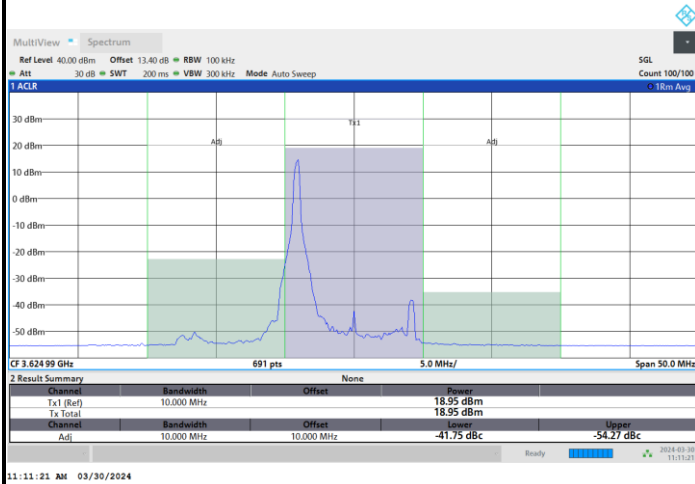




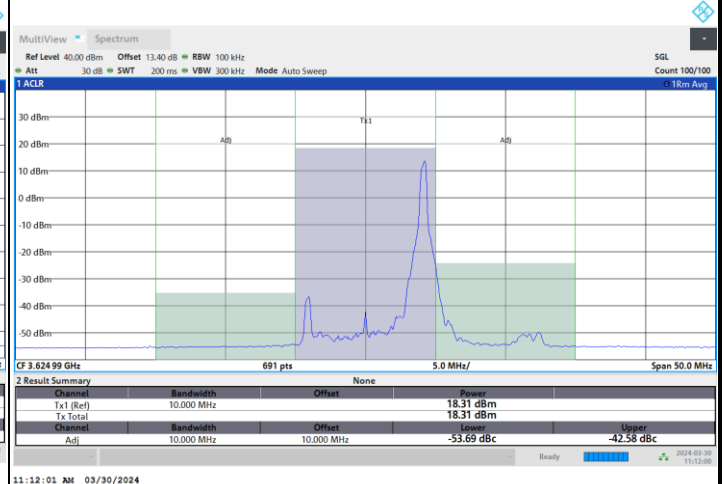
FR1 n48 / 10MHz / CP OFDM / 16QAM

Middle Channel

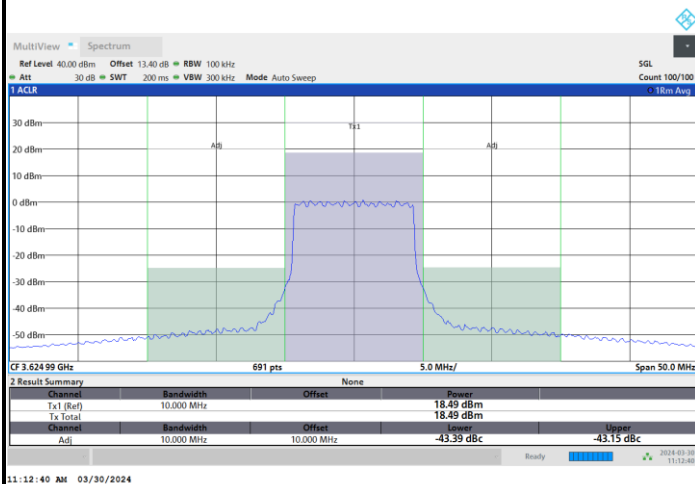
1RB0



1RBmax



Full RB

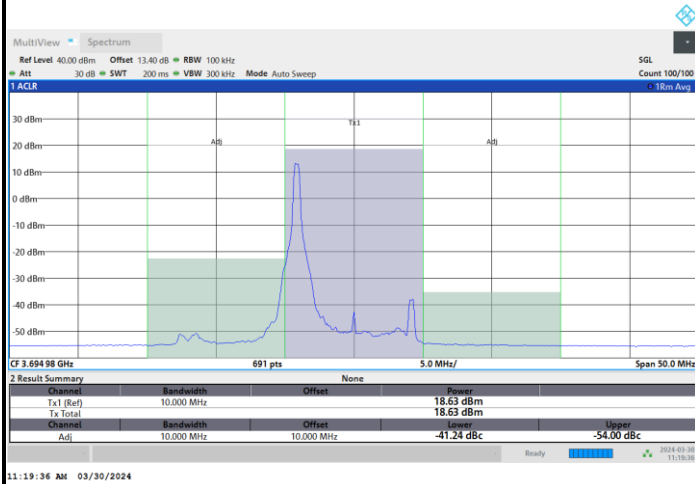




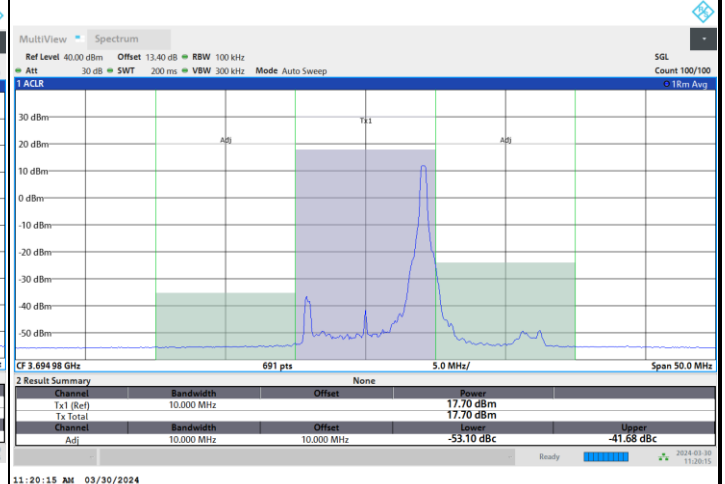
FR1 n48 / 10MHz / CP OFDM / 16QAM

Highest Channel

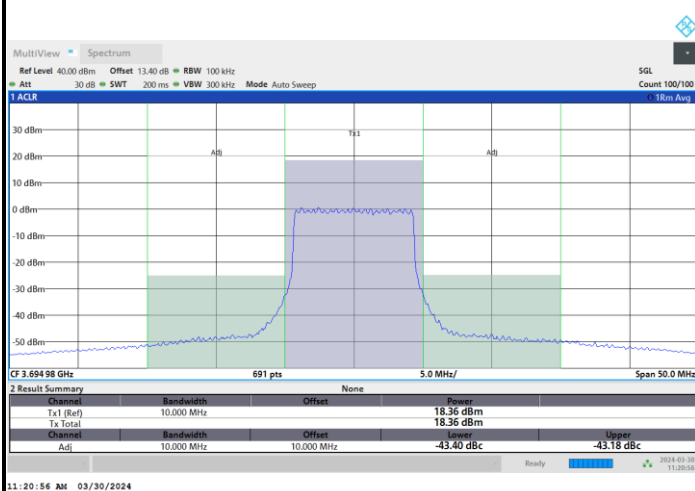
1RB0



1RBmax



Full RB

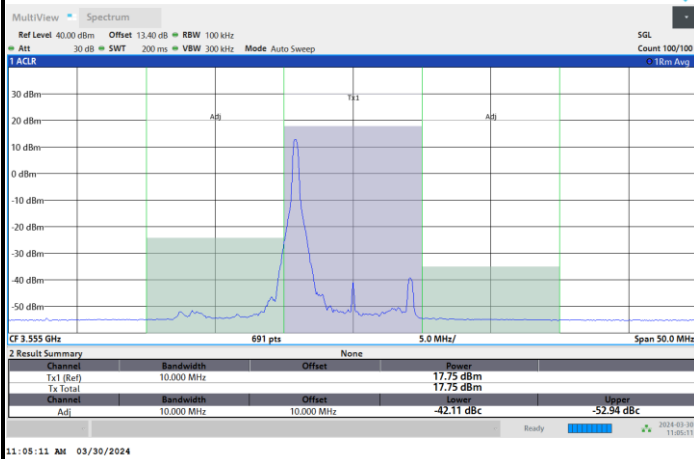




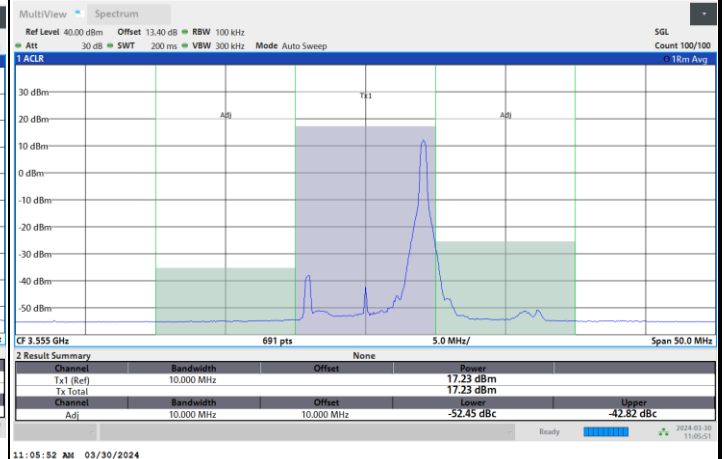
FR1 n48 / 10MHz / CP OFDM / 64QAM

Lowest Channel

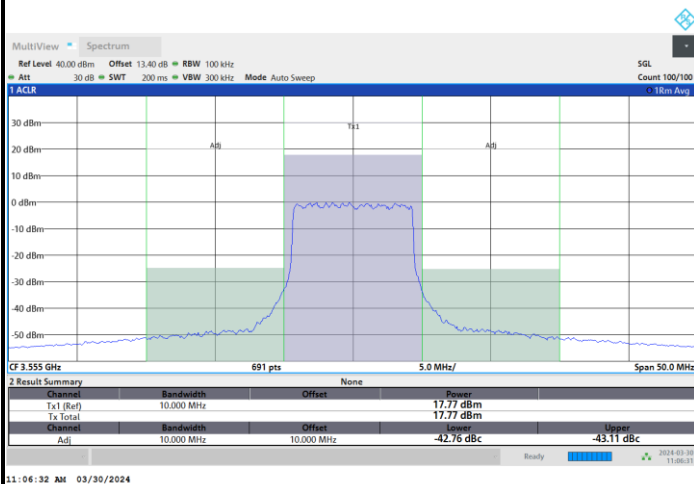
1RB0



1RBmax



Full RB

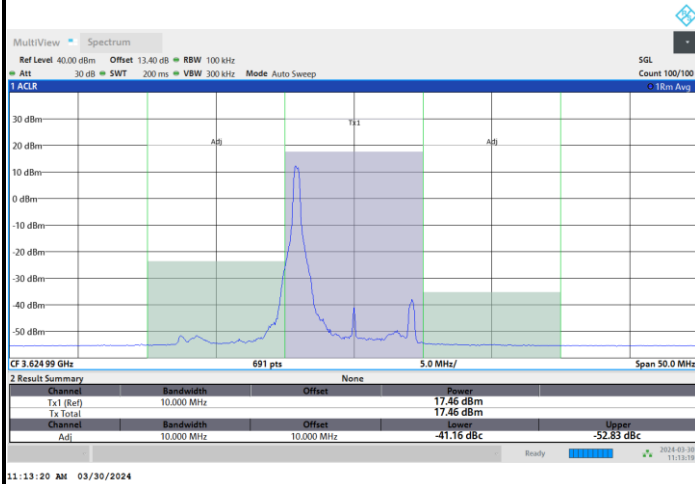




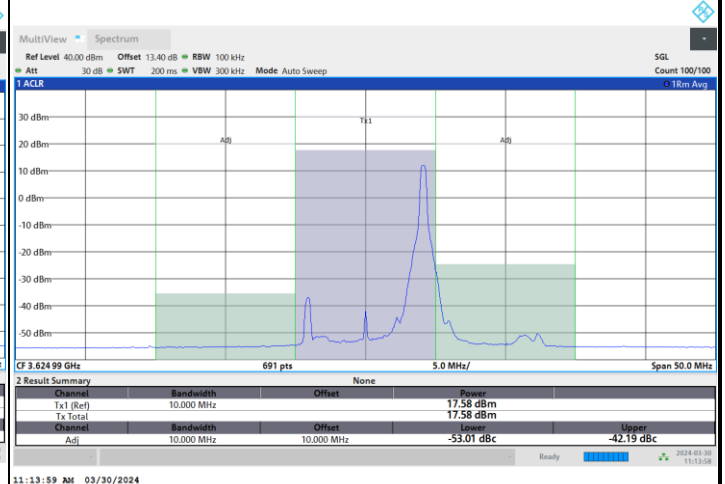
FR1 n48 / 10MHz / CP OFDM / 64QAM

Middle Channel

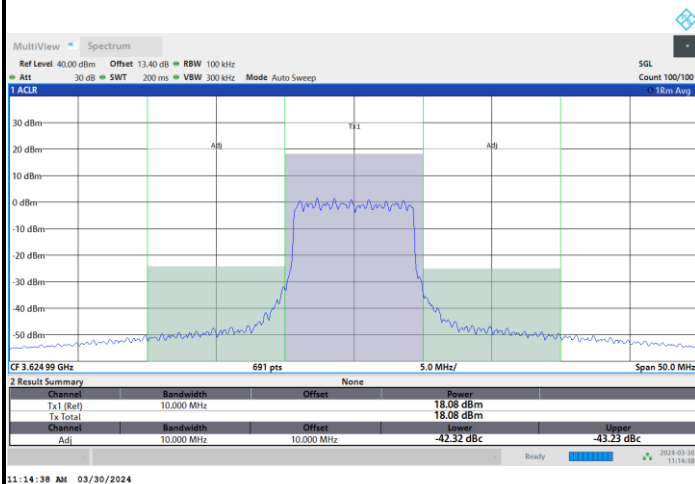
1RB0



1RBmax



Full RB

