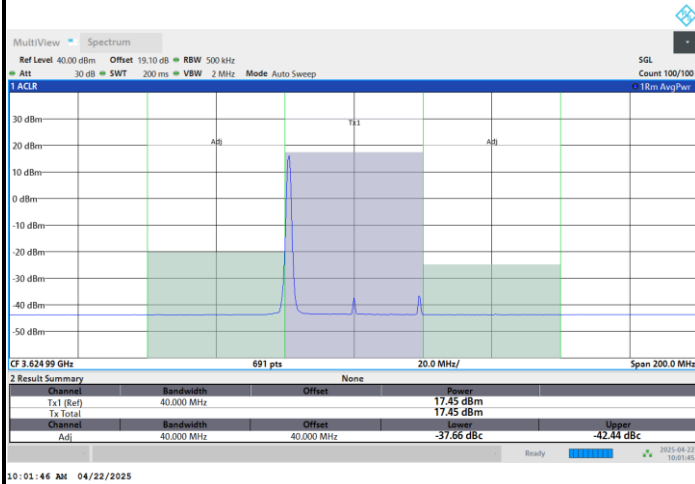




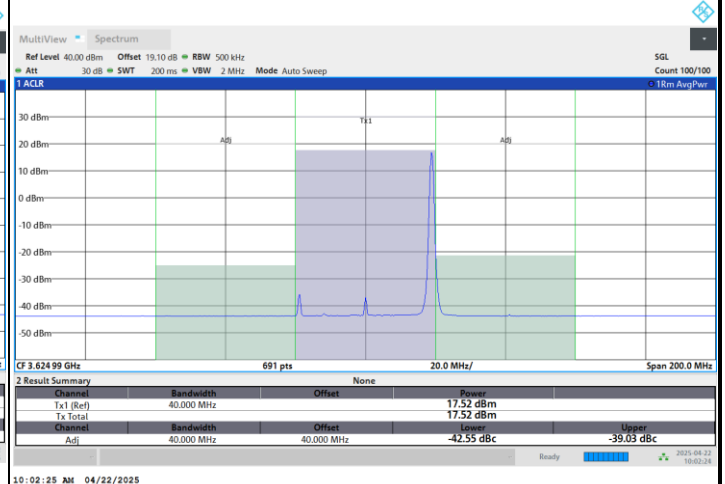
FR1 n48 / 40MHz / CP OFDM / QPSK

Middle Channel

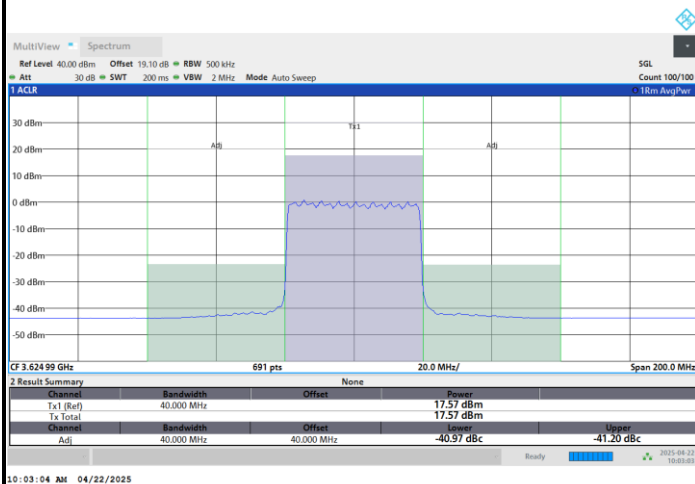
1RB0



1RBmax



Full RB

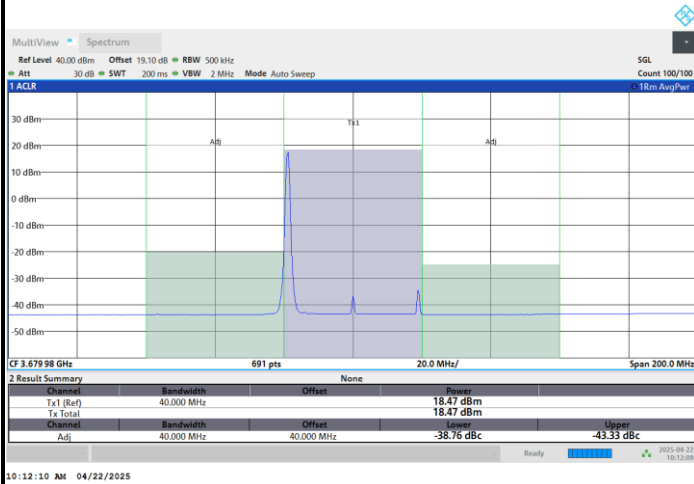




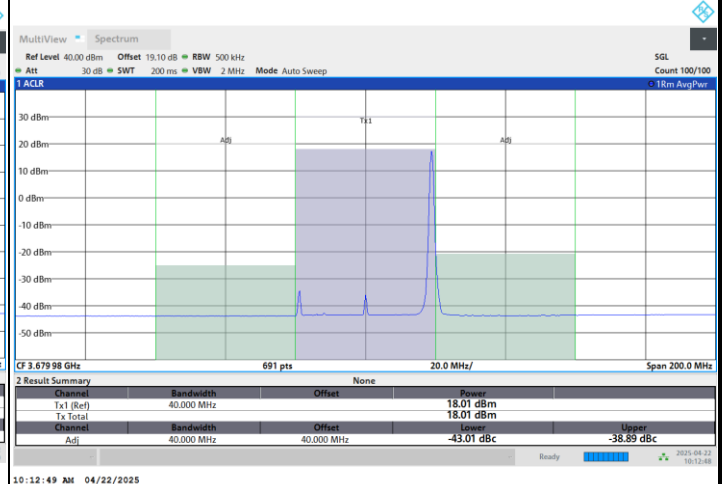
FR1 n48 / 40MHz / CP OFDM / QPSK

Highest Channel

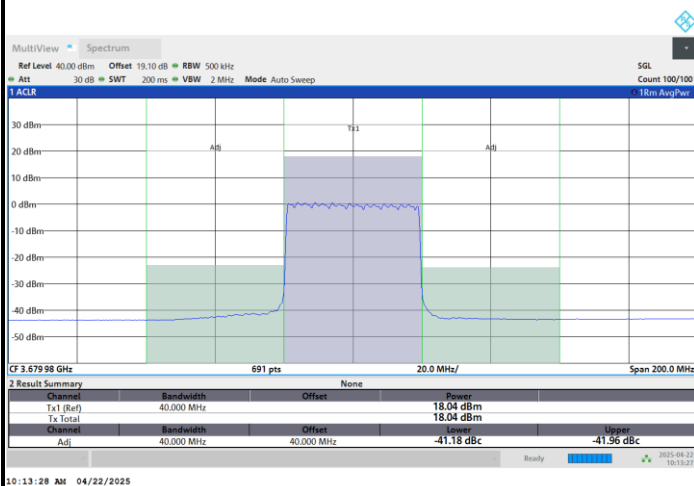
1RB0



1RBmax



Full RB

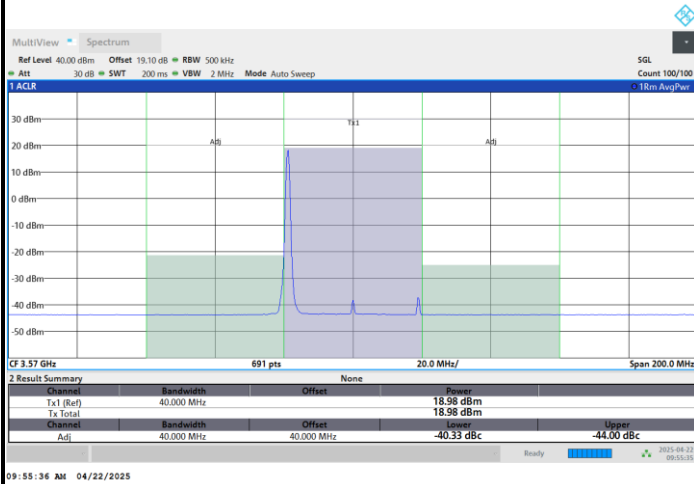




FR1 n48 / 40MHz / CP OFDM / 16QAM

Lowest Channel

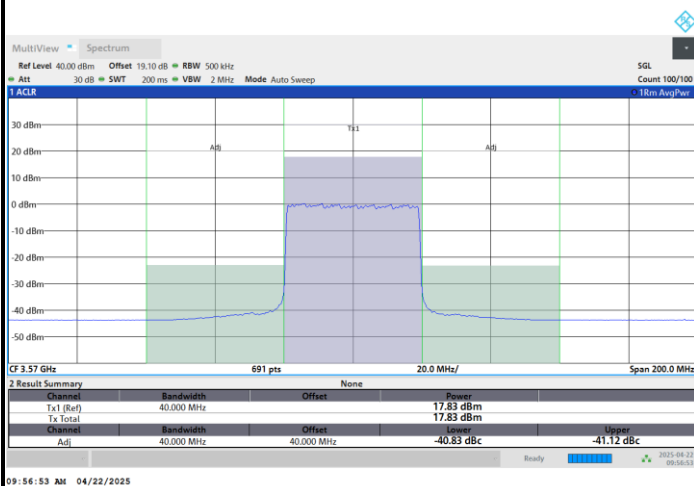
1RB0



1RBmax



Full RB

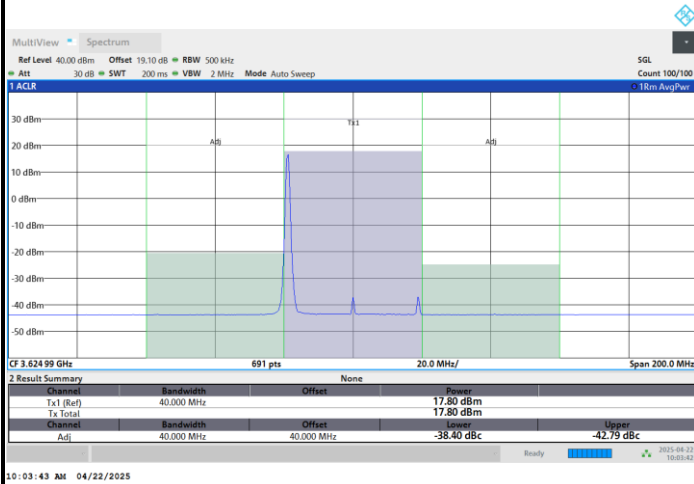




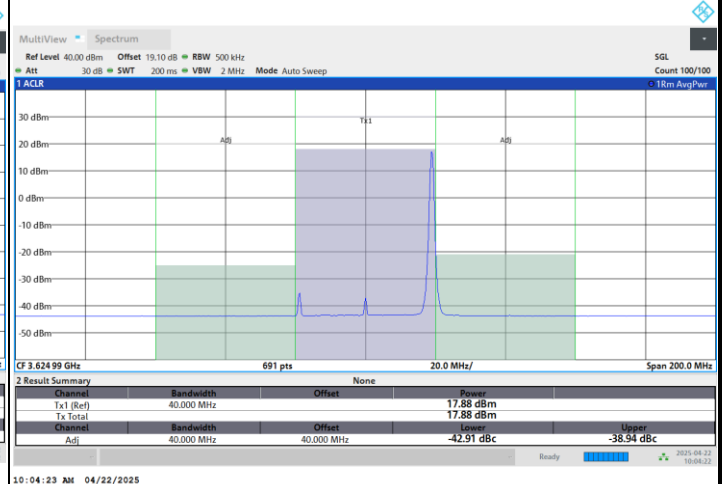
FR1 n48 / 40MHz / CP OFDM / 16QAM

Middle Channel

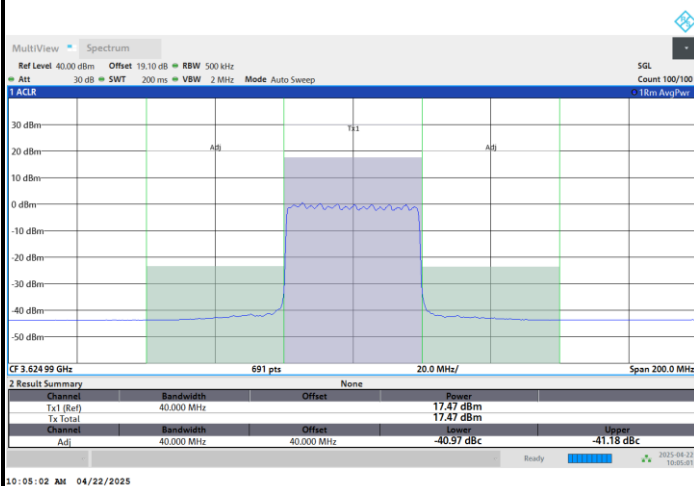
