

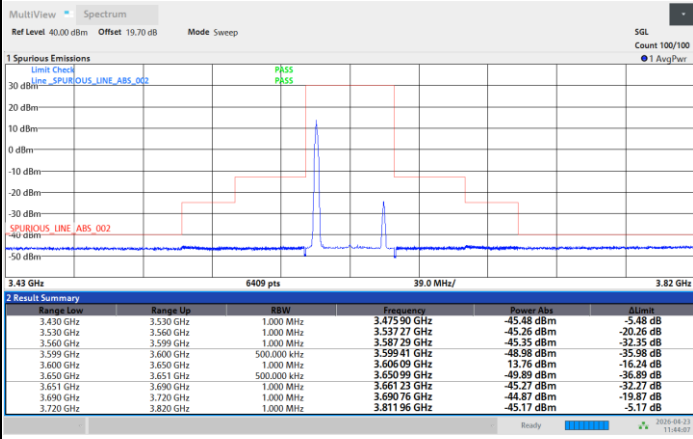


FR1 n48 / 40MHz / CP OFDM / 16QAM

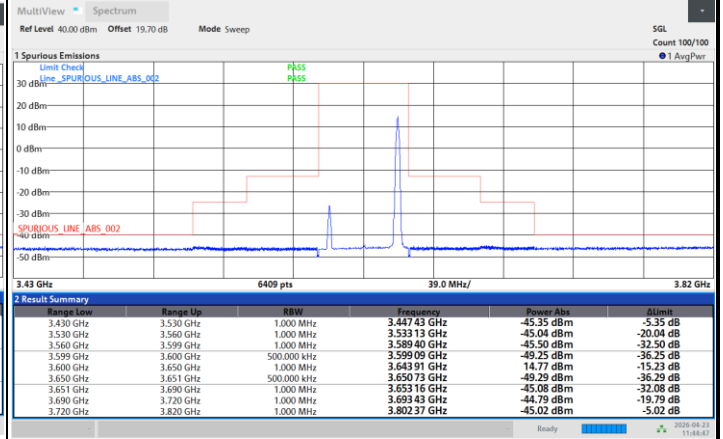
Middle Channel

1RB0

1RBmax

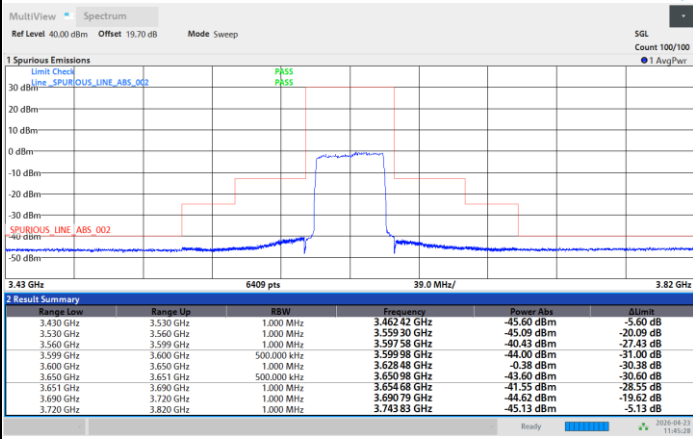


11:44:08 AM 04/23/2026



11:44:48 AM 04/23/2026

Full RB



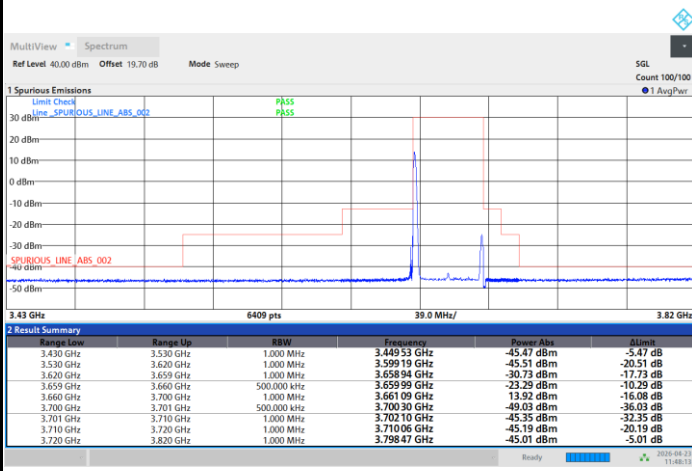