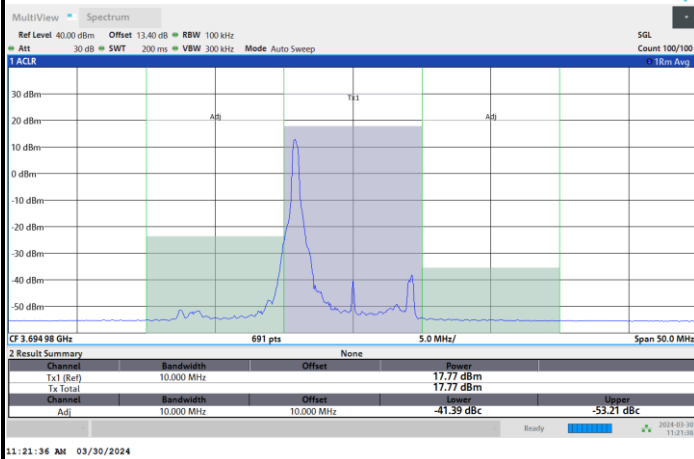




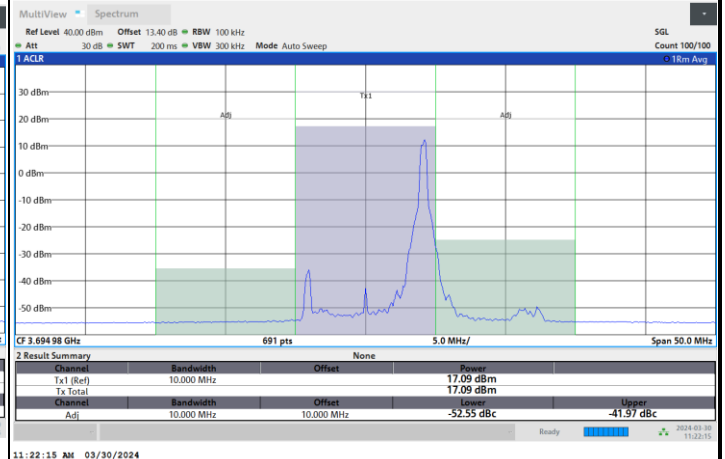
FR1 n48 / 10MHz / CP OFDM / 64QAM

Highest Channel

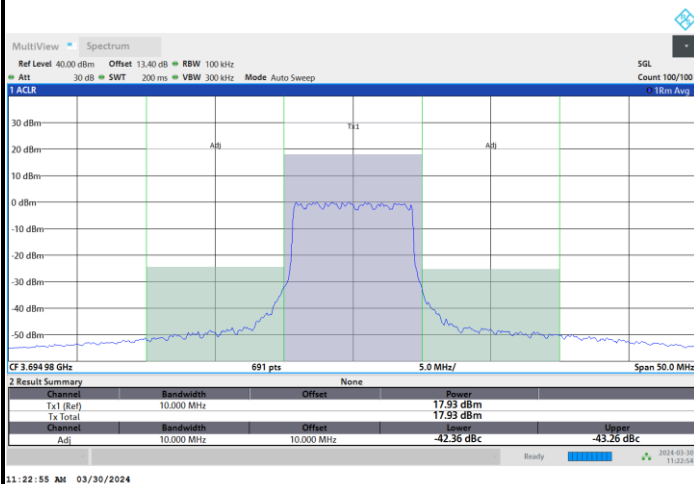
1RB0



1RBmax



Full RB

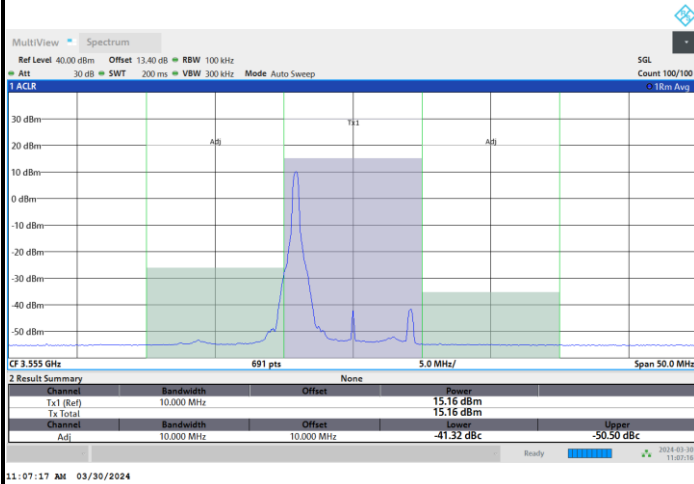




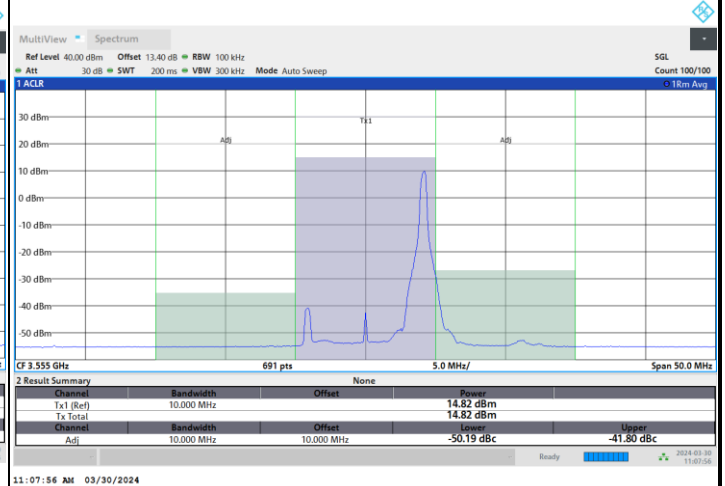
FR1 n48 / 10MHz / CP OFDM / 256QAM

Lowest Channel

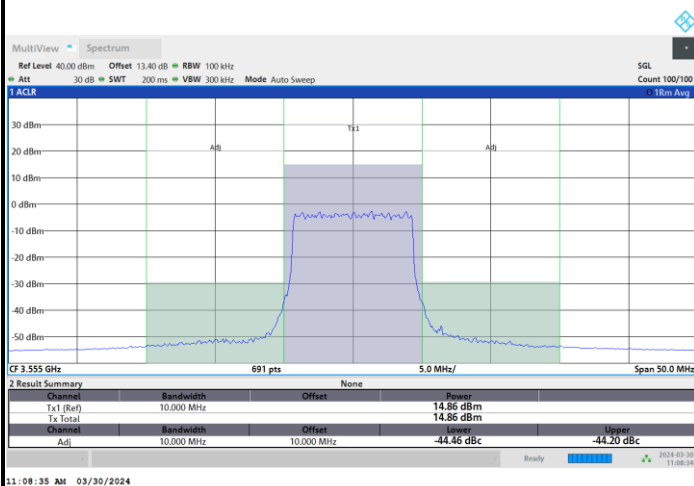
1RB0



1RBmax



Full RB

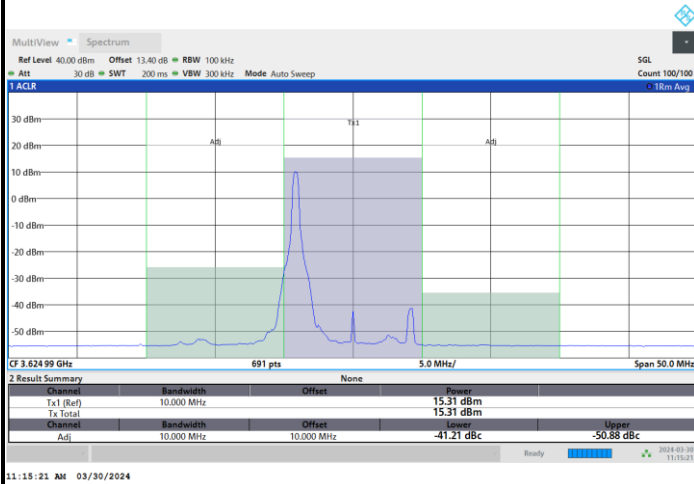




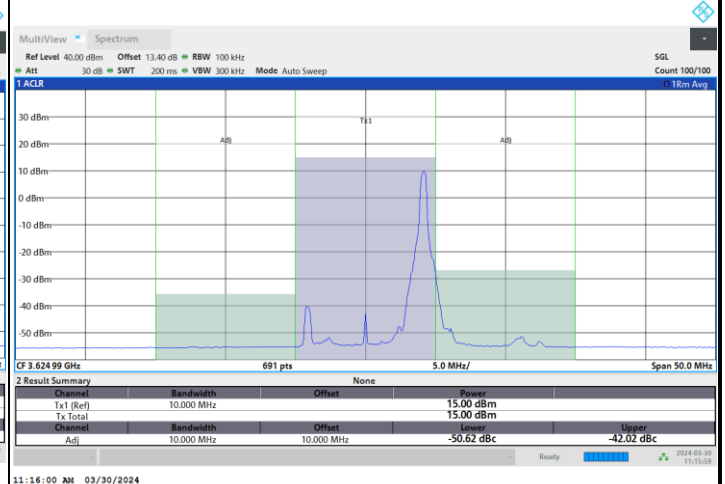
FR1 n48 / 10MHz / CP OFDM / 256QAM

Middle Channel

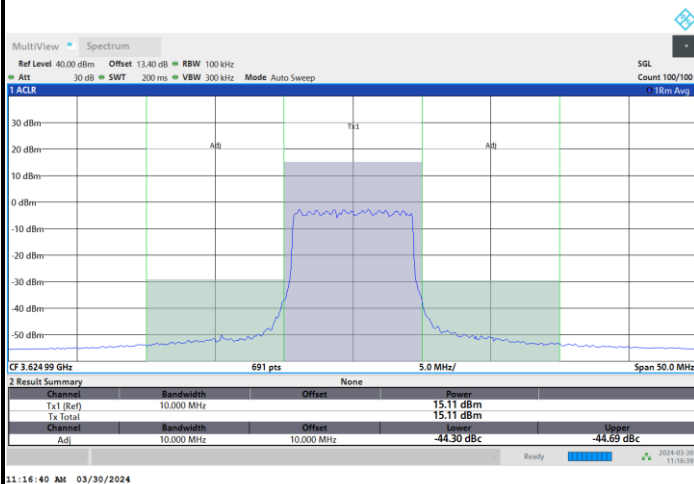
1RB0



1RBmax



Full RB

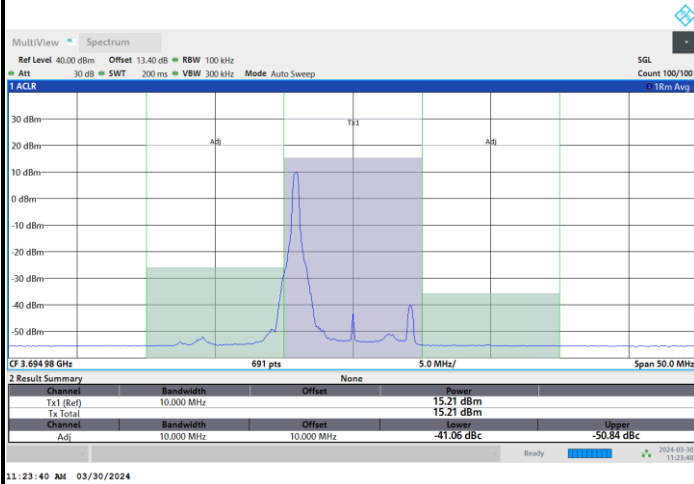




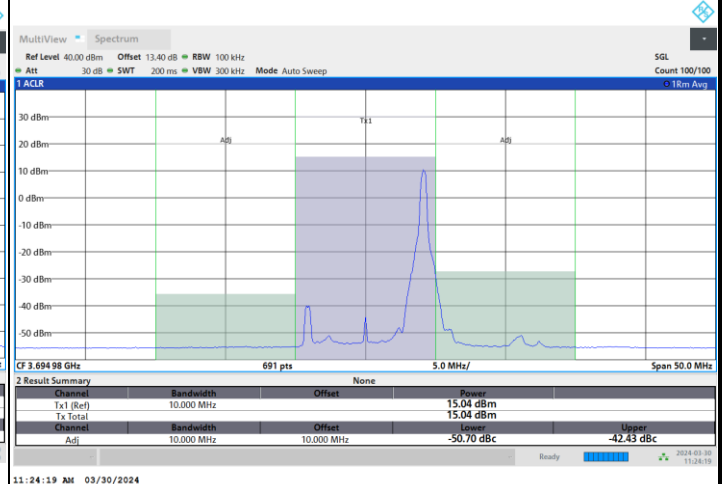
FR1 n48 / 10MHz / CP OFDM / 256QAM

Highest Channel

1RB0



1RBmax



Full RB

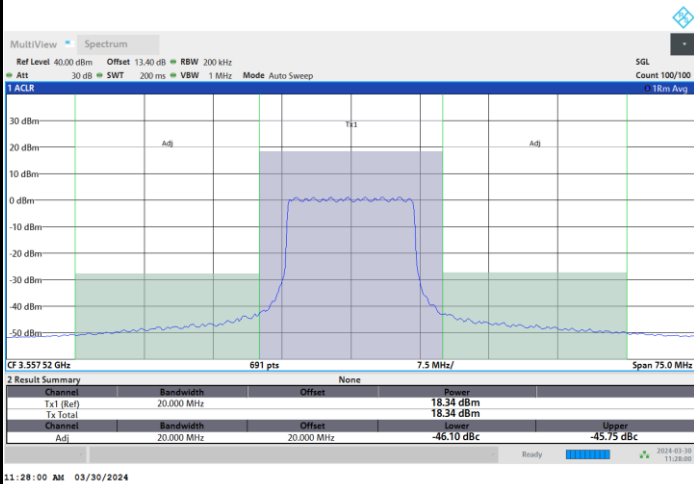




FR1 n48 / 15MHz / CP OFDM / QPSK