1RB0



1RBmax



Full RB

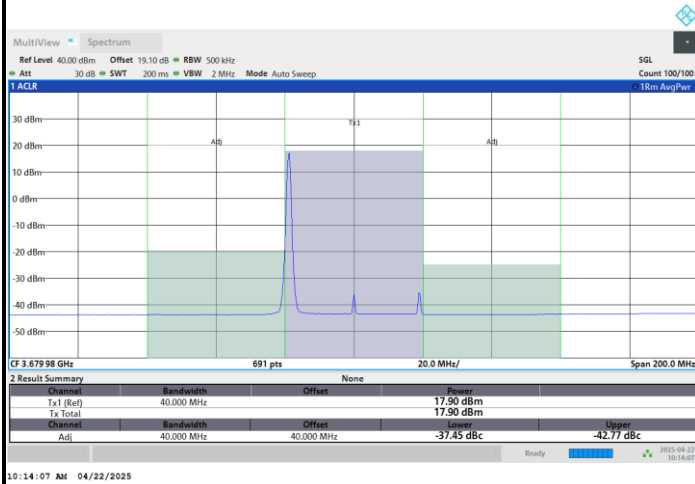




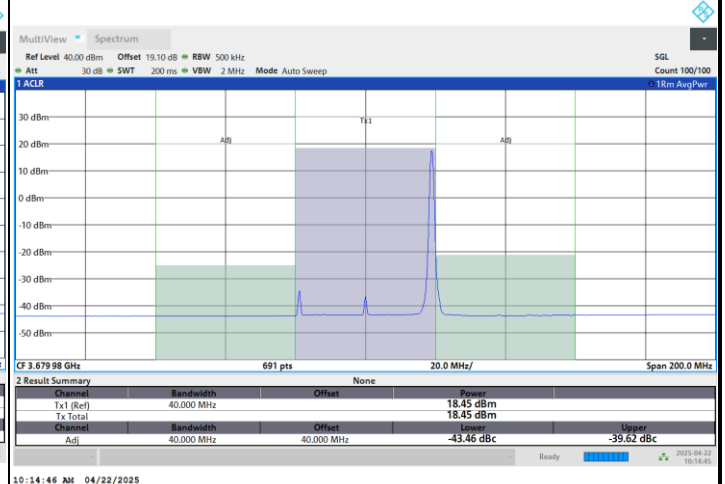
FR1 n48 / 40MHz / CP OFDM / 16QAM

Highest Channel

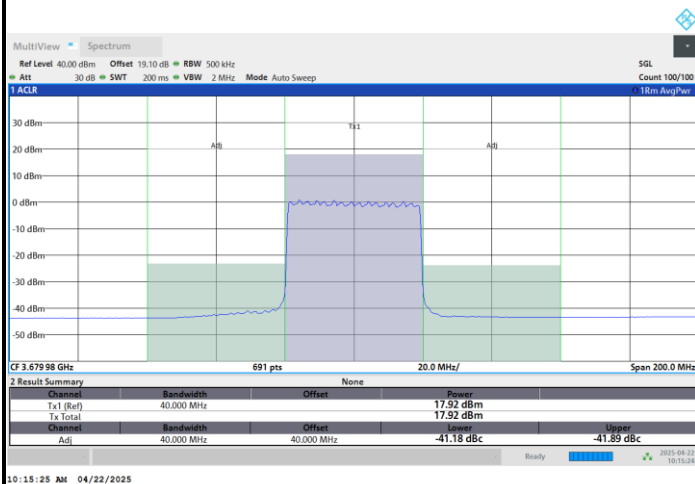
1RB0



1RBmax



Full RB

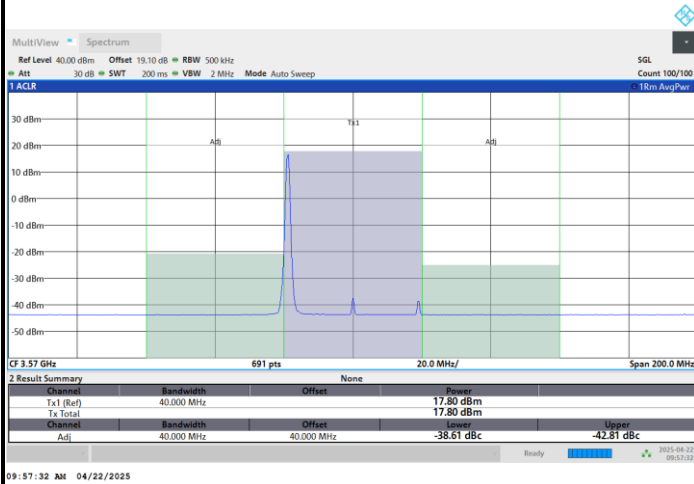




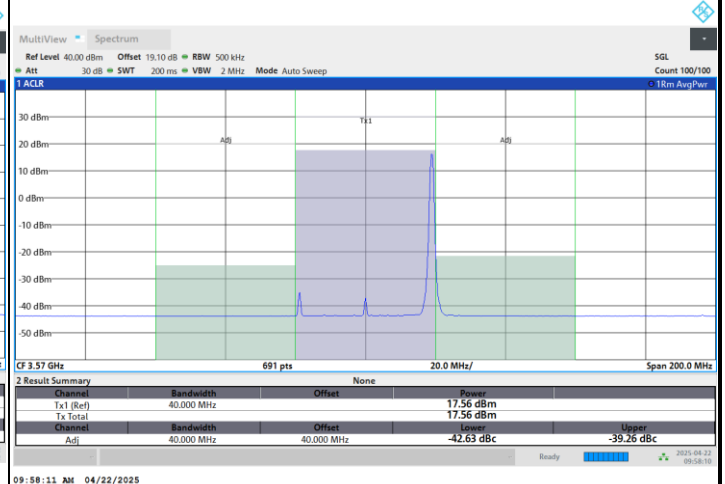
FR1 n48 / 40MHz / CP OFDM / 64QAM

Lowest Channel

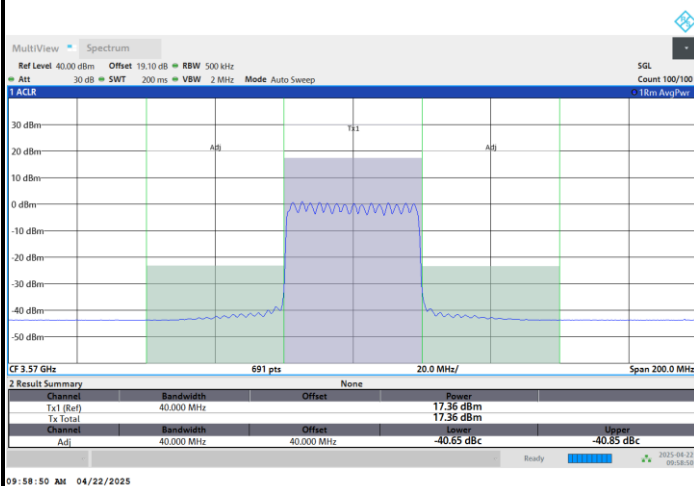
1RB0



1RBmax



Full RB

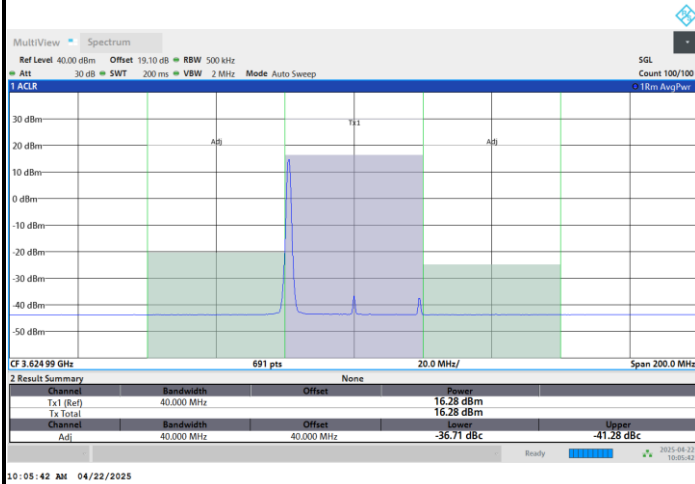




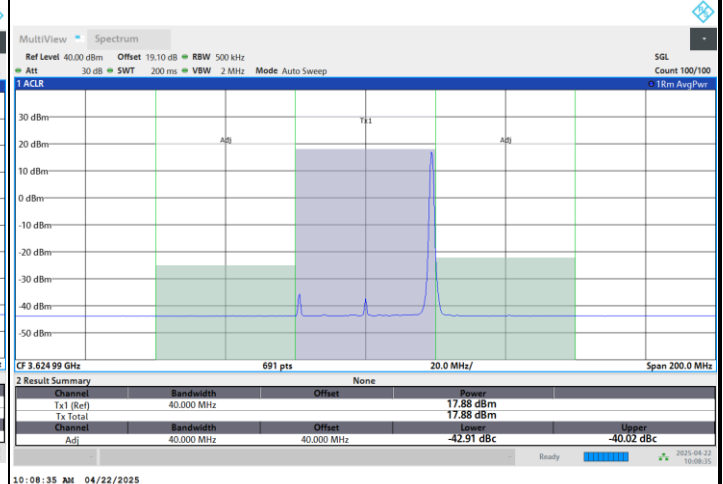
FR1 n48 / 40MHz / CP OFDM / 64QAM

Middle Channel

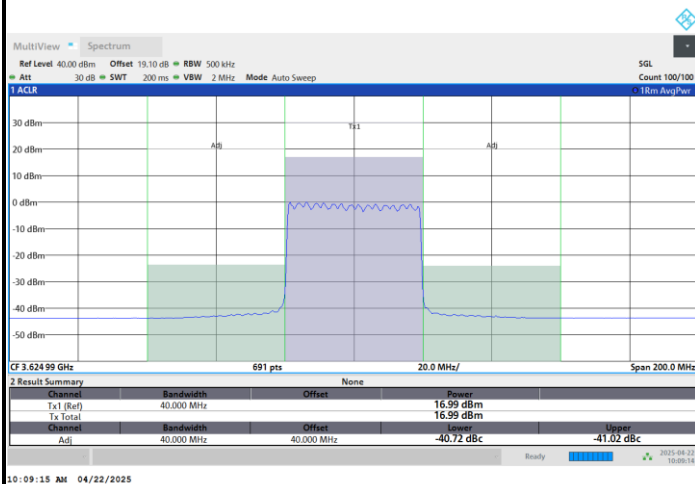
1RB0



1RBmax



Full RB

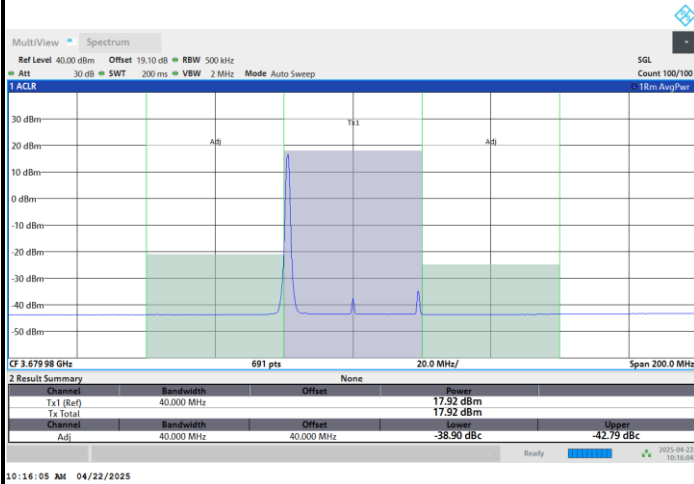




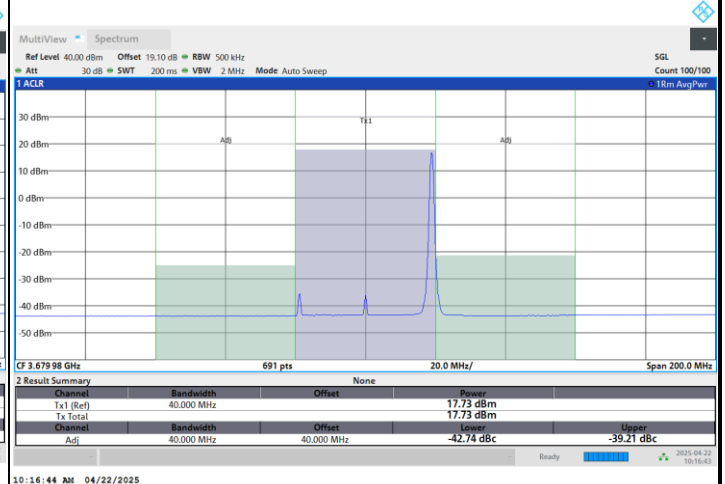
FR1 n48 / 40MHz / CP OFDM / 64QAM