11:45:28 AM 04/23/2026



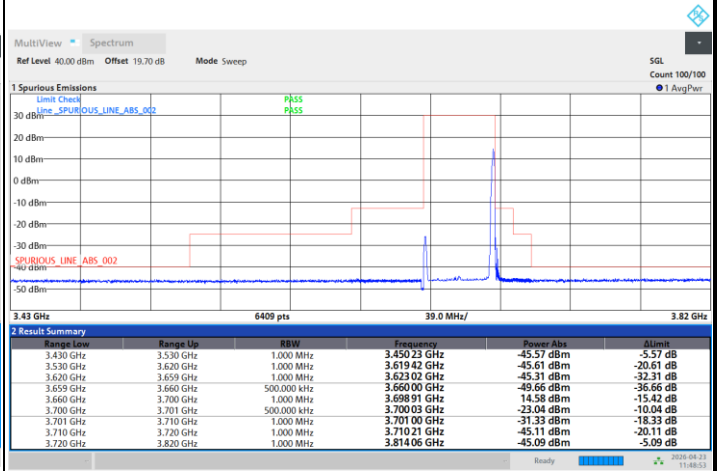
FR1 n48 / 40MHz / CP OFDM / 16QAM

Highest Channel

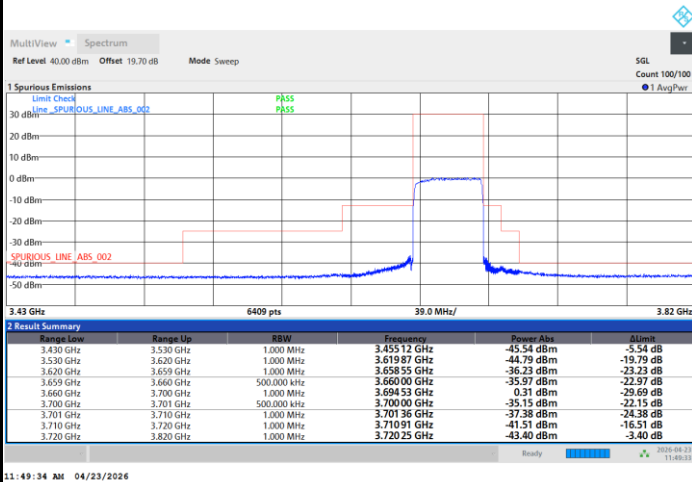
1RB0



1RBmax



Full RB



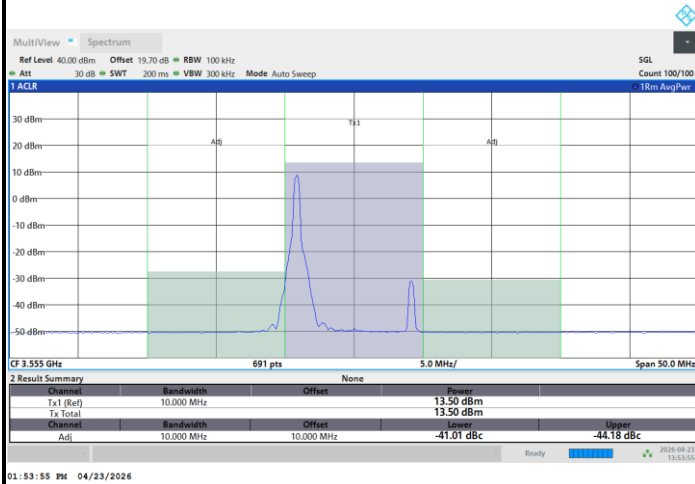


Adjacent Channel Leakage Ratio (ACLR)