Lowest Channel

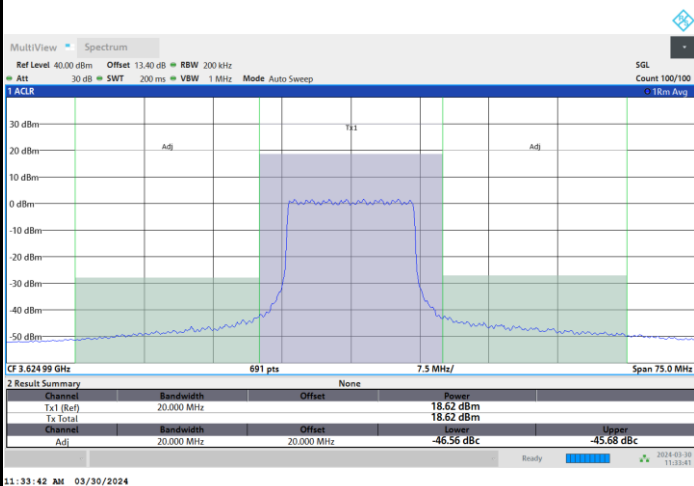
Full RB



FR1 n48 / 15MHz / CP OFDM / QPSK

Middle Channel

Full RB

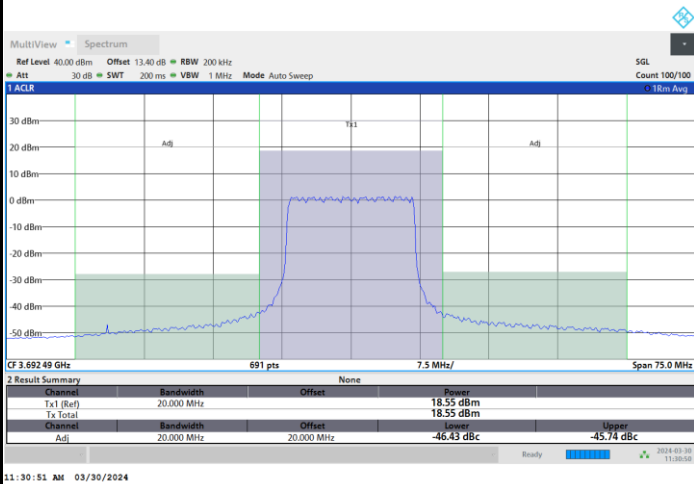




FR1 n48 / 15MHz / CP OFDM / QPSK

Highest Channel

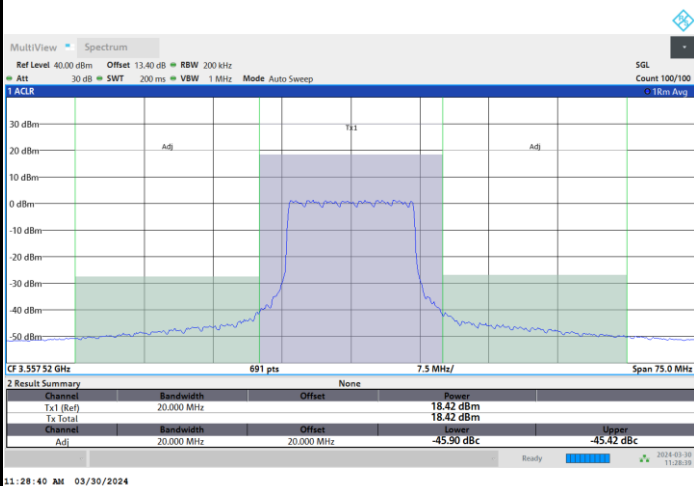
Full RB



FR1 n48 / 15MHz / CP OFDM / 16QAM

Lowest Channel

Full RB

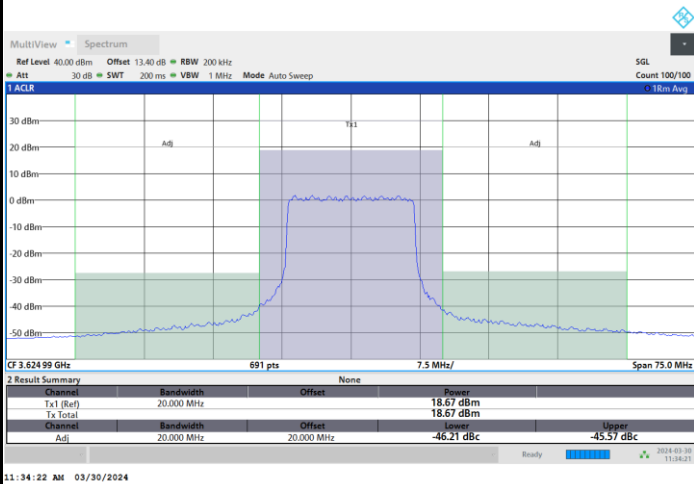




FR1 n48 / 15MHz / CP OFDM / 16QAM

Middle Channel

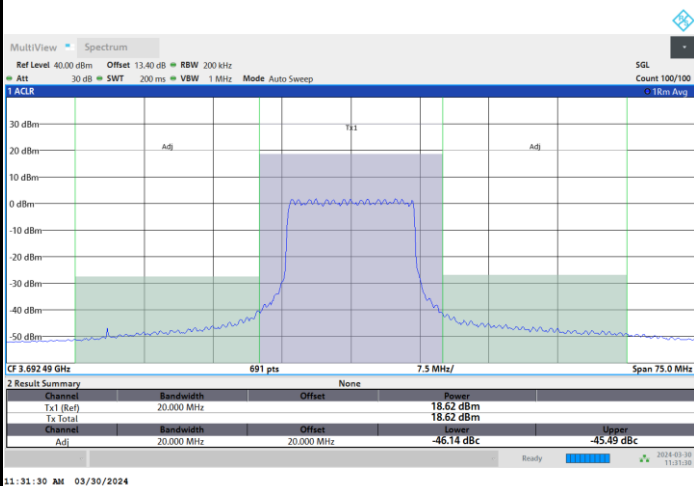
Full RB



FR1 n48 / 15MHz / CP OFDM / 16QAM

Highest Channel

Full RB

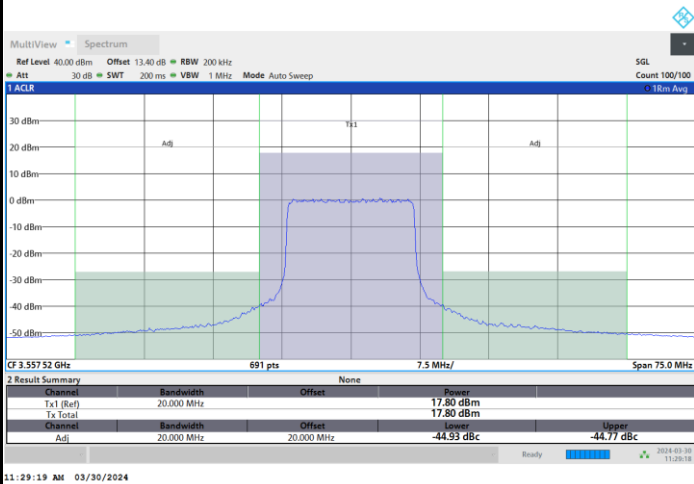




FR1 n48 / 15MHz / CP OFDM / 64QAM

Lowest Channel

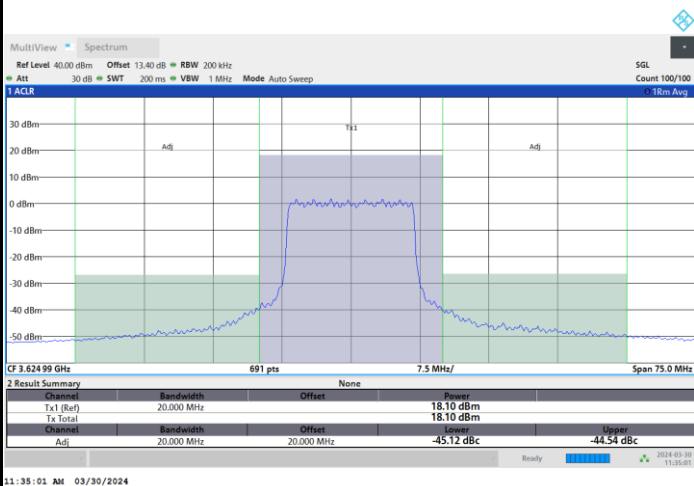
Full RB



FR1 n48 / 15MHz / CP OFDM / 64QAM

Middle Channel

Full RB

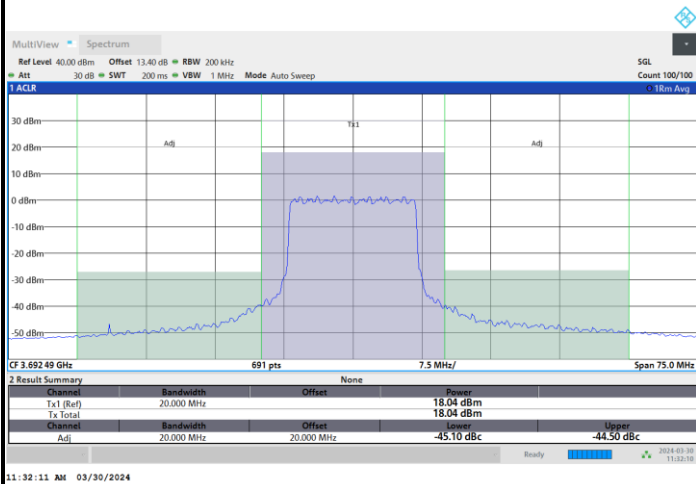




FR1 n48 / 15MHz / CP OFDM / 64QAM