Highest Channel

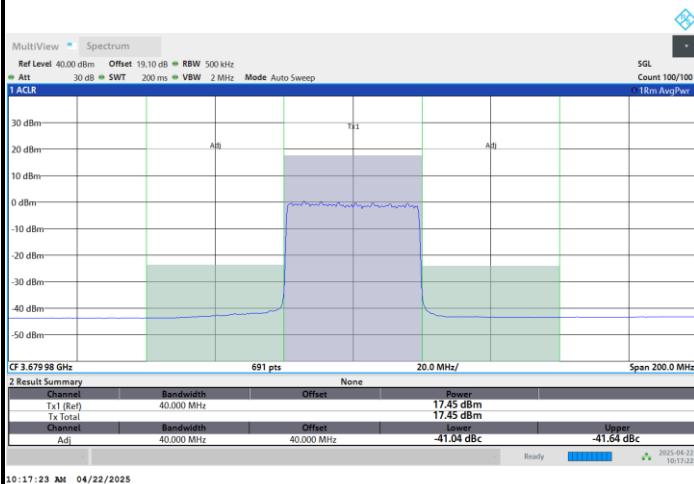
1RB0



1RBmax



Full RB

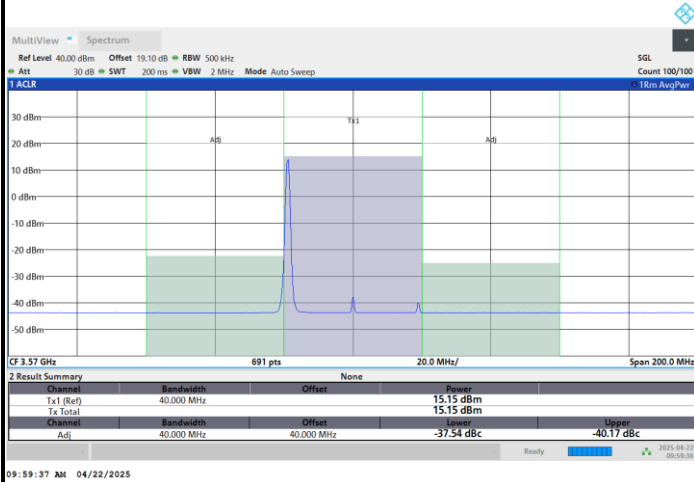




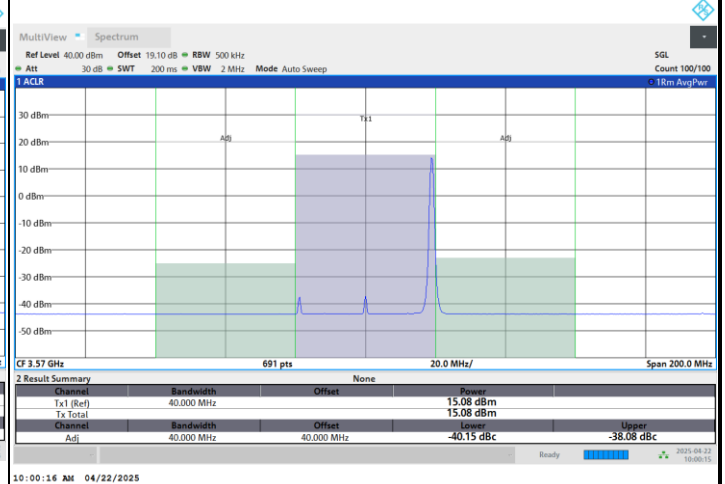
FR1 n48 / 40MHz / CP OFDM / 256QAM

Lowest Channel

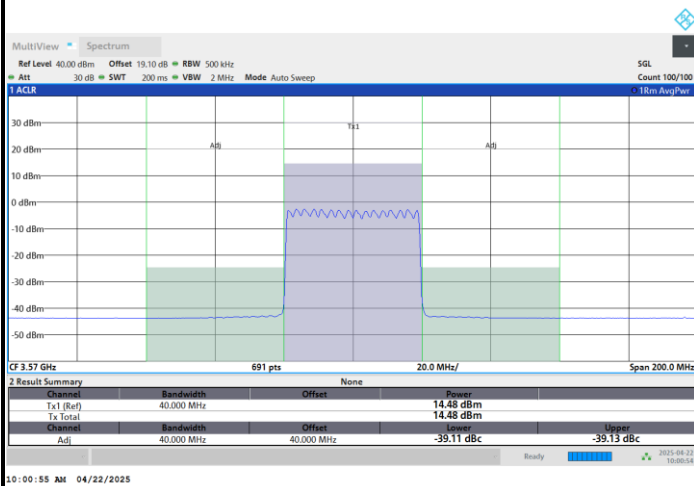
1RB0



1RBmax



Full RB

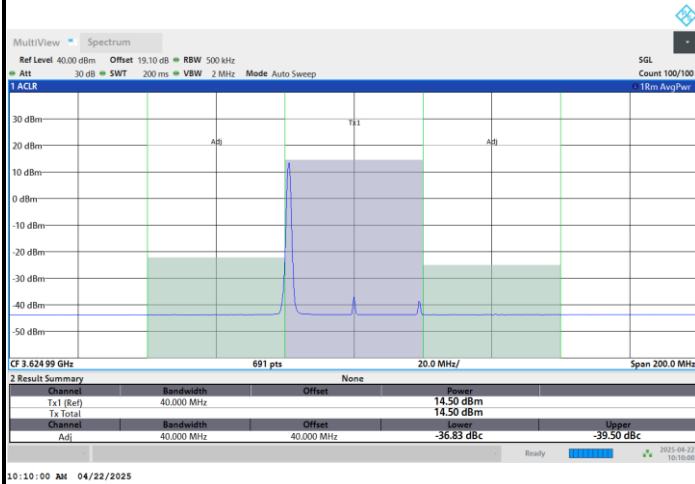




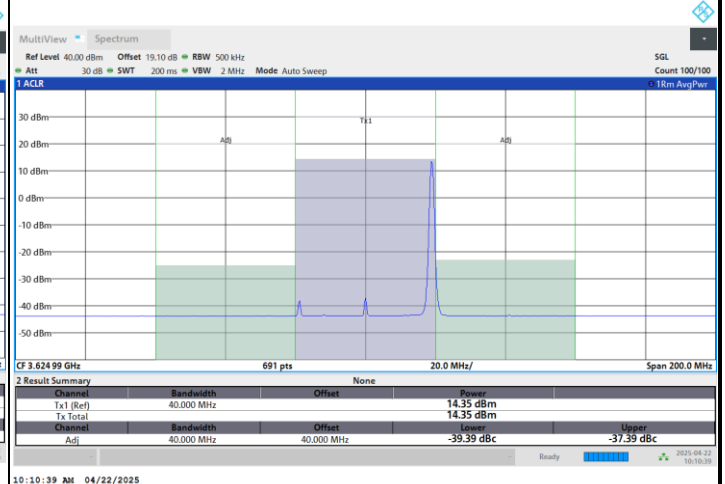
FR1 n48 / 40MHz / CP OFDM / 256QAM

Middle Channel

1RB0



1RBmax



Full RB

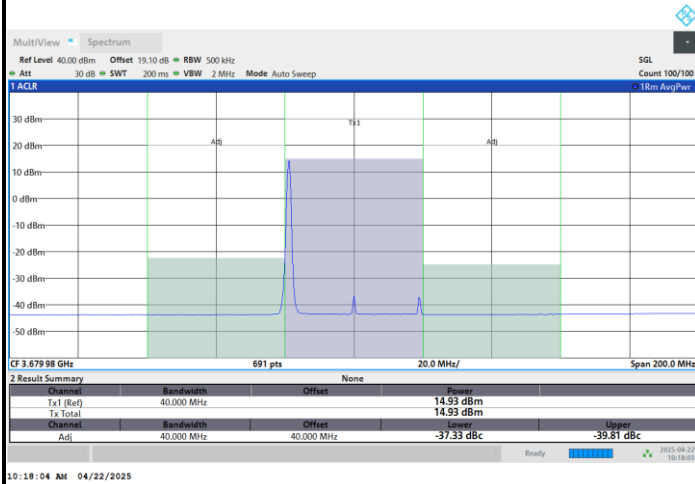




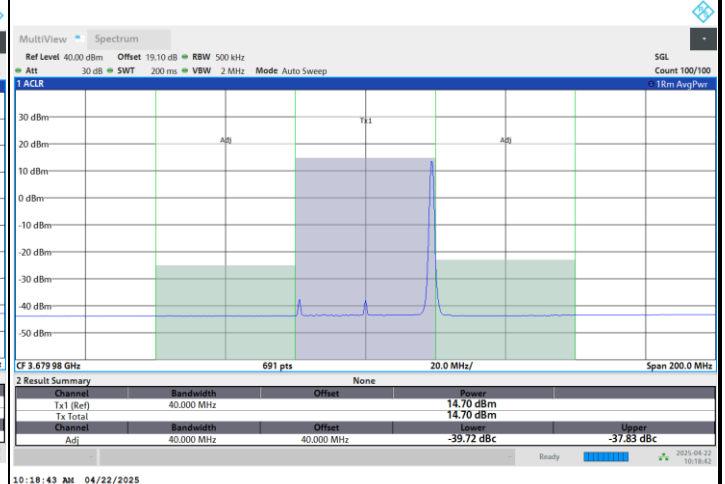
FR1 n48 / 40MHz / CP OFDM / 256QAM

Highest Channel

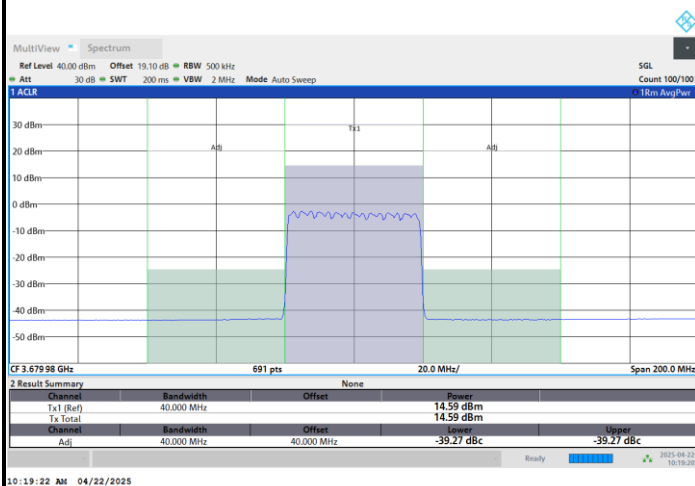
1RB0



1RBmax



Full RB

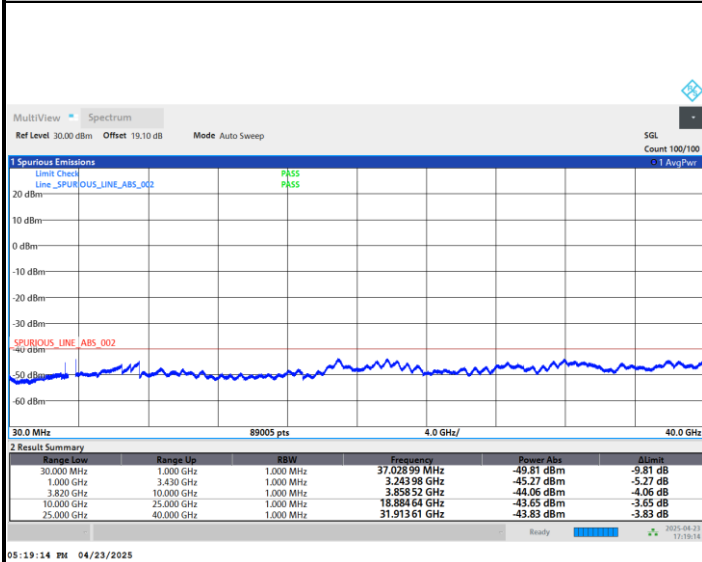




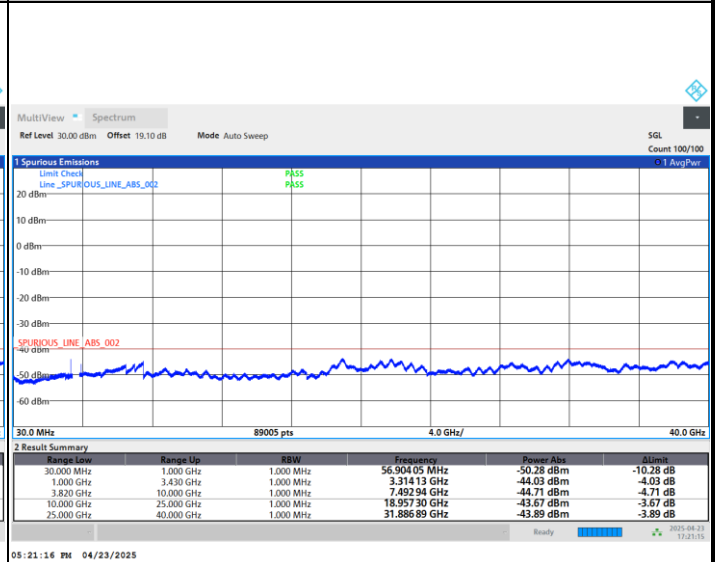