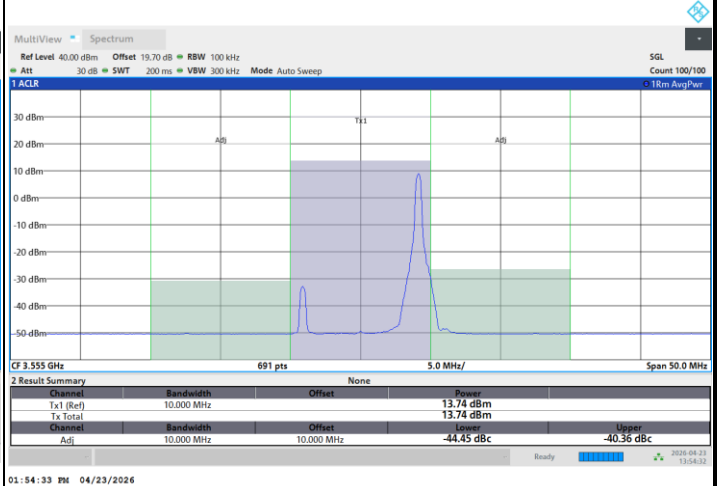
FR1 n48 / 10MHz / CP OFDM / QPSK

Lowest Channel

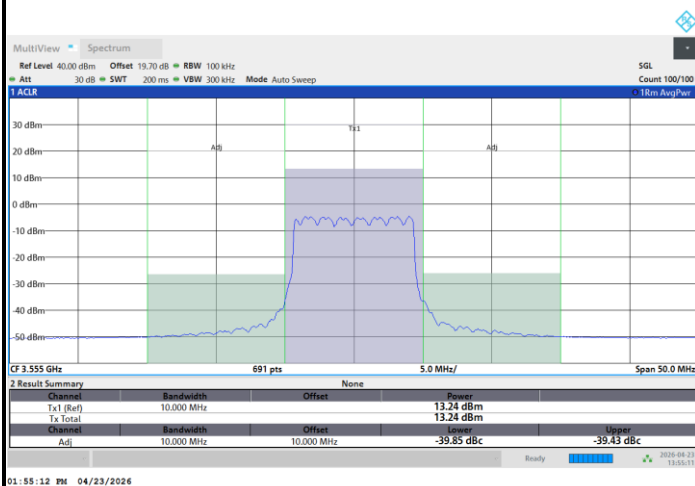
1RB0



1RBmax



Full RB

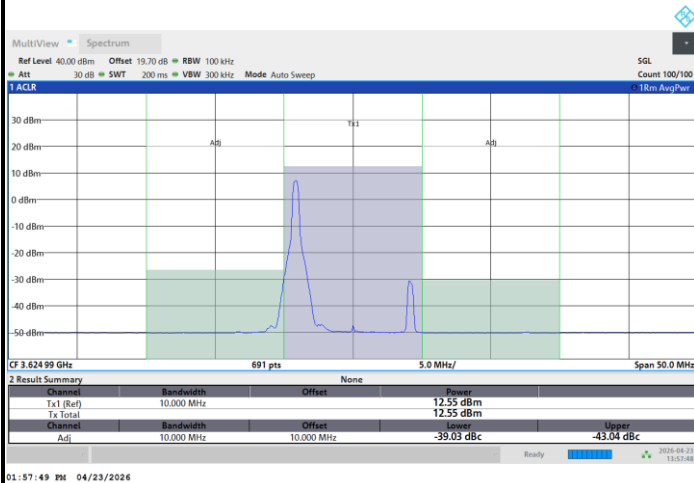




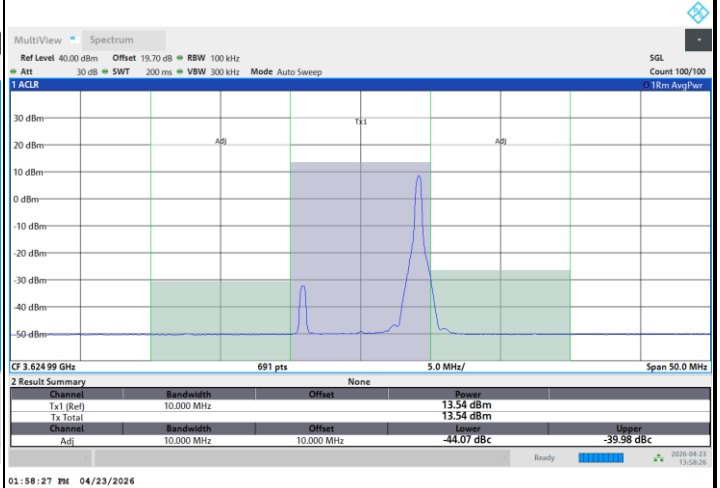
FR1 n48 / 10MHz / CP OFDM / QPSK