Highest Channel

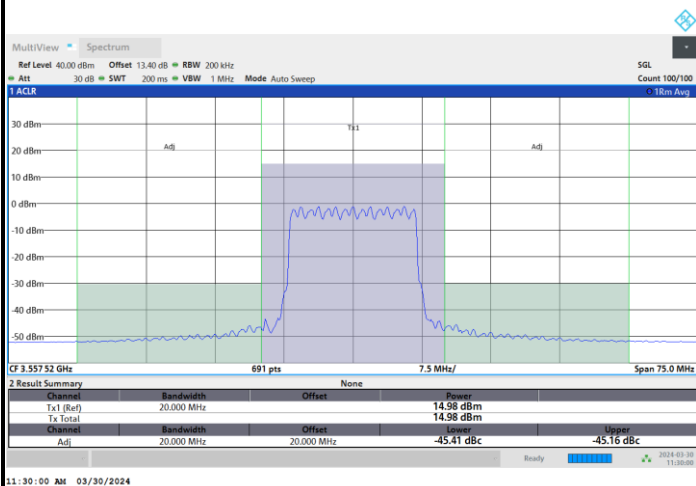
Full RB



FR1 n48 / 15MHz / CP OFDM / 256QAM

Lowest Channel

Full RB

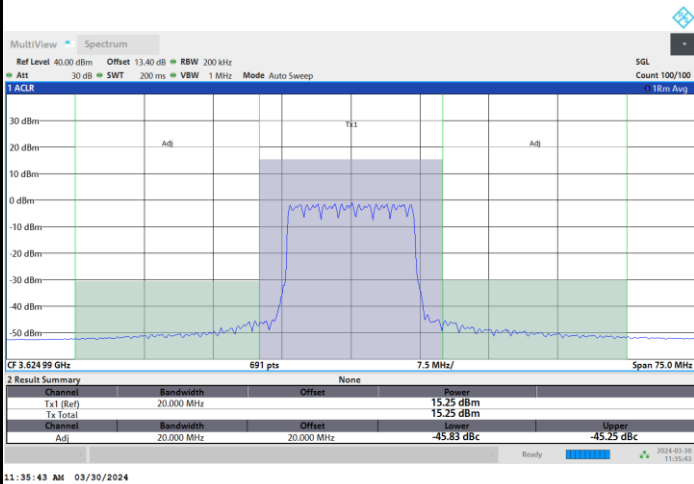




FR1 n48 / 15MHz / CP OFDM / 256QAM

Middle Channel

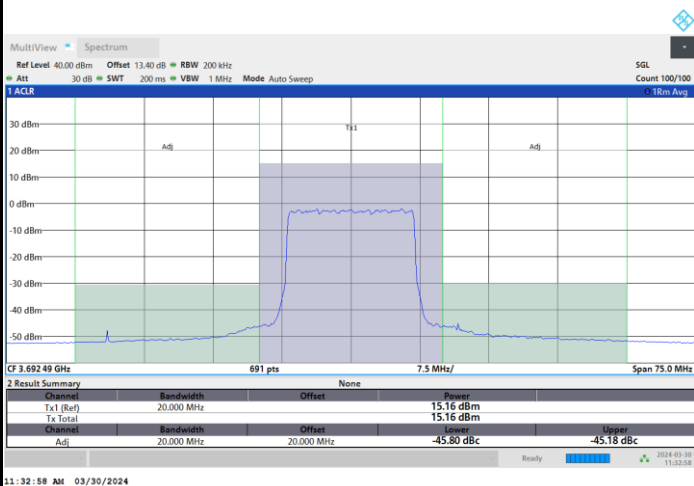
Full RB



FR1 n48 / 15MHz / CP OFDM / 256QAM

Highest Channel

Full RB

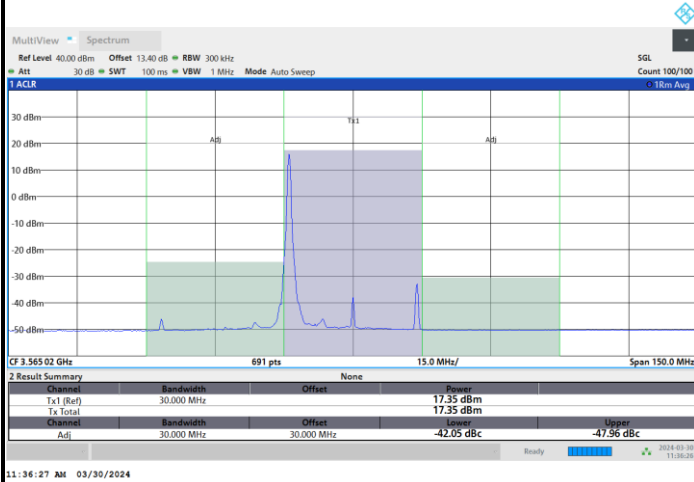




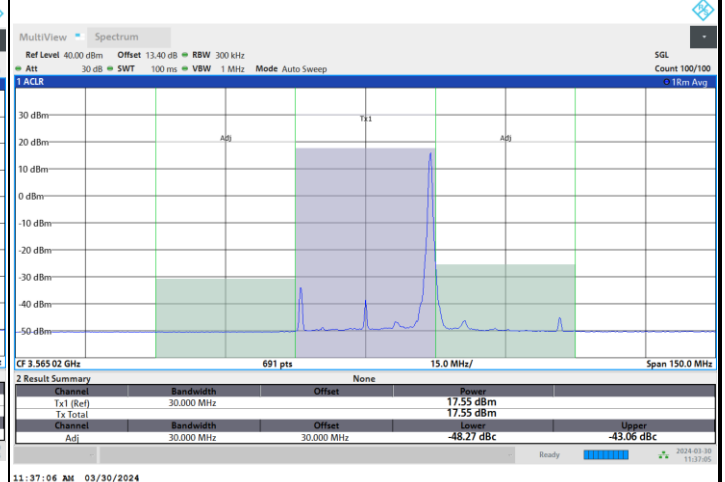
FR1 n48 / 30MHz / CP OFDM / QPSK

Lowest Channel

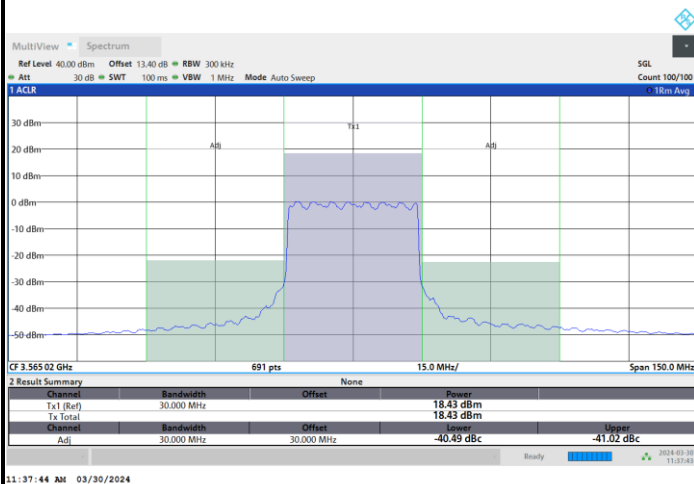
1RB0



1RBmax



Full RB

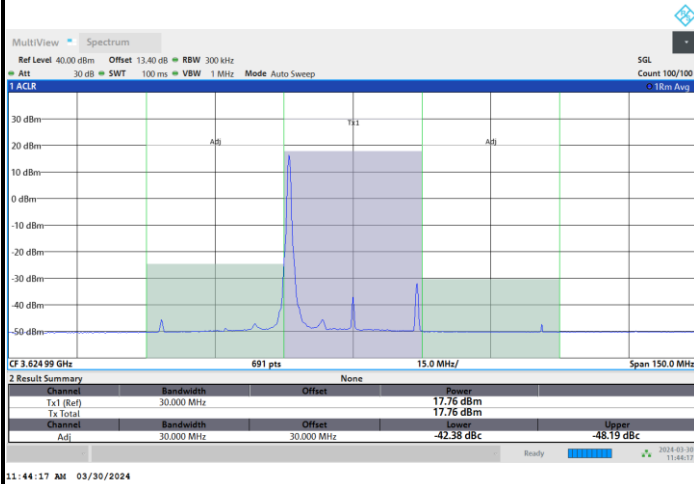




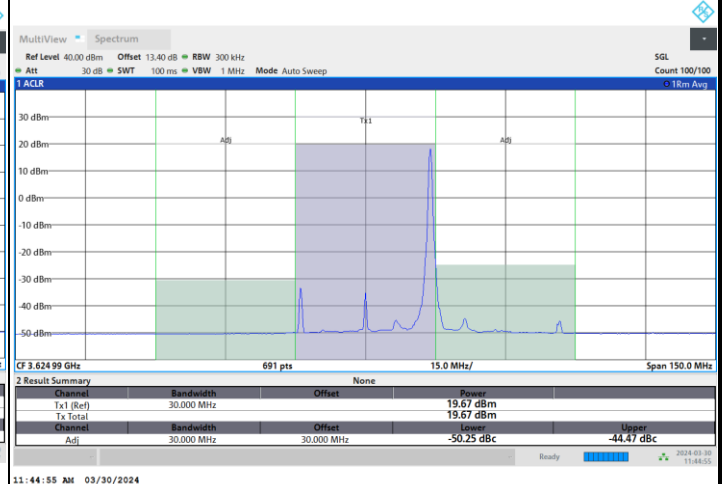
FR1 n48 / 30MHz / CP OFDM / QPSK

Middle Channel

1RB0



1RBmax



Full RB

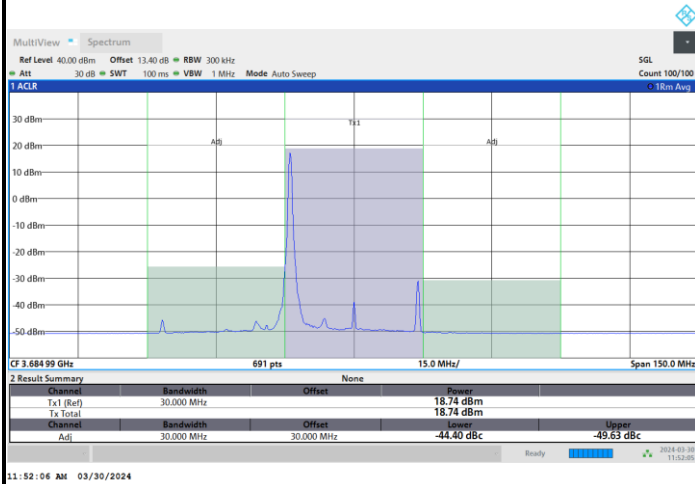




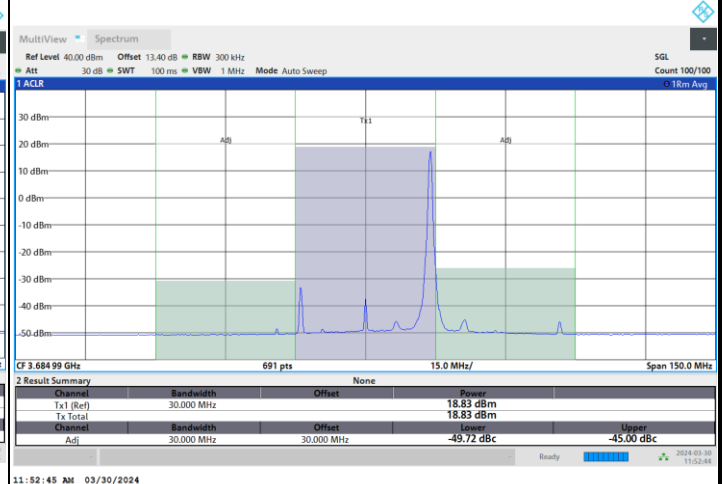
FR1 n48 / 30MHz / CP OFDM / QPSK