Conducted Spurious Emission

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

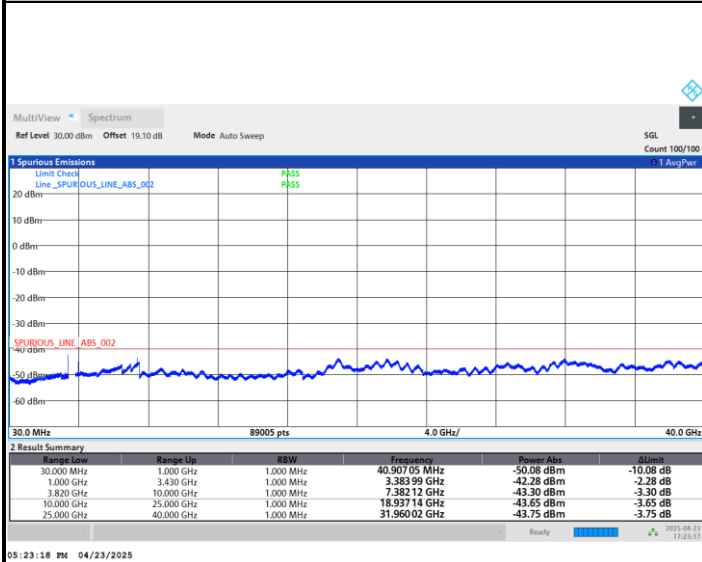
Lowest Channel



Middle Channel



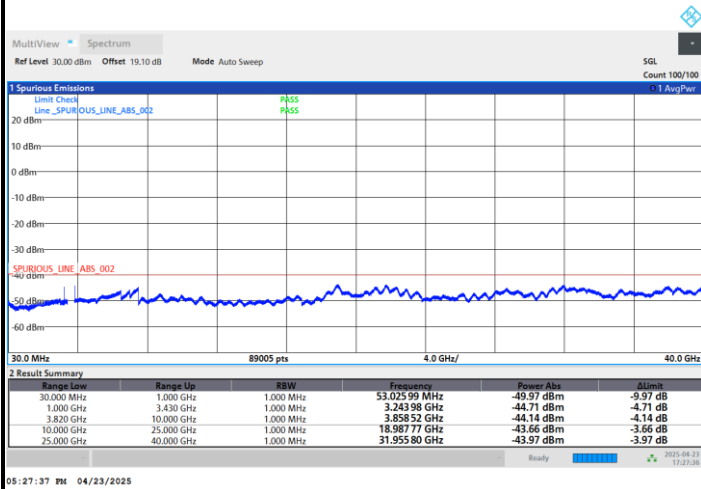
Highest Channel



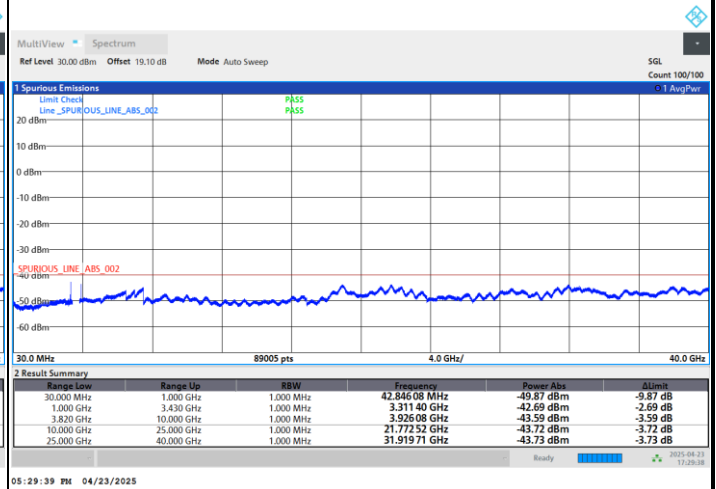


FR1 n48 / 15MHz / CP OFDM / QPSK / 1RB1

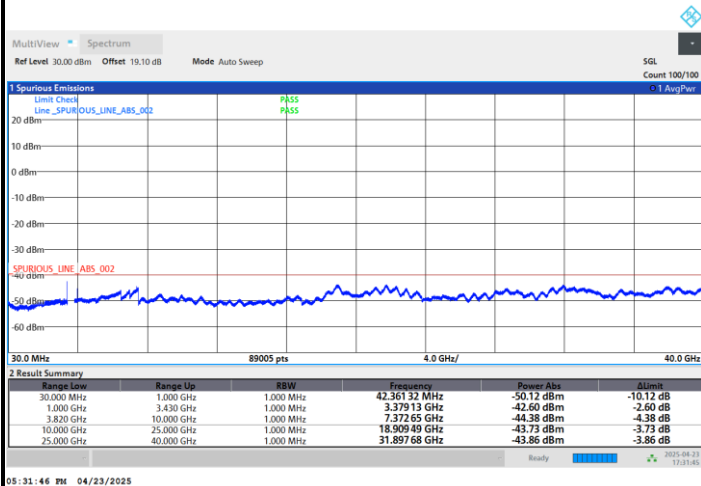
Lowest Channel



Middle Channel



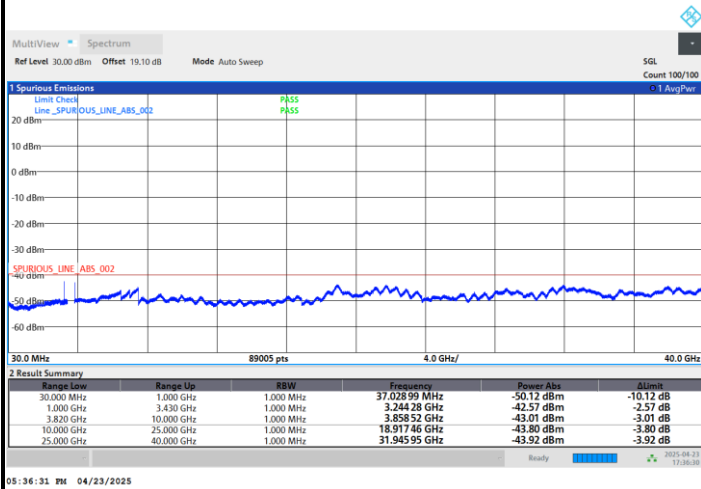
Highest Channel



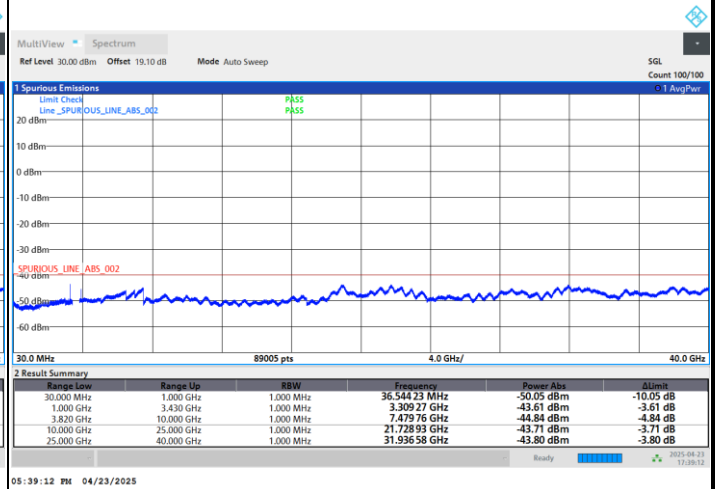


FR1 n48 / 20MHz / CP OFDM / QPSK / 1RB1

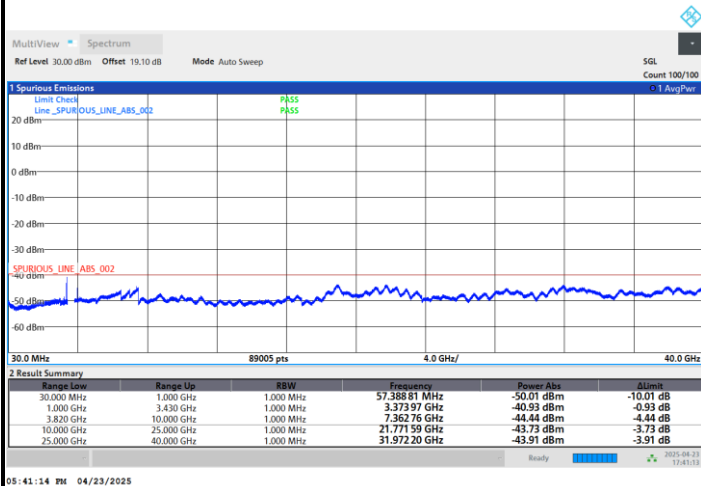
Lowest Channel



Middle Channel



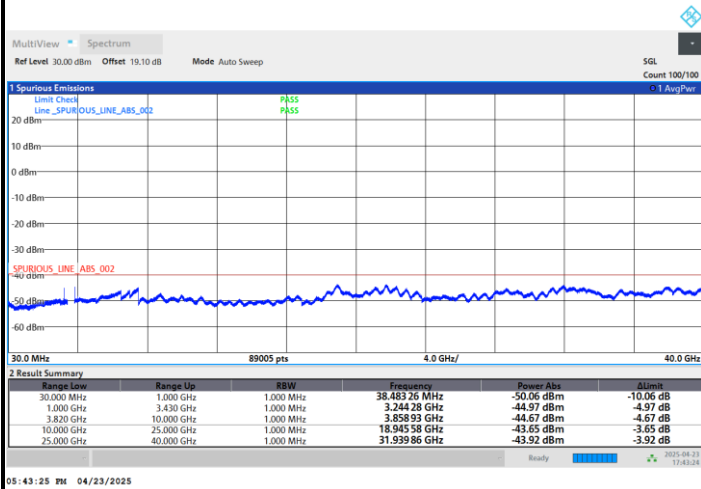
Highest Channel



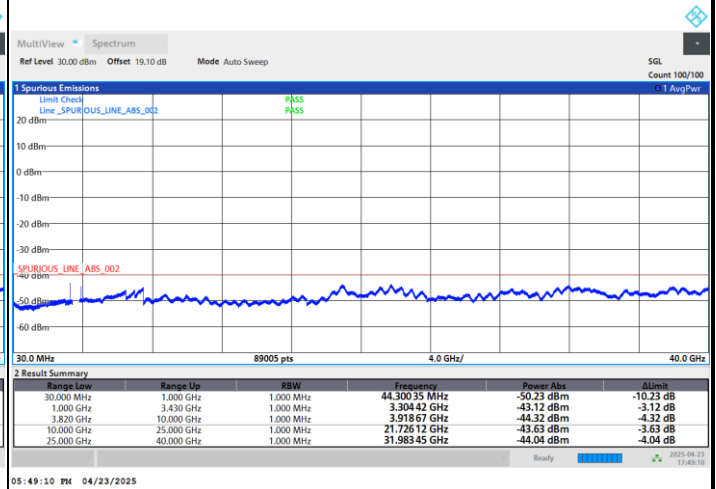


FR1 n48 / 30MHz / CP OFDM / QPSK / 1RB1

