuV		dB		
1	7382.00	-57.01	RMS	36.81	-51.63	0.95	-95.23	52.09	-40.00	-17.01	Horizontal
2	11072.00	-49.48	RMS	38.94	-49.40	0.55	-95.23	55.66	-40.00	-9.48	Horizontal
3	14763.00	-51.47	RMS	40.60	-45.58	0.79	-95.23	47.95	-40.00	-11.47	Horizontal



Site : 03CH12-HY  
 Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Vertical  
 : SA n48 10M Ch646332 1RB1 BPSK

1	MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin	Pol	
				Factor	1						
				dB/m	dB	dB	dBuV		dB		
1	7382.00	-56.80	RMS	36.81	-51.63	0.95	-95.23	52.30	-40.00	-16.80	Vertical
2	11072.00	-47.03	RMS	38.94	-49.40	0.55	-95.23	58.11	-40.00	-7.03	Vertical
3	14763.00	-51.36	RMS	40.60	-45.58	0.79	-95.23	48.06	-40.00	-11.36	Vertical

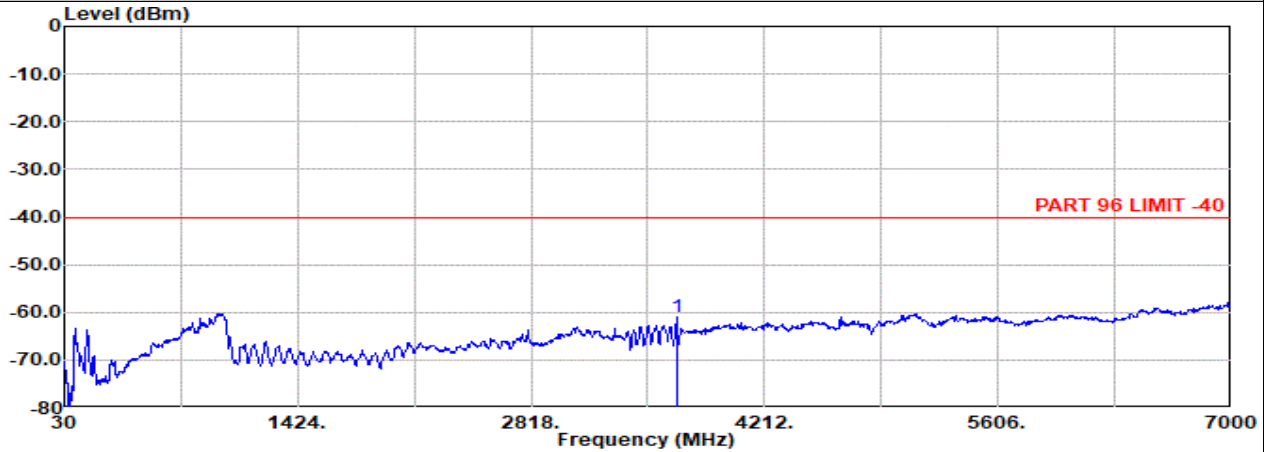


ANT3+1

Part 96 Mode 2 (LF)

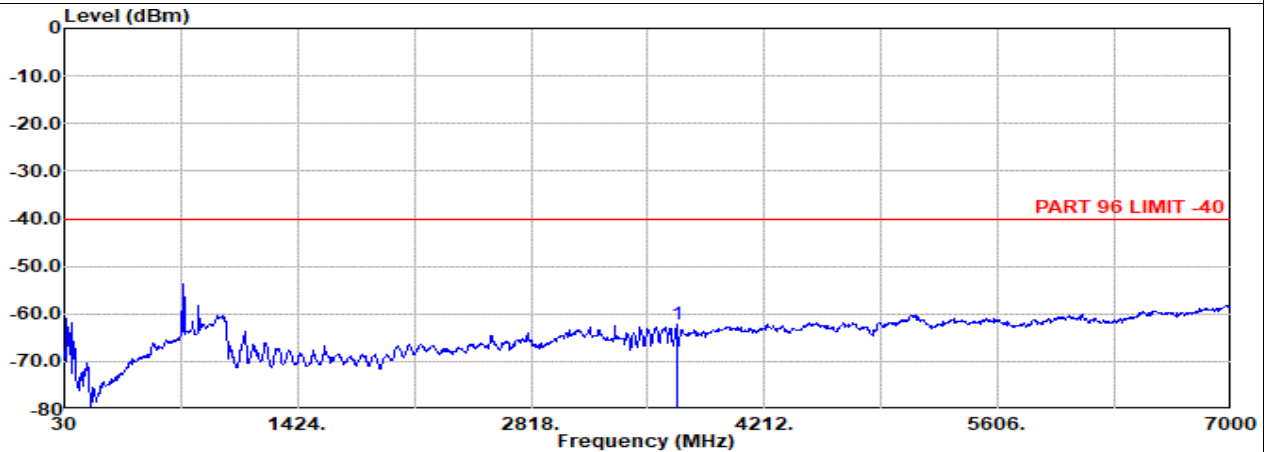
NR SA n48 UL MIMO 10M Ch646332 1RB1 BPSK

H



Site : 03CH12-HY  
 Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Horizontal  
 : SA n48 10M Ch646332 1RB1 BPSK

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		Factor	1					
	3691.00	-61.00	RMS	29.70	-57.29	0.61	-95.23	61.21	-----	Horizontal



Site : 03CH12-HY  
 Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Vertical  
 : SA n48 10M Ch646332 1RB1 BPSK

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		Factor	1					
	3691.00	-62.09	RMS	29.70	-57.29	0.61	-95.23	60.12	-----	Vertical