Highest Channel

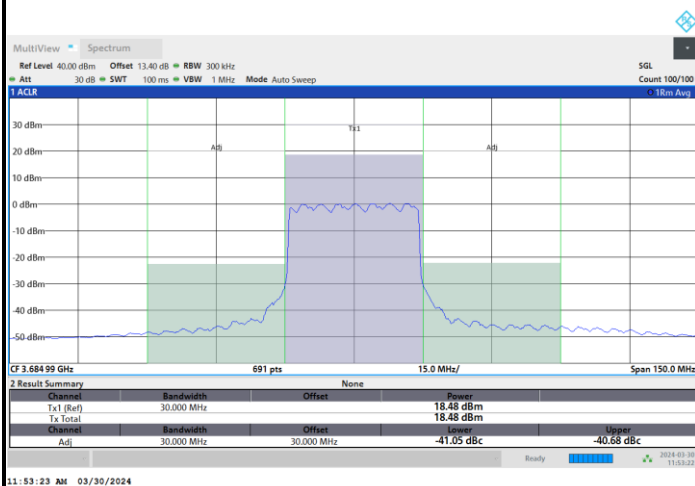
1RB0



1RBmax



Full RB

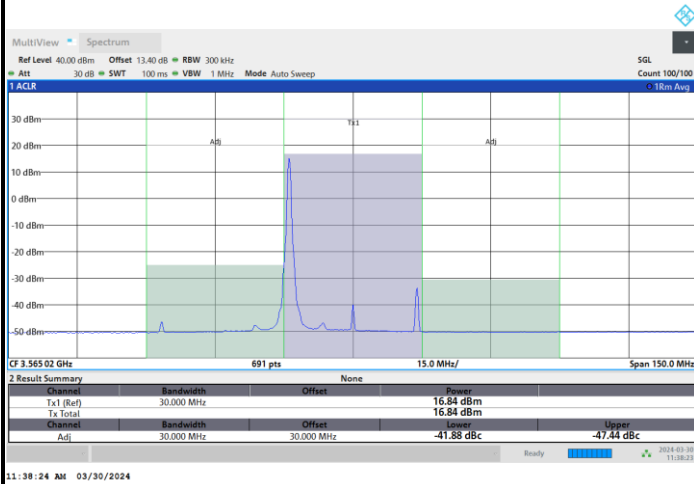




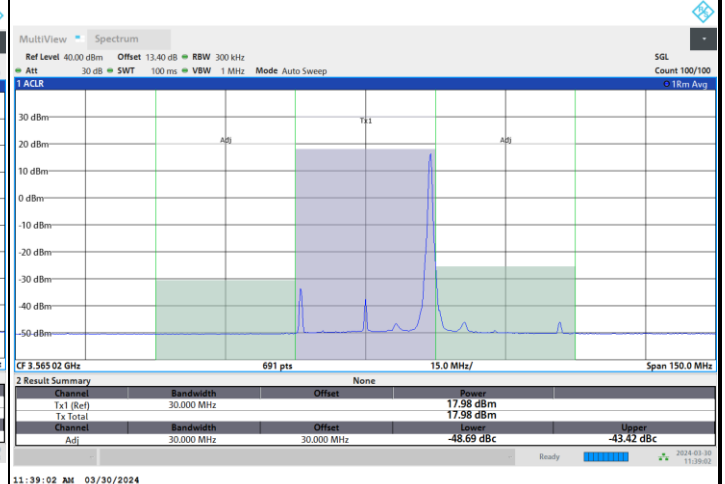
FR1 n48 / 30MHz / CP OFDM / 16QAM

Lowest Channel

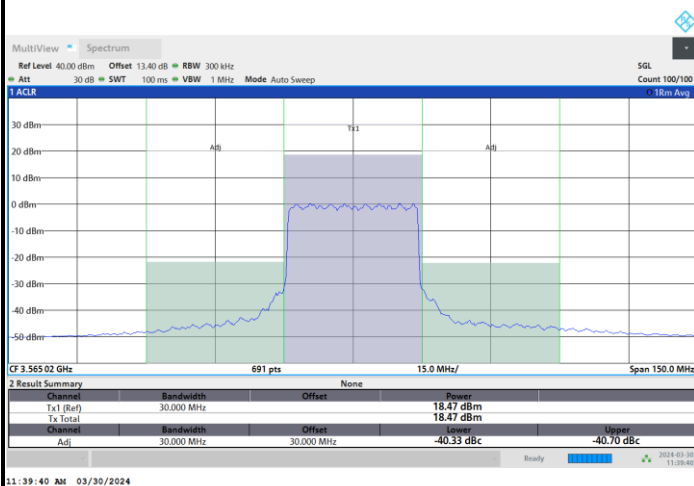
1RB0



1RBmax



Full RB

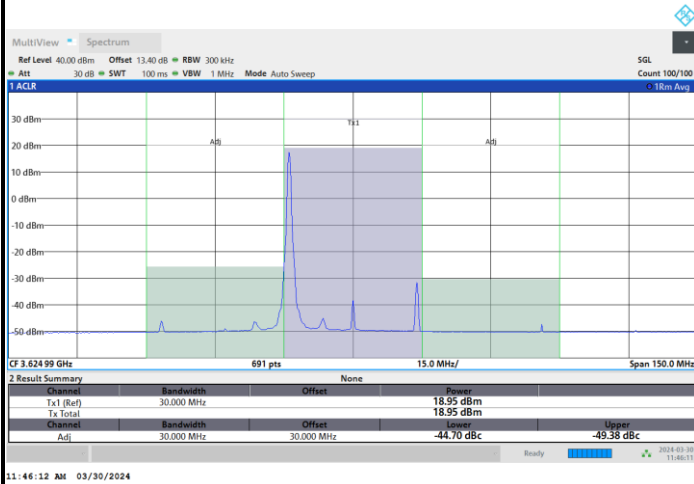




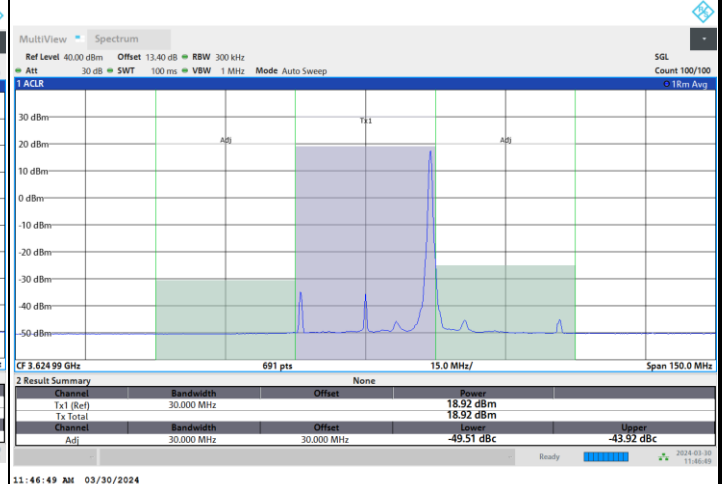
FR1 n48 / 30MHz / CP OFDM / 16QAM

Middle Channel

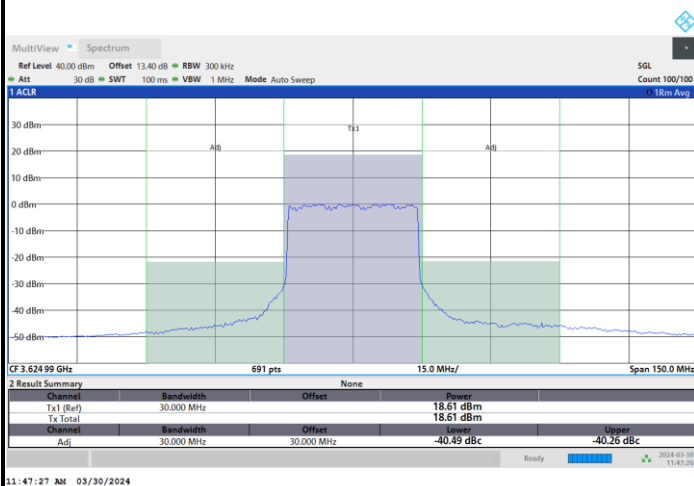
1RB0



1RBmax



Full RB

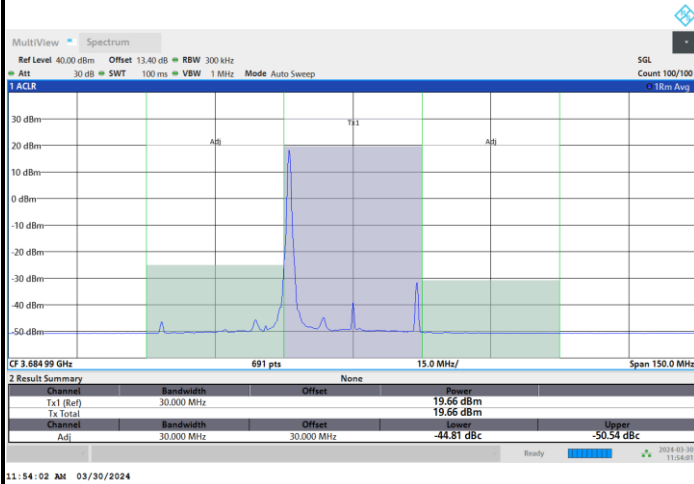




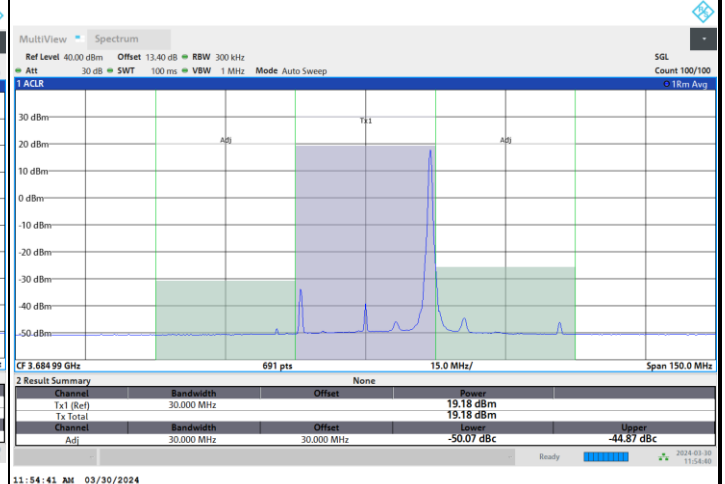
FR1 n48 / 30MHz / CP OFDM / 16QAM

Highest Channel

1RB0



1RBmax



Full RB

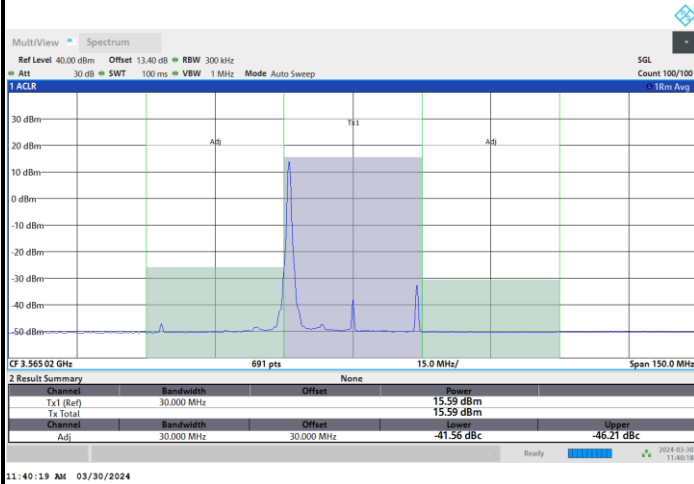




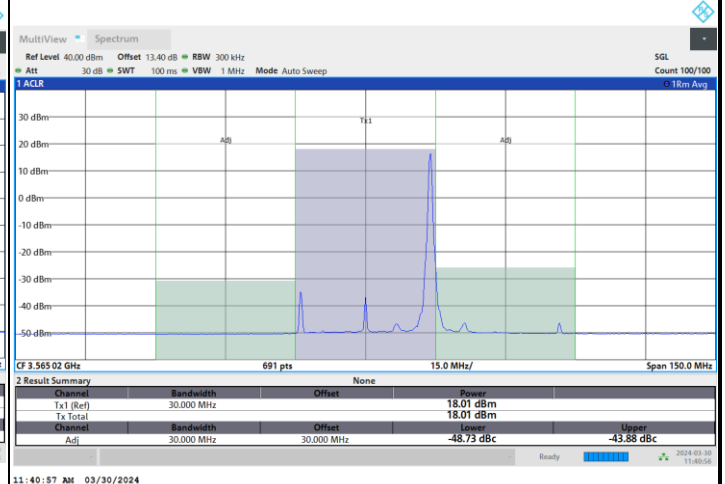
FR1 n48 / 30MHz / CP OFDM / 64QAM

Lowest Channel

1RB0



1RBmax



Full RB