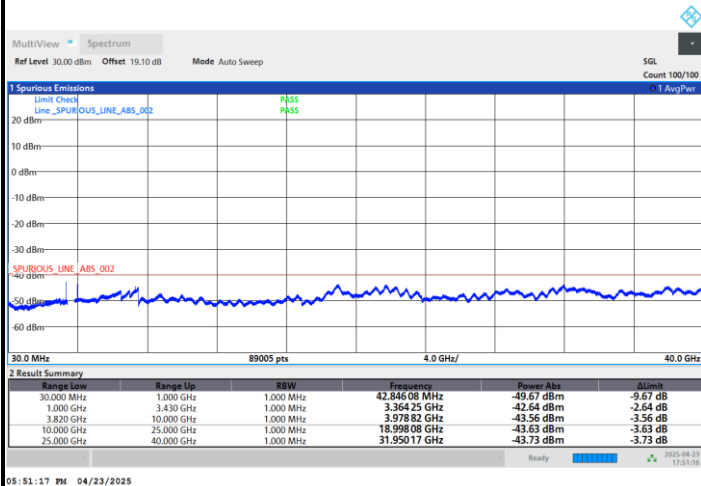
Lowest Channel



Middle Channel



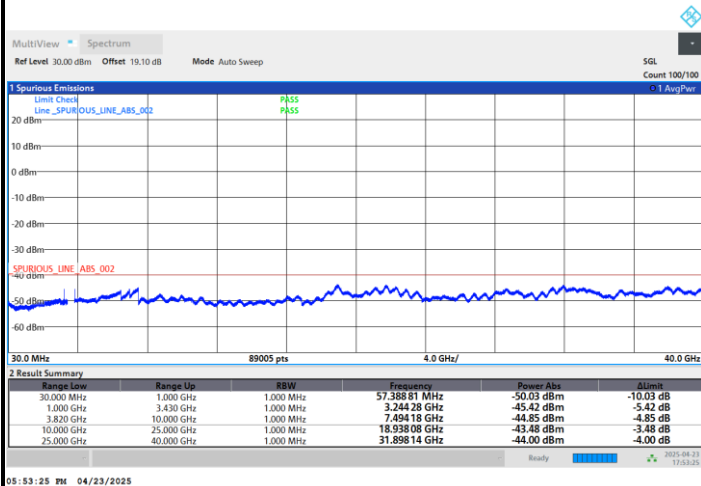
Highest Channel





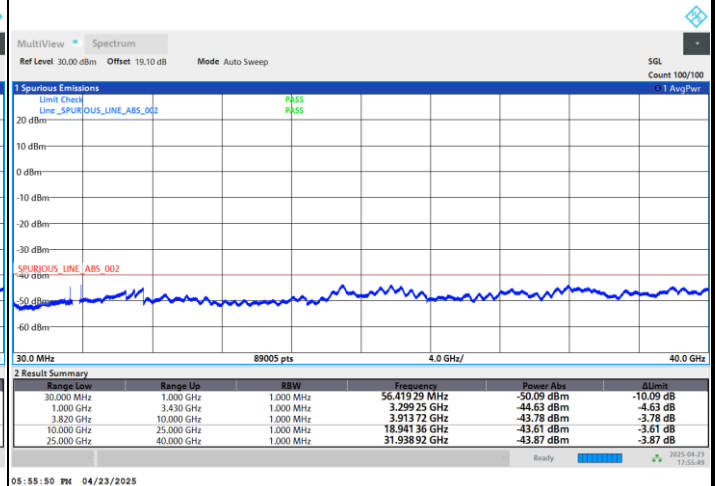
FR1 n48 / 40MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



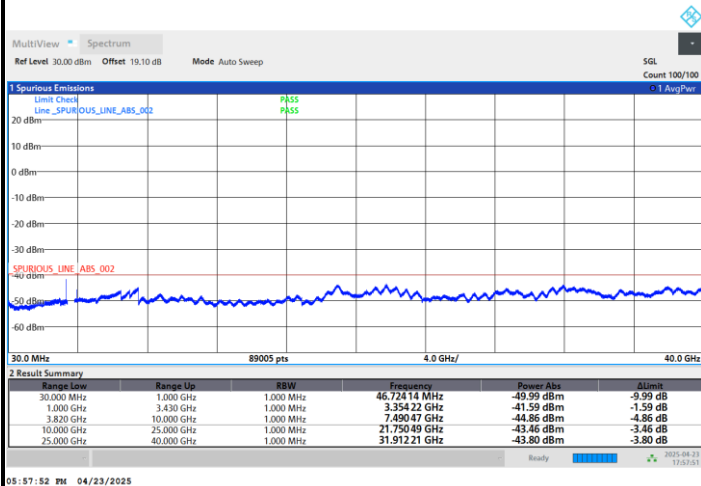
05:53:25 PM 04/23/2025

Middle Channel



05:55:50 PM 04/23/2025

Highest Channel



05:57:52 PM 04/23/2025

Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0093	PASS
40	Normal Voltage	0.0072	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0112	
0	Normal Voltage	0.0116	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0104	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0056	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0063	