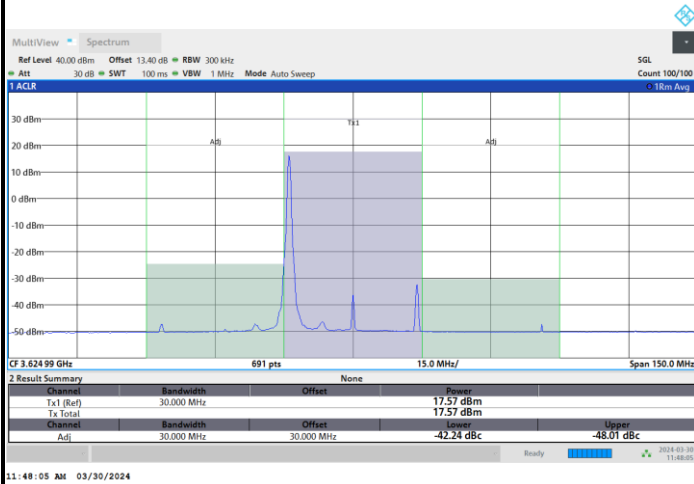




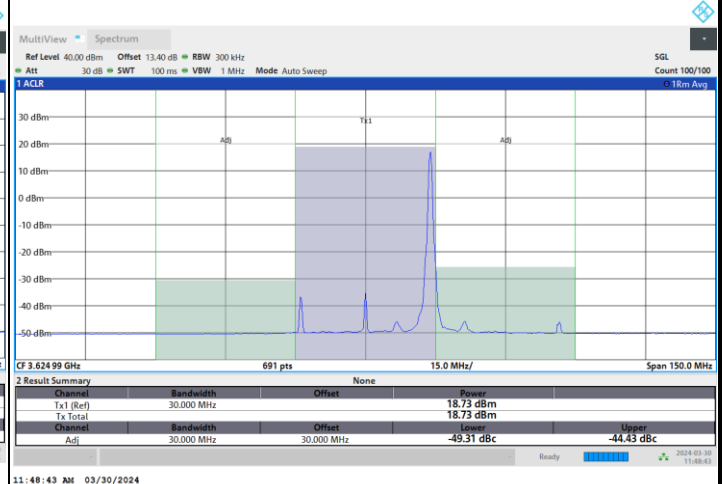
FR1 n48 / 30MHz / CP OFDM / 64QAM

Middle Channel

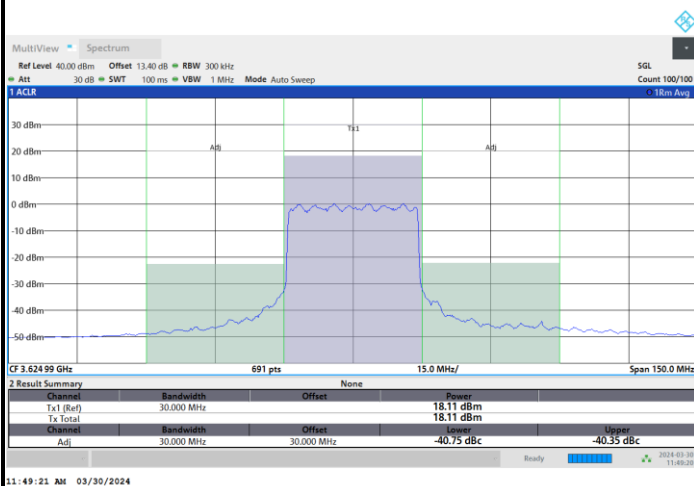
1RB0



1RBmax



Full RB

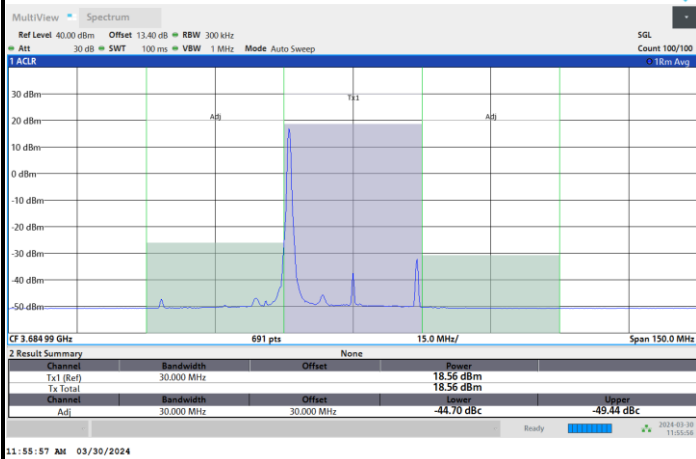




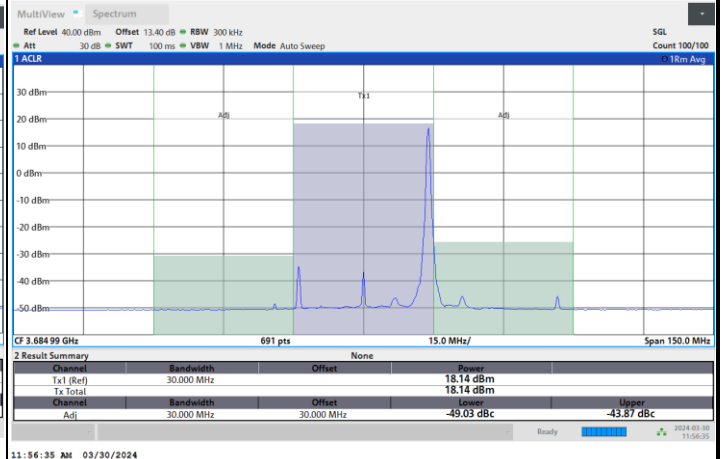
FR1 n48 / 30MHz / CP OFDM / 64QAM

Highest Channel

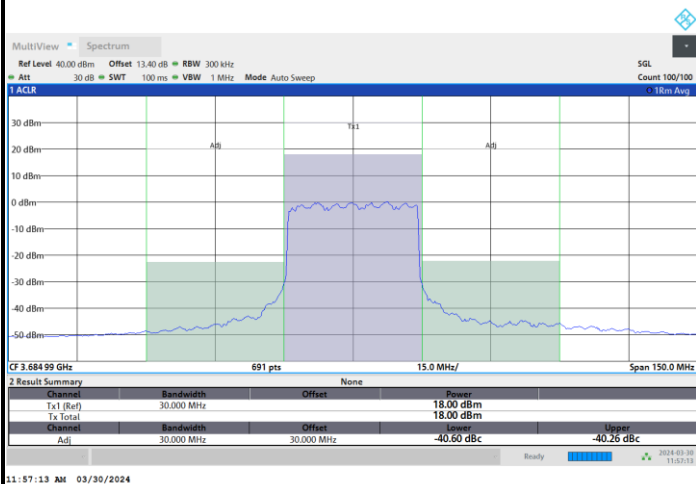
1RB0



1RBmax



Full RB

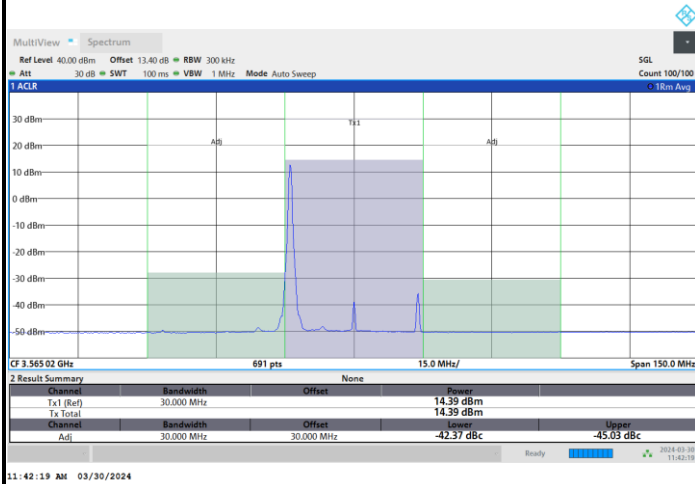




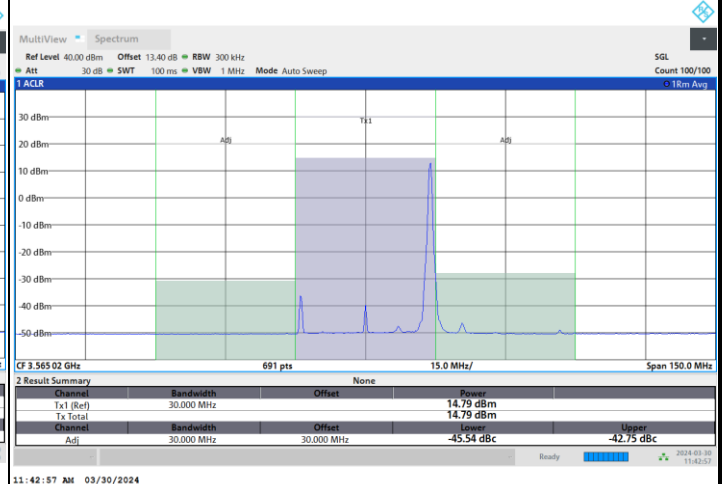
FR1 n48 / 30MHz / CP OFDM / 256QAM

Lowest Channel

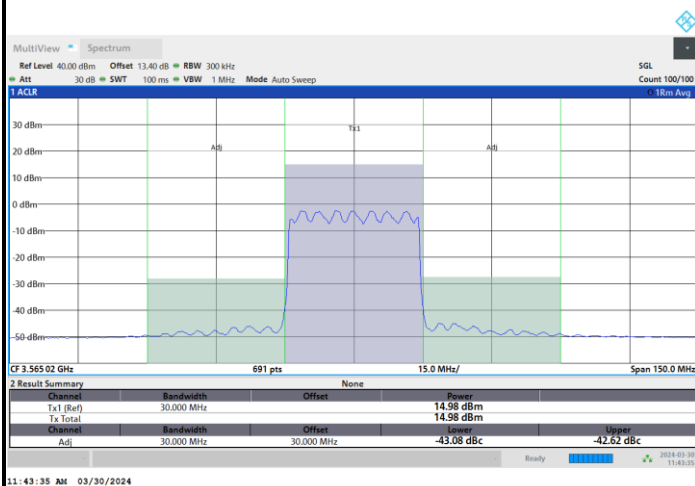
1RB0



1RBmax



Full RB

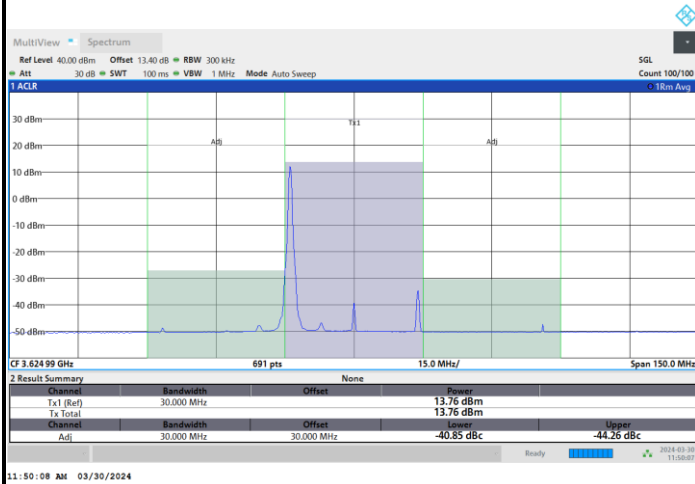




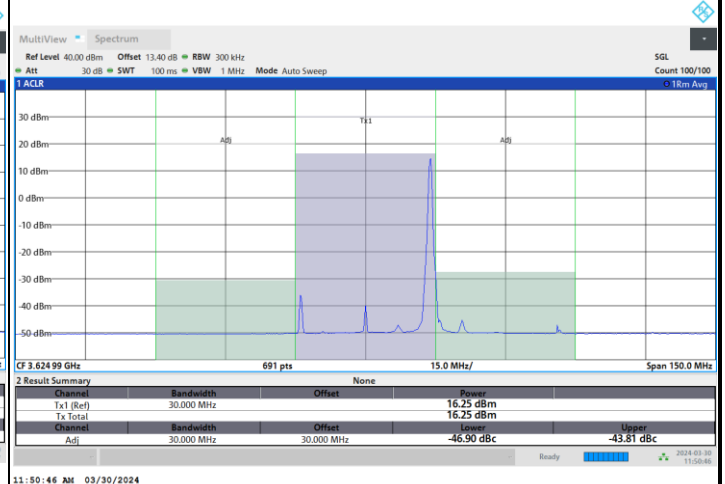
FR1 n48 / 30MHz / CP OFDM / 256QAM

Middle Channel

1RB0



1RBmax



Full RB

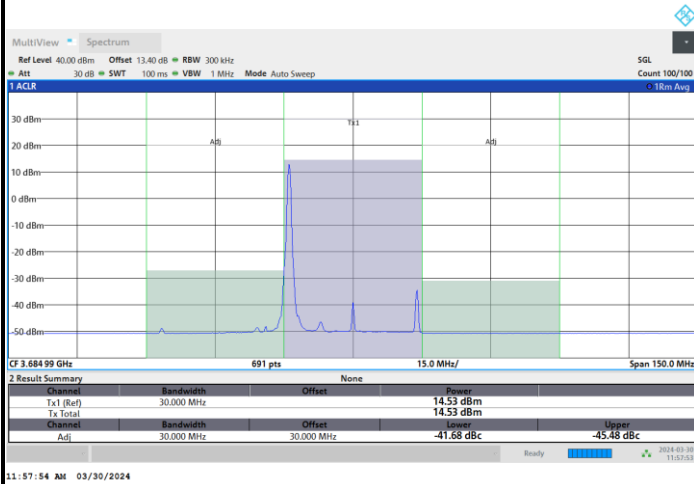




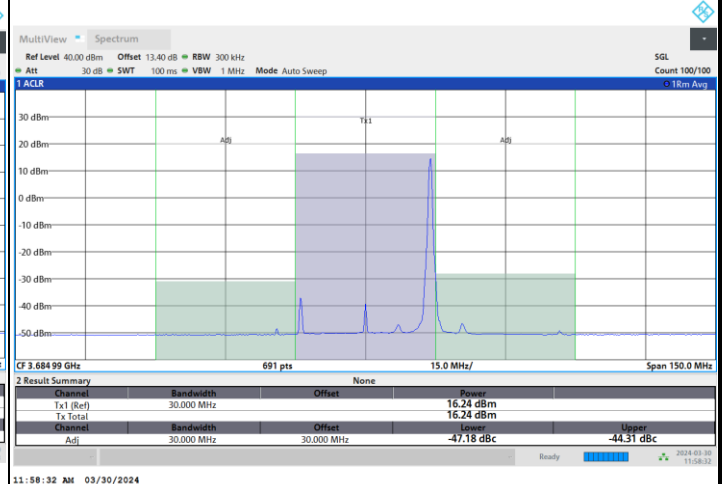
FR1 n48 / 30MHz / CP OFDM / 256QAM

Highest Channel

1RB0



1RBmax



Full RB

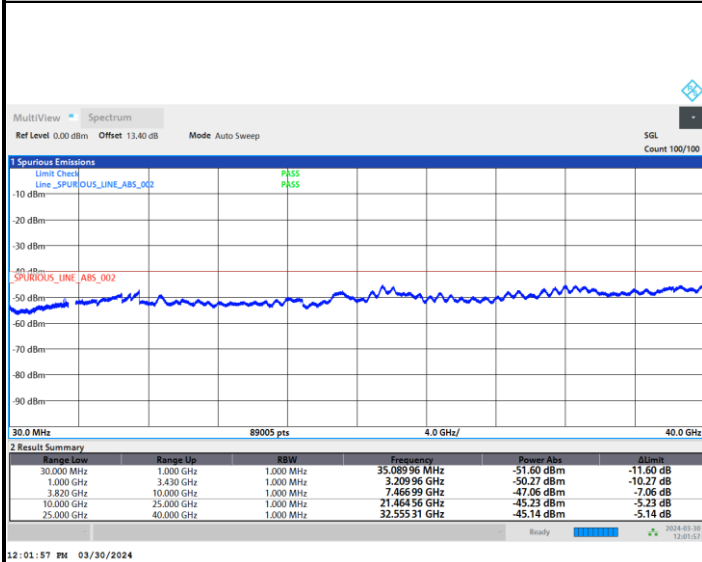




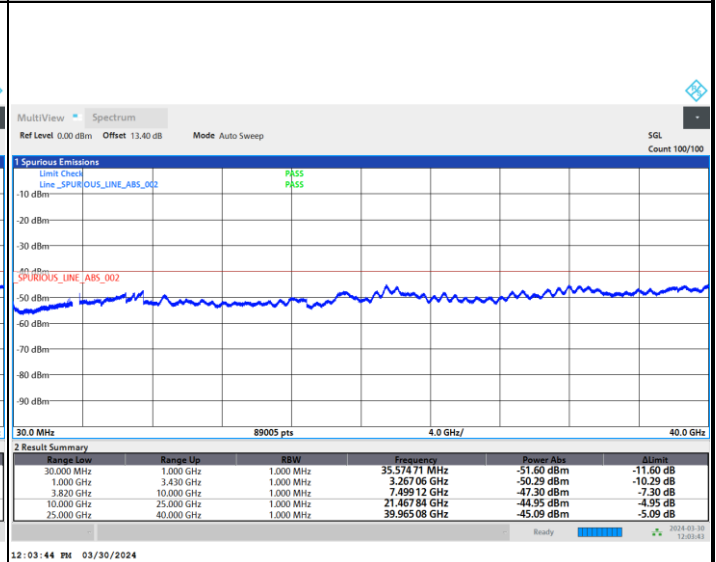
Conducted Spurious Emission

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

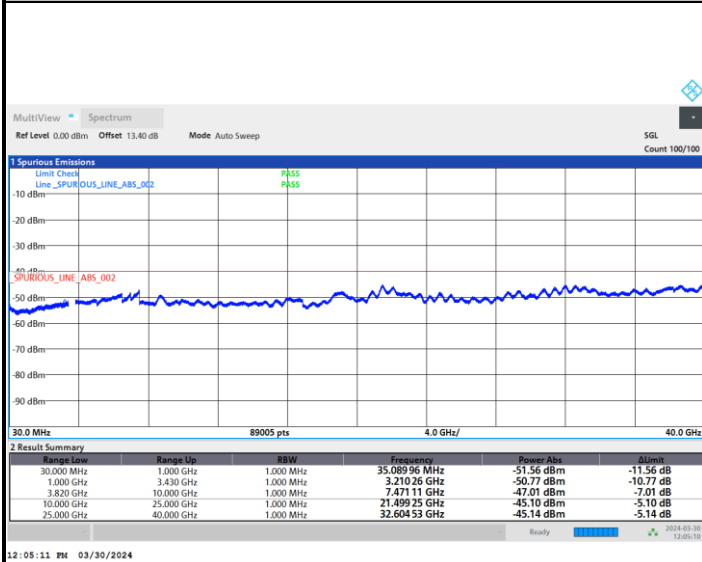
Lowest Channel



Middle Channel



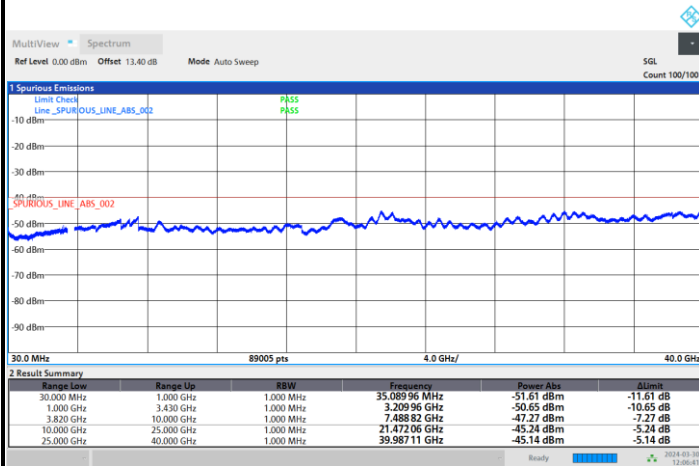
Highest Channel





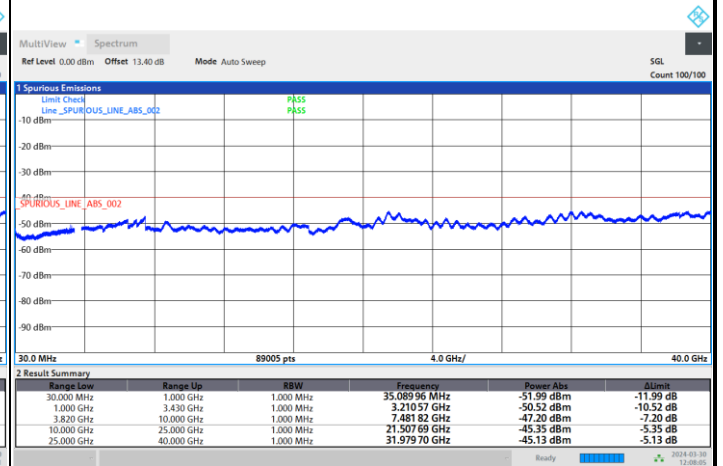
FR1 n48 / 15MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



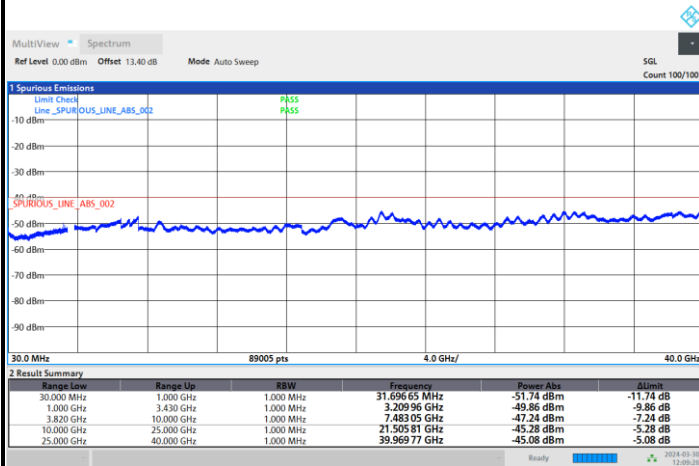
12:06:41 PM 03/30/2024

Middle Channel



12:08:05 PM 03/30/2024

Highest Channel

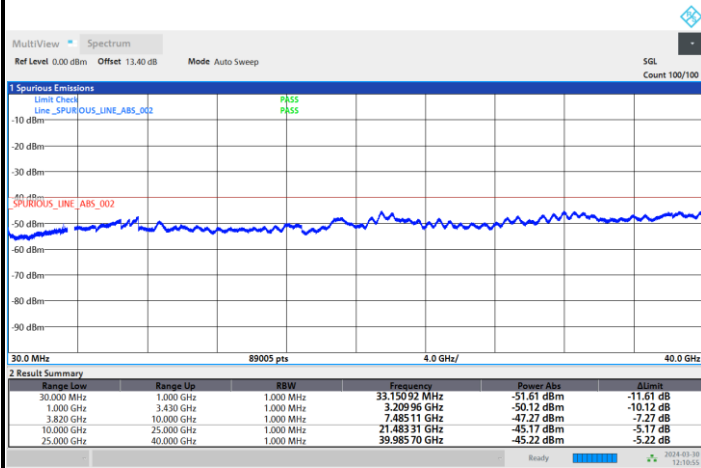


12:09:27 PM 03/30/2024



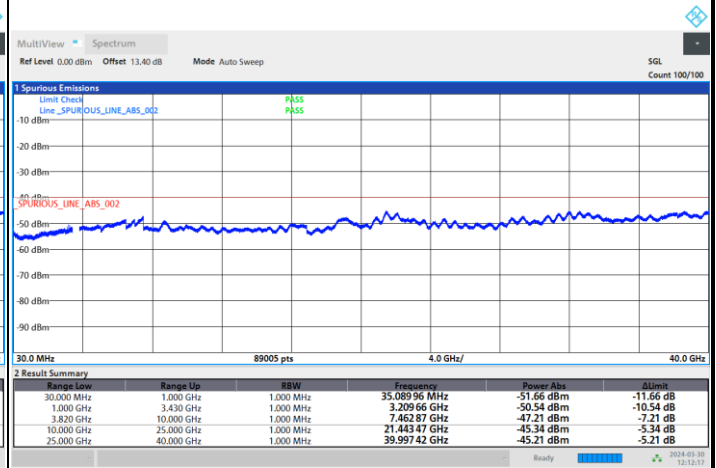
FR1 n48 / 30MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