Note:

1. Normal Voltage = 3.85 V. ; Minimum Voltage = 3.30 V. ; Maximum Voltage = 4.40 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)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	NR SA n48	M	7242	-41.19	RMS	36.80	-51.15	0.80	-95.23	67.59	-40.00	-1.19	V	5
2	Part 96	NR MIMO n48	M	7232	-45.69	RMS	36.80	-51.14	0.81	-95.23	63.07	-40.00	-5.69	V	5+7

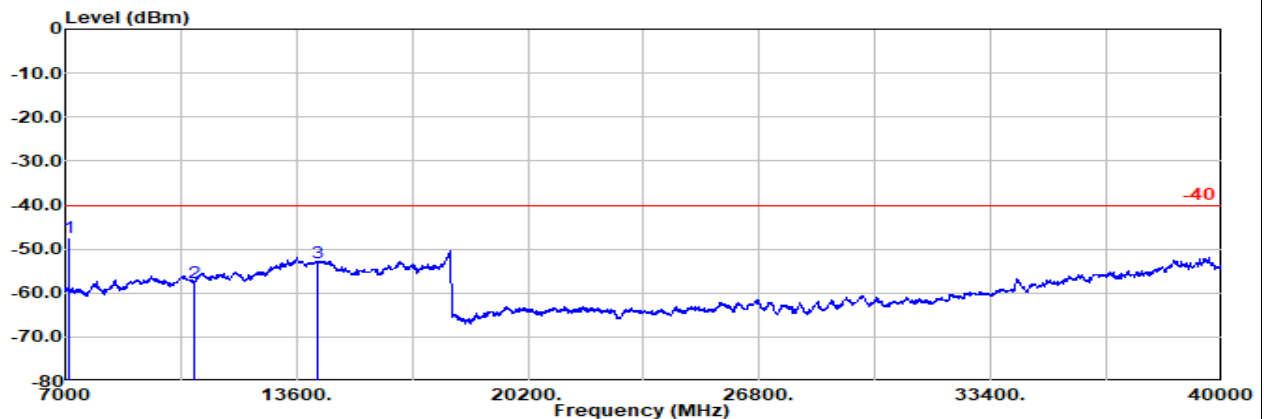


Tx0_ANT 5

Part 96 Mode 1

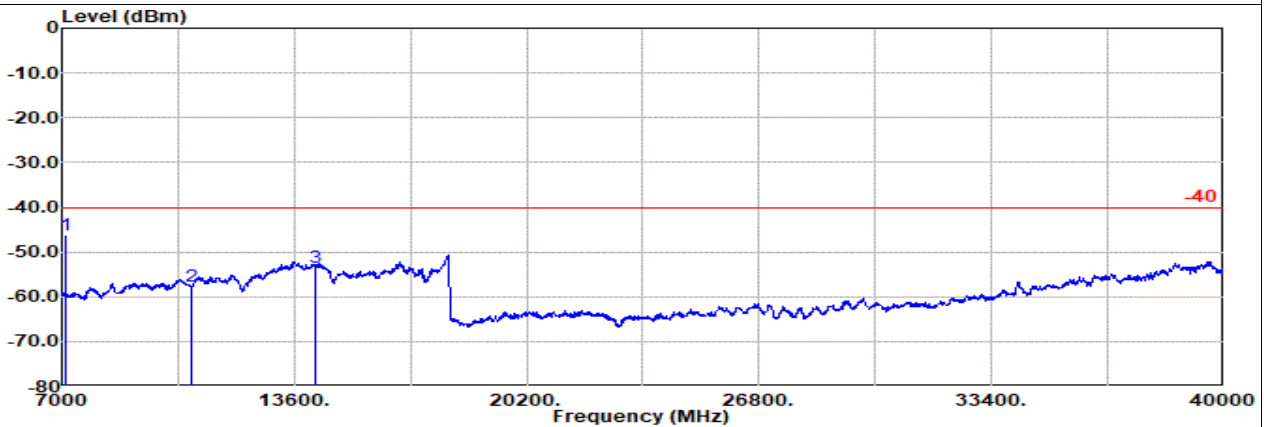
NR SA n48 20M Ch637334 1RB1 BPSK

L



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Horizontal
: 5GNR n48 20M Ch637334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1			g			
1	7110.00	-47.29	RMS	36.26	-51.10	0.98	-95.23	0.00	-40.00	-7.29	Horizontal
2	10665.00	-57.57	RMS	39.07	-49.05	0.33	-95.23	47.31	-40.00	-17.57	Horizontal
3	14220.00	-53.15	RMS	40.46	-44.50	0.36	-95.23	45.76	-40.00	-13.15	Horizontal



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Vertical
: 5GNR n48 20M Ch637334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1			g			
1	7110.00	-46.18	RMS	36.26	-51.10	0.98	-95.23	62.91	-40.00	-6.18	Vertical
2	10665.00	-57.77	RMS	39.07	-49.05	0.33	-95.23	47.11	-40.00	-17.77	Vertical
3	14220.00	-53.30	RMS	40.46	-44.50	0.36	-95.23	45.61	-40.00	-13.30	Vertical

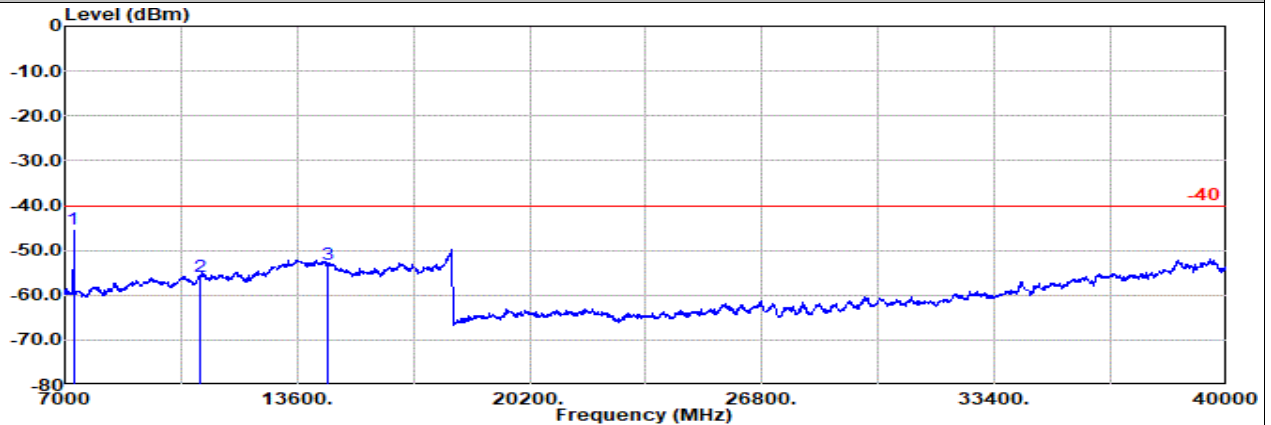


Tx0_ANT 5

Part 96 Mode 1

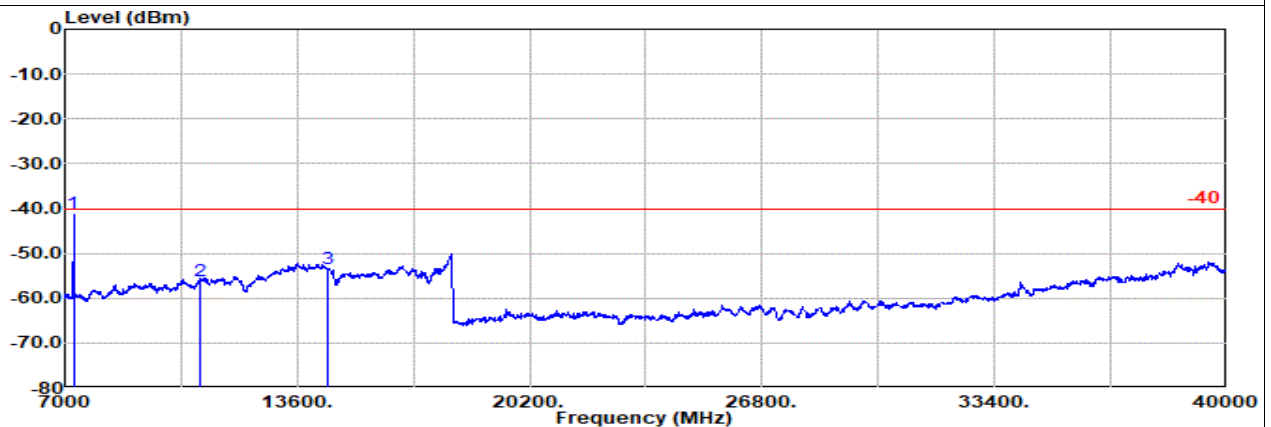
NR SA n48 20M Ch641666 1RB1 BPSK

M



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Horizontal
: 5GNR n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7242.00	-45.23	RMS	36.80	-51.15	0.80	-95.23	63.55	-40.00	-5.23	Horizontal
2	10861.00	-55.87	RMS	38.98	-48.73	0.34	-95.23	48.77	-40.00	-15.87	Horizontal
3	14480.00	-53.24	RMS	40.32	-44.14	0.36	-95.23	45.45	-40.00	-13.24	Horizontal



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Vertical
: 5GNR n48 20M Ch637334 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7242.00	-41.19	RMS	36.80	-51.15	0.80	-95.23	67.59	-40.00	-1.19	Vertical
2	10861.00	-56.13	RMS	38.98	-48.73	0.34	-95.23	48.51	-40.00	-16.13	Vertical
3	14480.00	-53.57	RMS	40.32	-44.14	0.36	-95.23	45.12	-40.00	-13.57	Vertical

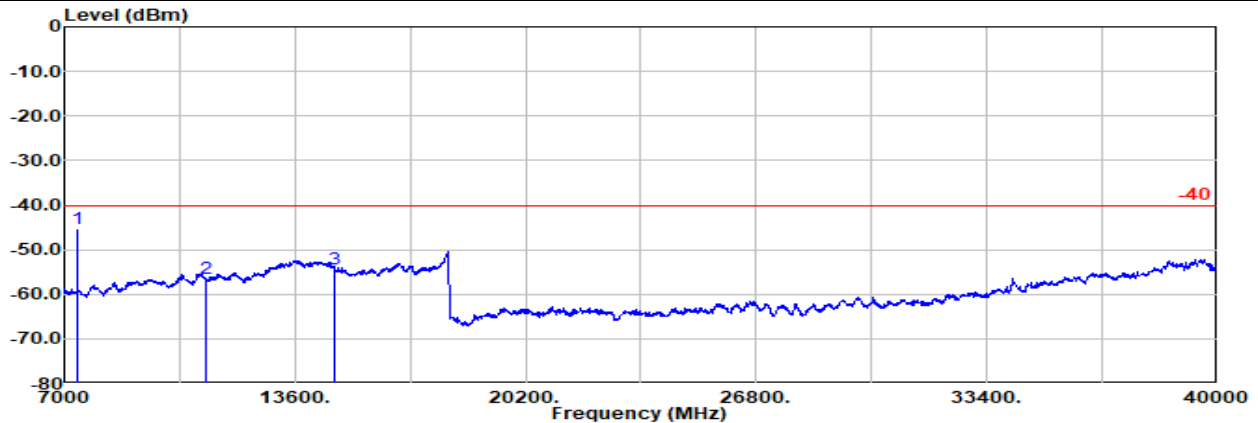


Tx0_ANT 5

Part 96 Mode 1

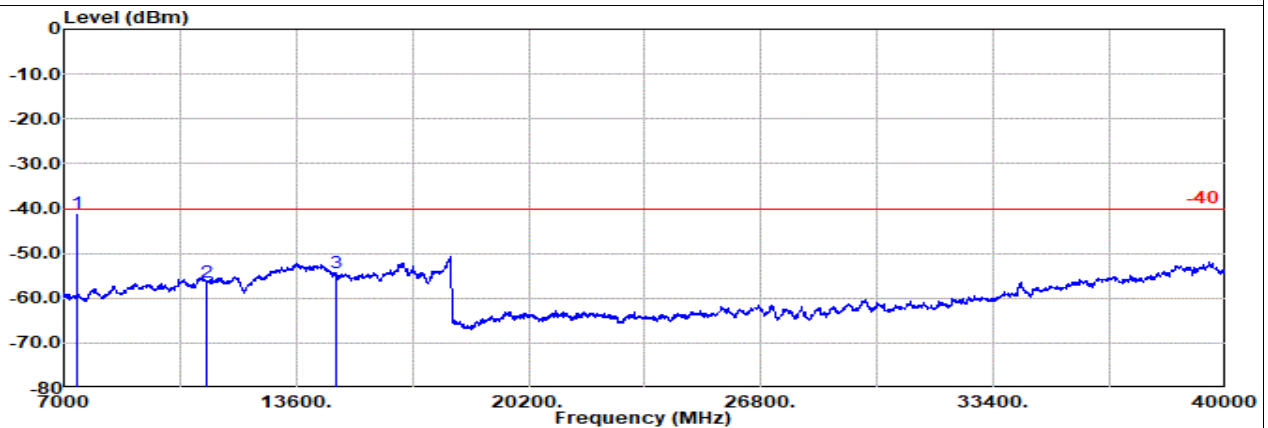
NR SA n48 20M Ch646000 1RB1 BPSK

H



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Horizontal
: 5GNR n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7363.00	-45.42	RMS	36.62	-51.20	0.69	-95.23	63.70	-40.00	-5.42 Horizontal
2	11048.00	-56.58	RMS	38.60	-48.40	0.35	-95.23	48.10	-40.00	-16.58 Horizontal
3	14733.00	-54.49	RMS	40.00	-44.30	0.35	-95.23	44.69	-40.00	-14.49 Horizontal



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Vertical
: 5GNR n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7363.00	-41.05	RMS	36.62	-51.20	0.69	-95.23	68.07	-40.00	-1.05 Vertical
2	11048.00	-56.39	RMS	38.60	-48.40	0.35	-95.23	48.29	-40.00	-16.39 Vertical
3	14733.00	-54.33	RMS	40.00	-44.30	0.35	-95.23	44.85	-40.00	-14.33 Vertical

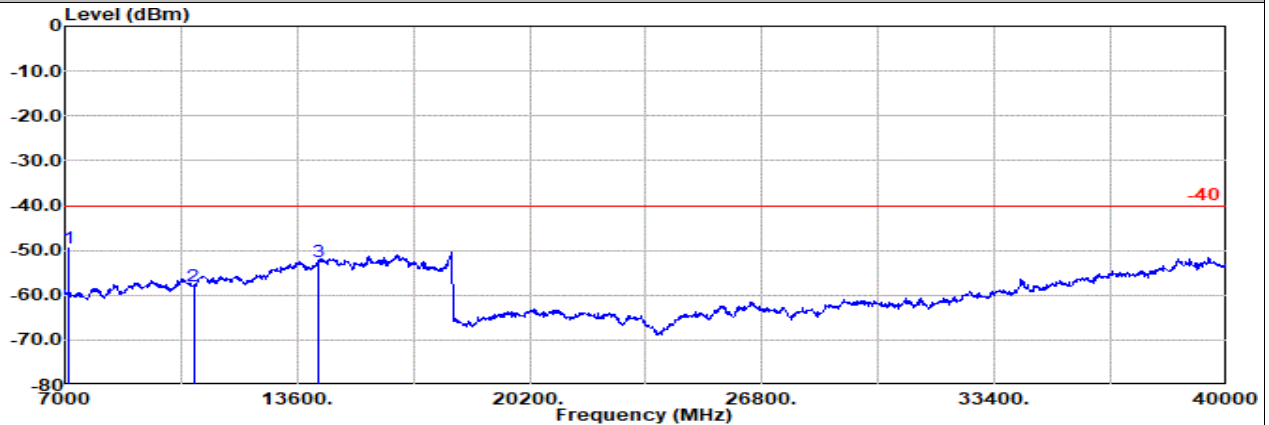


Tx0+1_ANT 5+7

Part 96 Mode 2

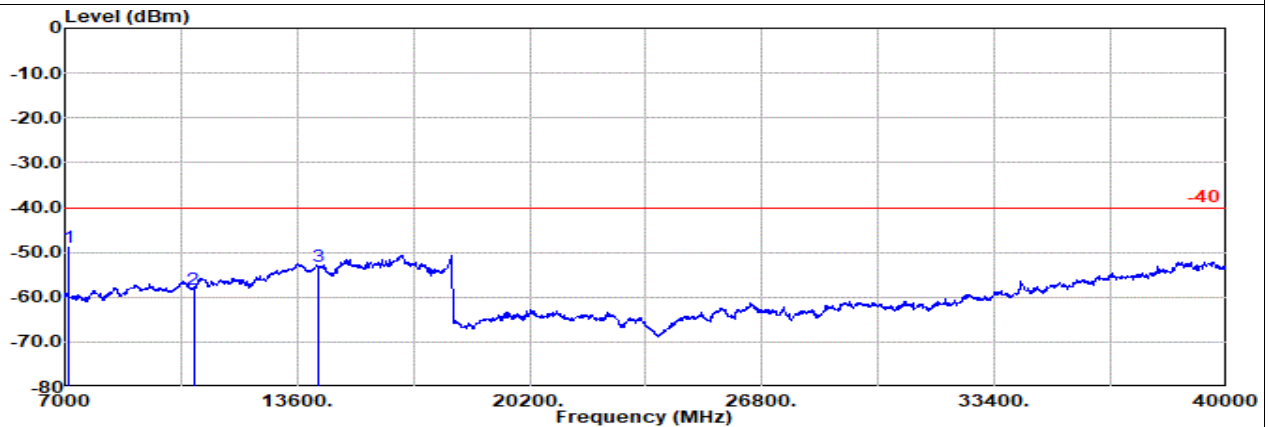
NR MIMO n48 20M Ch637334 1RB1 QPSK

L



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Horizontal
: 5GNR n48 20M Ch637334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Reading	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB		dBuV	dBm	dB		
1	7102.00	-49.59	RMS	36.21	-51.10	1.00	-95.23	59.53	-40.00	-9.59	Horizontal			
2	10653.00	-58.08	RMS	39.09	-49.07	0.33	-95.23	46.80	-40.00	-18.08	Horizontal			
3	14205.00	-52.43	RMS	40.49	-44.53	0.36	-95.23	46.48	-40.00	-12.43	Horizontal			



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Vertical
: 5GNR n48 20M Ch637334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Reading	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB		dBuV	dBm	dB		
1	7102.00	-48.79	RMS	36.21	-51.10	1.00	-95.23	60.33	-40.00	-8.79	Vertical			
2	10653.00	-58.12	RMS	39.09	-49.07	0.33	-95.23	46.76	-40.00	-18.12	Vertical			
3	14205.00	-53.25	RMS	40.49	-44.53	0.36	-95.23	45.66	-40.00	-13.25	Vertical			

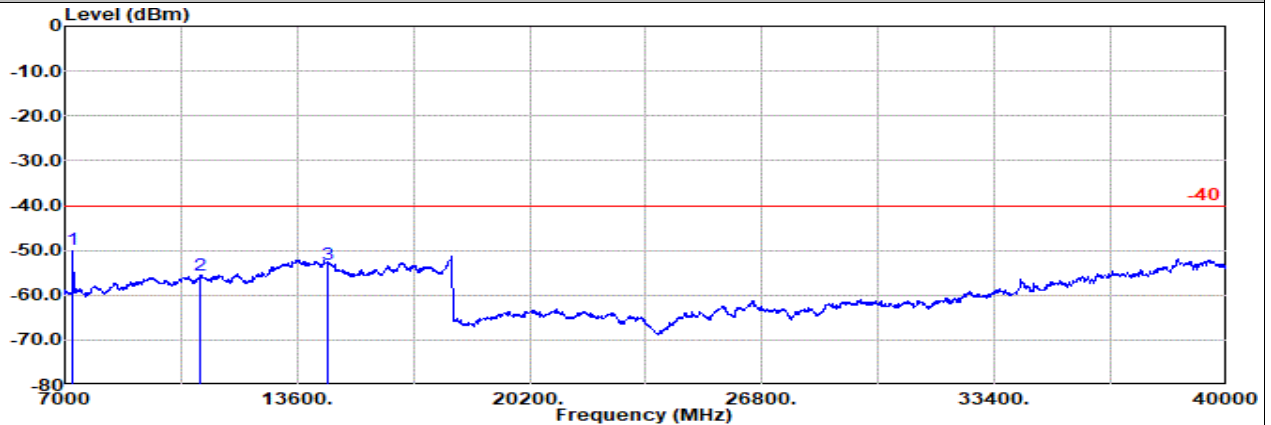


Tx0+1_ANT 5+7

Part 96 Mode 2

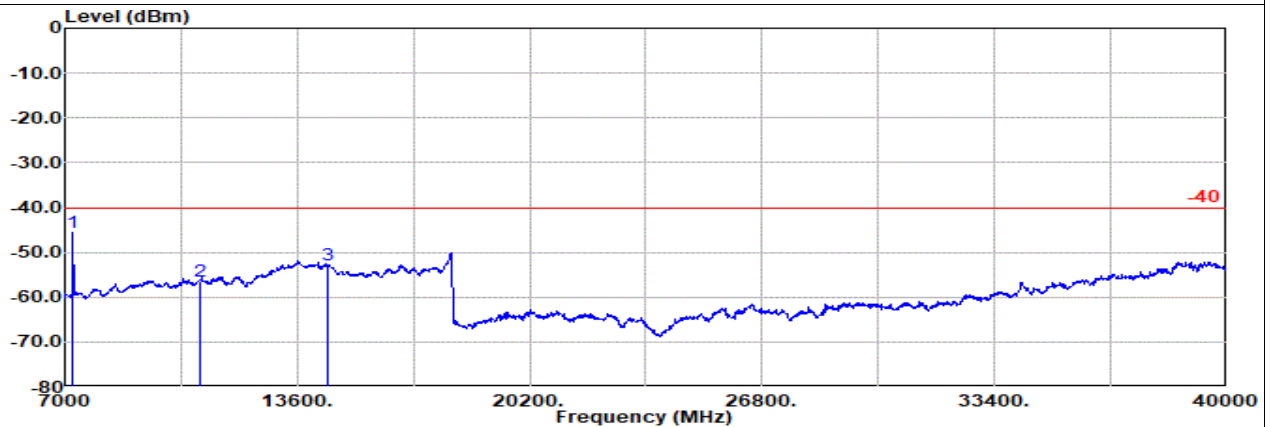
NR MIMO n48 20M Ch641666 1RB1 QPSK

M



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Horizontal
: 5GNR n48 20M Ch641666 1RB1 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7232.52	-49.91	RMS	36.80	-51.14	0.81	-95.23	58.85	-40.00	-9.91	Horizontal			
2	10848.78	-55.66	RMS	39.00	-48.75	0.34	-95.23	48.98	-40.00	-15.66	Horizontal			
3	14465.04	-53.10	RMS	40.26	-44.16	0.36	-95.23	45.67	-40.00	-13.10	Horizontal			