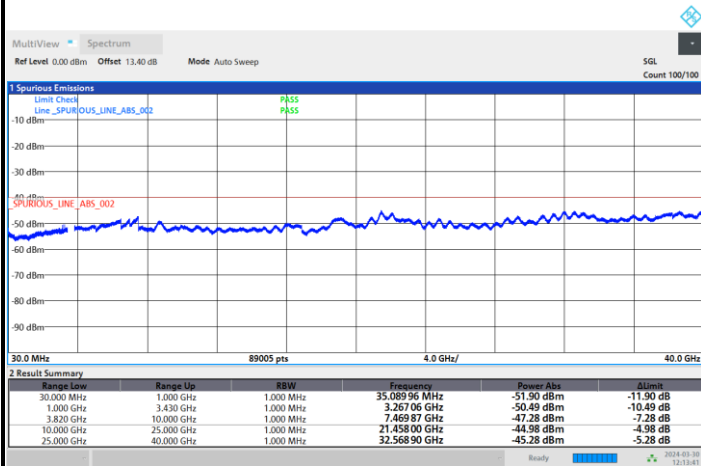
12:10:56 PM 03/30/2024

Middle Channel



12:10:58 PM 03/30/2024

Highest Channel



12:13:41 PM 03/30/2024

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

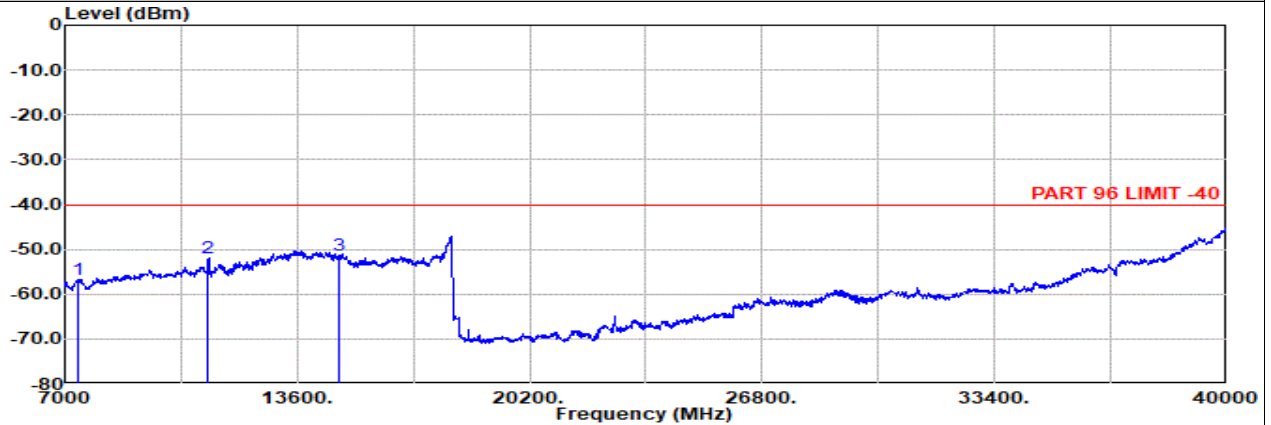


ANT3

Part 96 Mode 1

NR SA n48 10M Ch646332 1RB1 BPSK

H

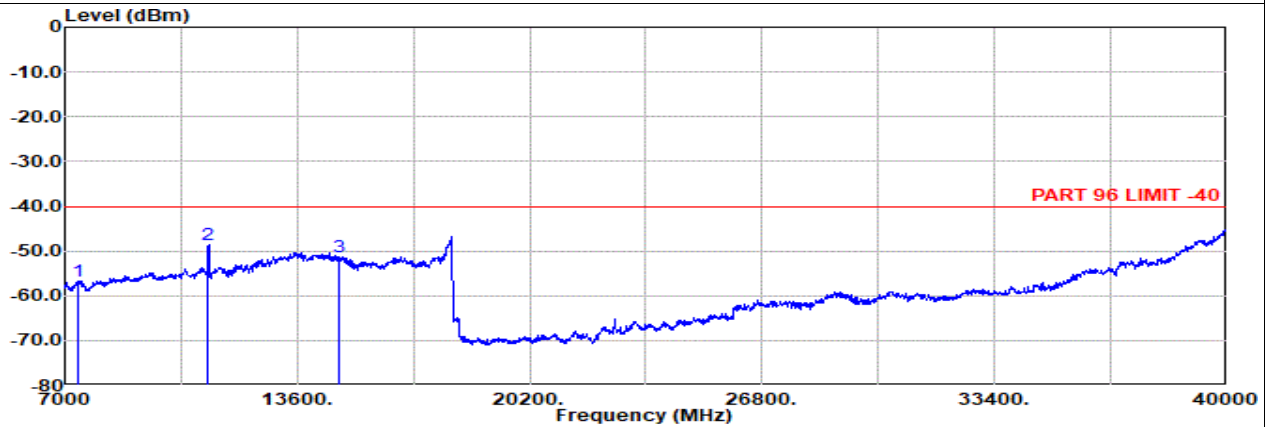


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Horizontal

: SA n48 10M Ch646332 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	EIRPCF		Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		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		Factor	EIRPCF		Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		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		

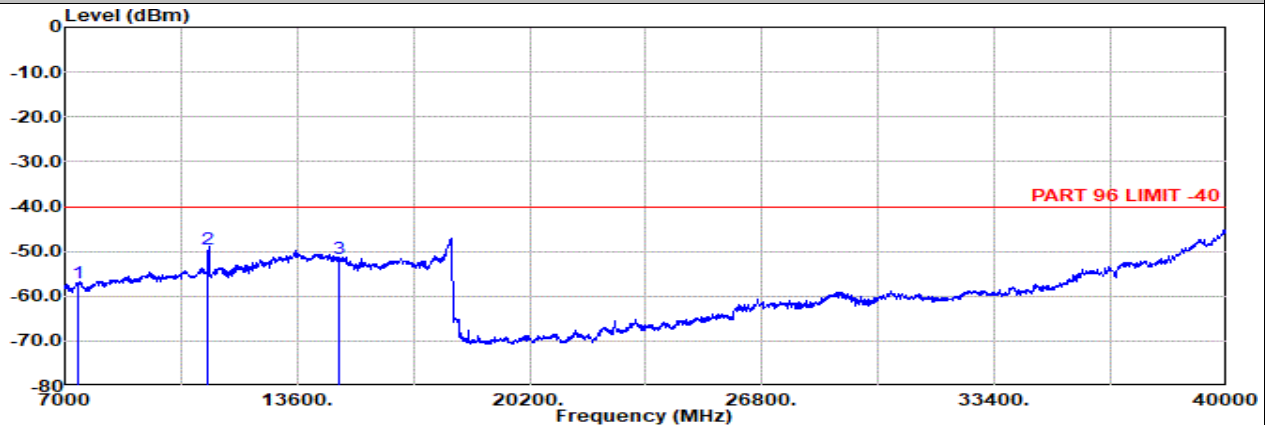


ANT3+1

Part 96 Mode 2

NR SA n48 UL MIMO 10M Ch646332 1RB1 BPSK

H

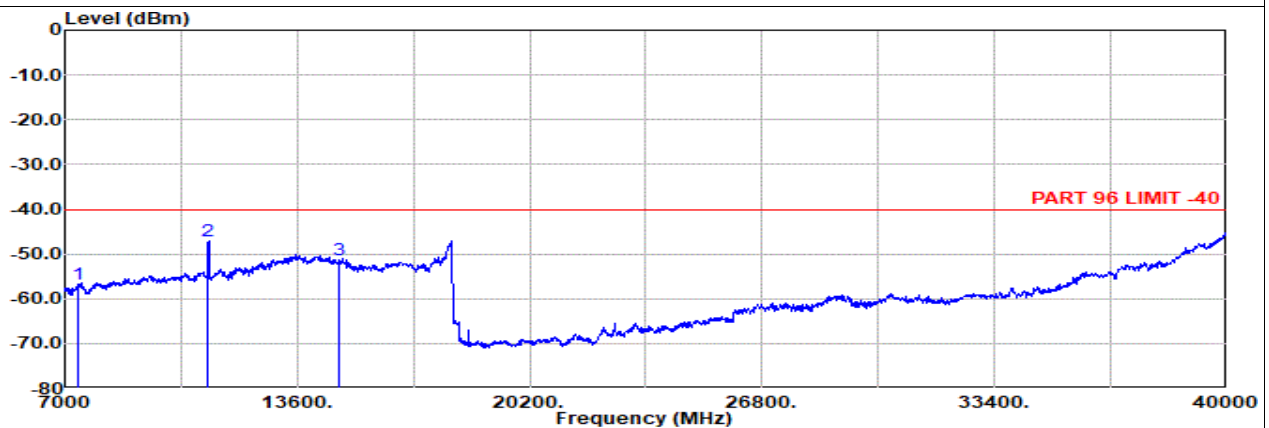


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Horizontal

: SA n48 10M Ch646332 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	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

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	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			

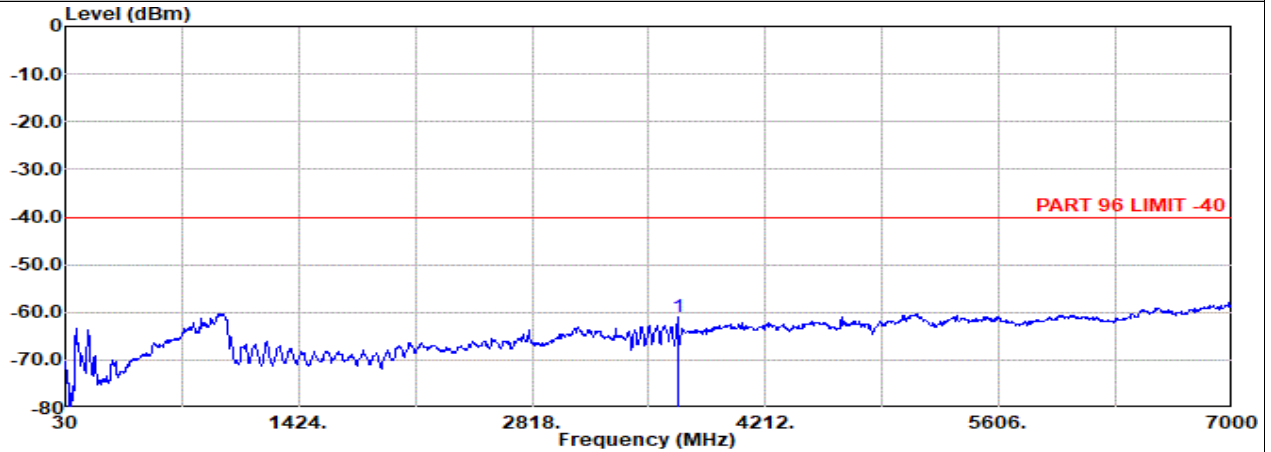


ANT3+1

Part 96 Mode 2 (LF)

NR SA n48 UL MIMO 10M Ch646332 1RB1 BPSK

H

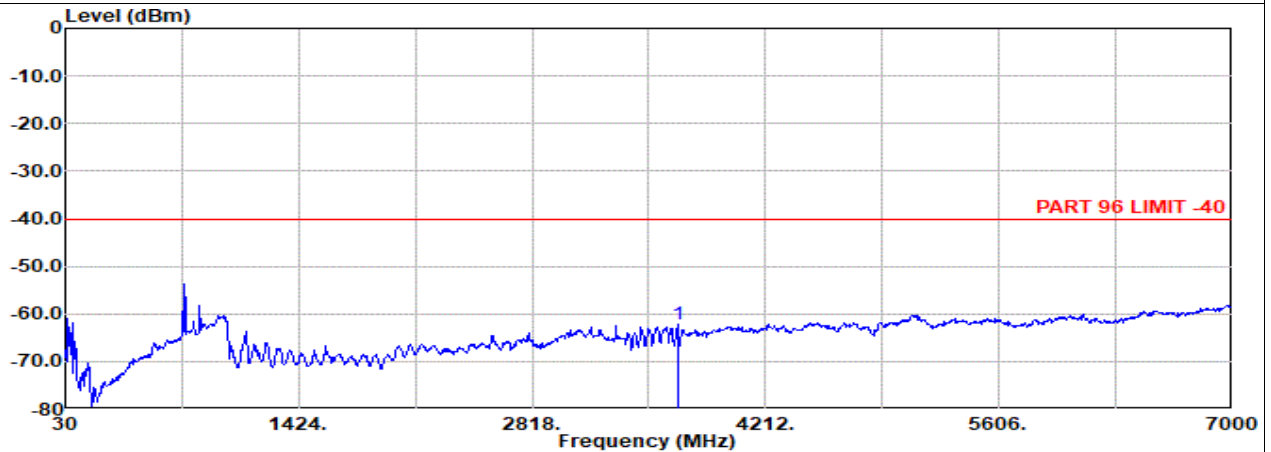


Site : 03CH12-HY

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	Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1		g			
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	Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1		g			
1	3691.00	-62.09	RMS	29.70	-57.29	0.61	-95.23	60.12	-----	----- Vertical