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Vertical
: 5GNR n48 20M Ch641666 1RB1 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7232.52	-45.69	RMS	36.80	-51.14	0.81	-95.23	63.07	-40.00	-5.69	Vertical			
2	10848.78	-56.32	RMS	39.00	-48.75	0.34	-95.23	48.32	-40.00	-16.32	Vertical			
3	14465.04	-52.91	RMS	40.26	-44.16	0.36	-95.23	45.86	-40.00	-12.91	Vertical			

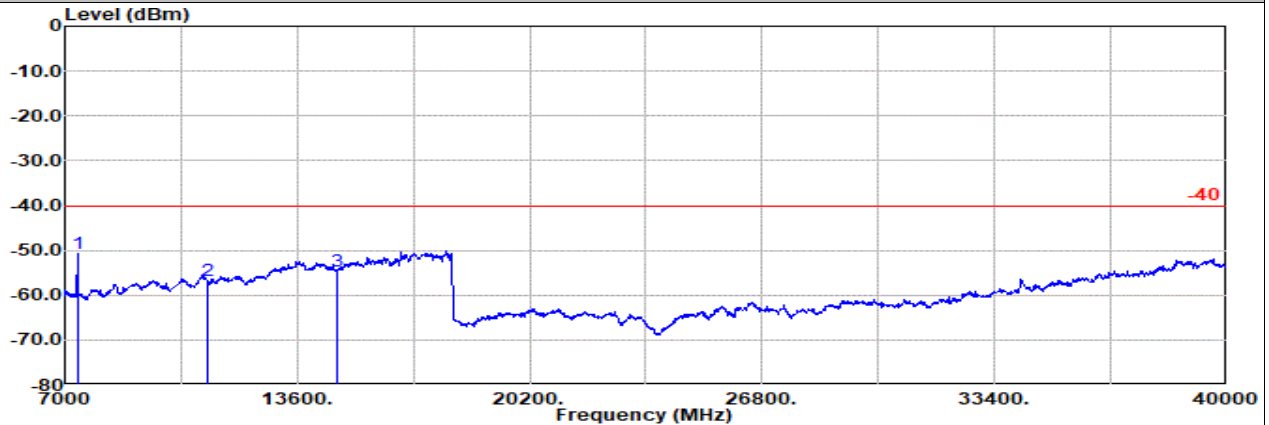


Tx0+1_ANT 5+7

Part 96 Mode 2

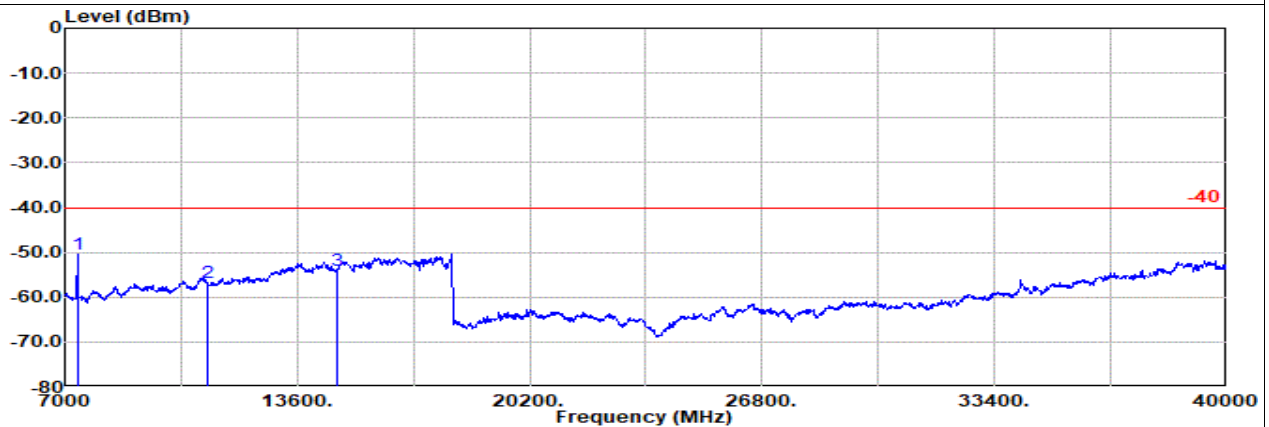
NR MIMO n48 20M Ch646000 1RB1 QPSK

H



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Horizontal
: 5GNR n48 20M Ch646000 1RB1 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7363.00	-50.66	RMS	36.62	-51.20	0.69	-95.23	58.46	-40.00	-10.66	Horizontal			
2	11043.00	-56.72	RMS	38.61	-48.41	0.35	-95.23	47.96	-40.00	-16.72	Horizontal			
3	14725.00	-54.68	RMS	40.00	-44.30	0.35	-95.23	44.50	-40.00	-14.68	Horizontal			



Site : 03CH11-HY
Condition: -40 1m SHF_1224_240624 Vertical
: 5GNR n48 20M Ch646000 1RB1 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7363.00	-50.38	RMS	36.62	-51.20	0.69	-95.23	58.74	-40.00	-10.38	Vertical			
2	11043.00	-56.84	RMS	38.61	-48.41	0.35	-95.23	47.84	-40.00	-16.84	Vertical			
3	14725.00	-54.16	RMS	40.00	-44.30	0.35	-95.23	45.02	-40.00	-14.16	Vertical			

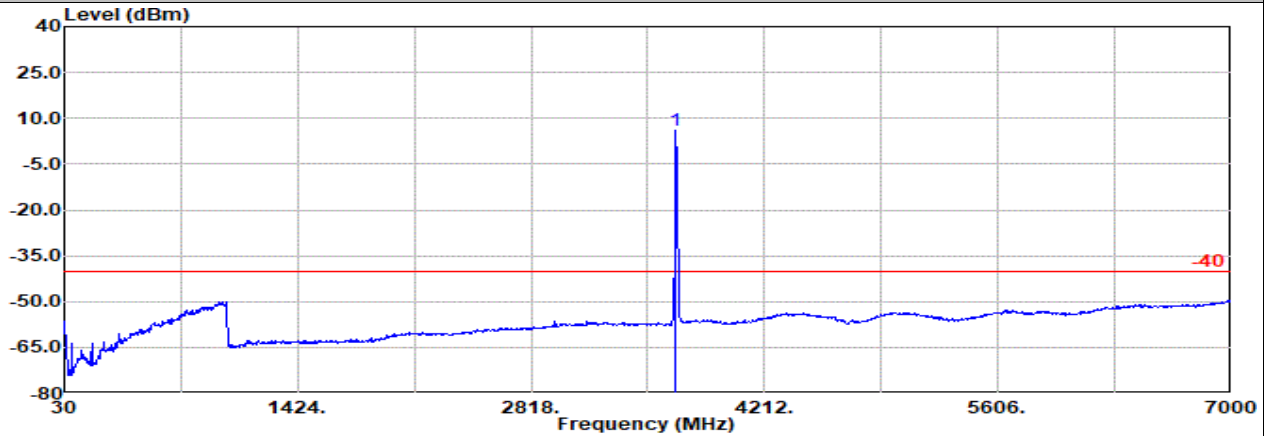


Tx0_ANT 5

Part 96 Mode 1

NR SA n48 20M Ch646000 1RB1 BPSK

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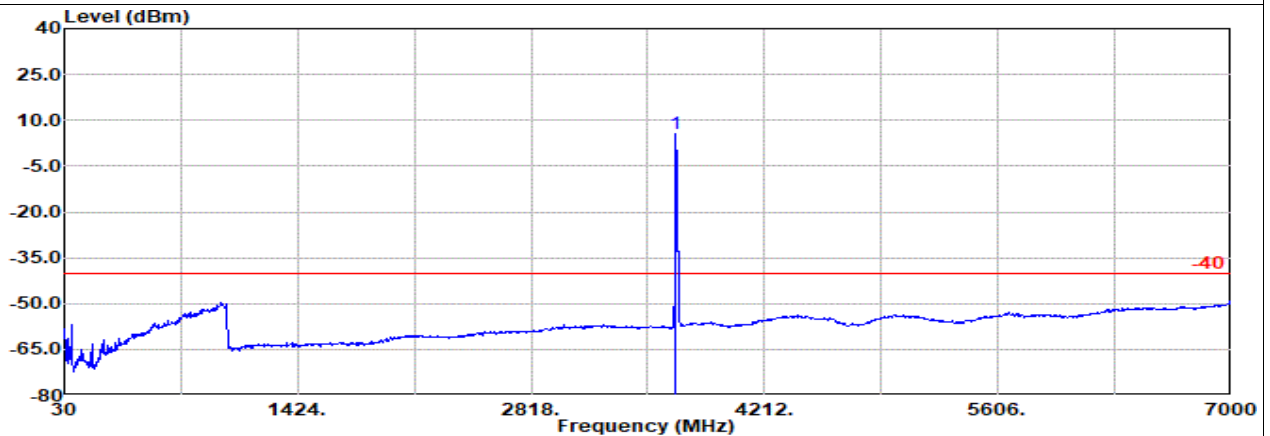
Site : 03CH11-HY

Condition: -40 3m BILOG_37059&01_241127 Horizontal

: NR n48 40M Ch646000 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm									
1	3682.00	6.02	RMS	29.70	-24.36	0.00	-95.23	95.91	-40.00	46.02	Horizontal



Site : 03CH11-HY

Condition: -40 3m BILOG_37059&01_241127 Vertical

: NR n48 40M Ch646000 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm									
1	3682.00	5.66	RMS	29.70	-24.36	0.00	-95.23	95.55	-40.00	45.66	Vertical

Remark: #1 is fundamental signal which can be ignored.