Middle Channel

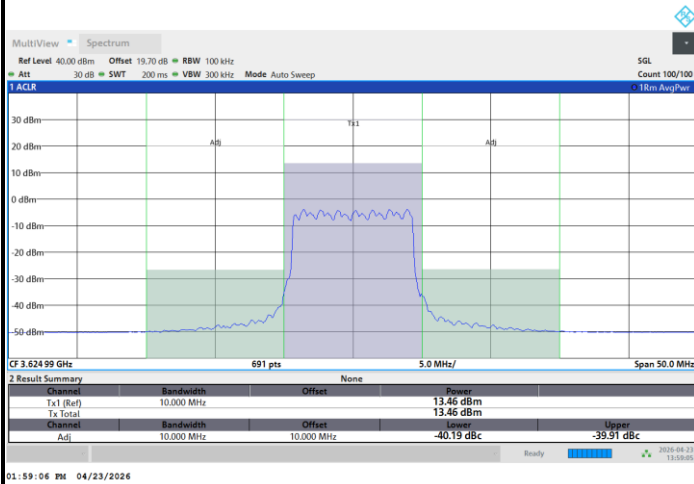
1RB0



1RBmax



Full RB

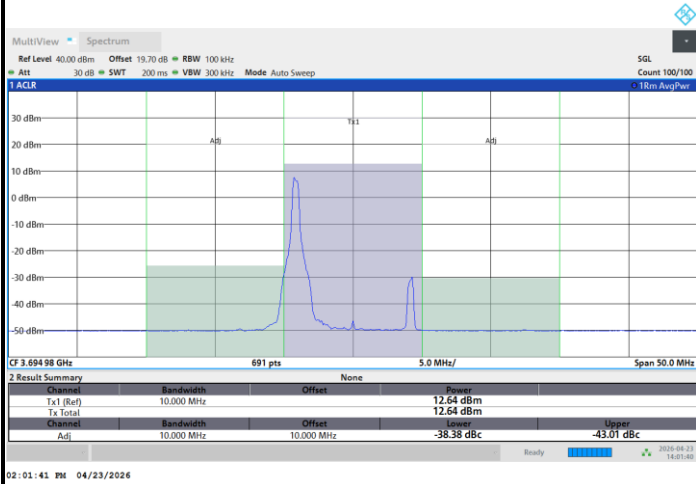




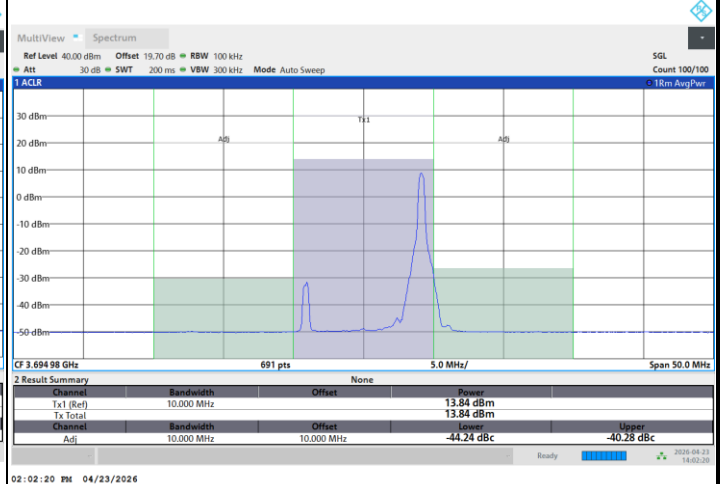
FR1 n48 / 10MHz / CP OFDM / QPSK

Highest Channel

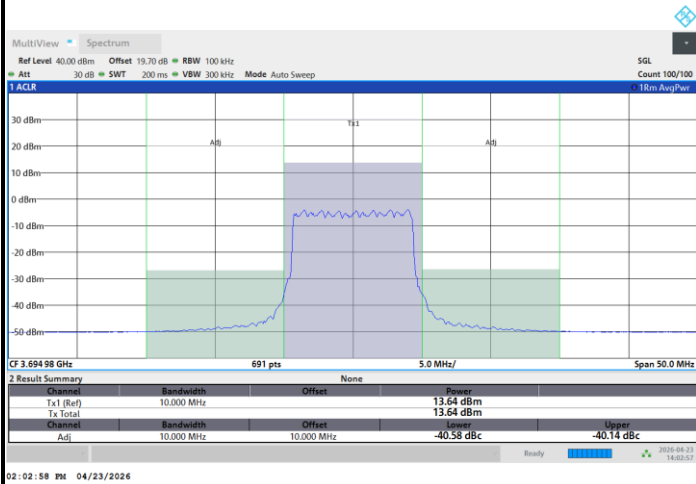
1RB0



1RBmax



Full RB

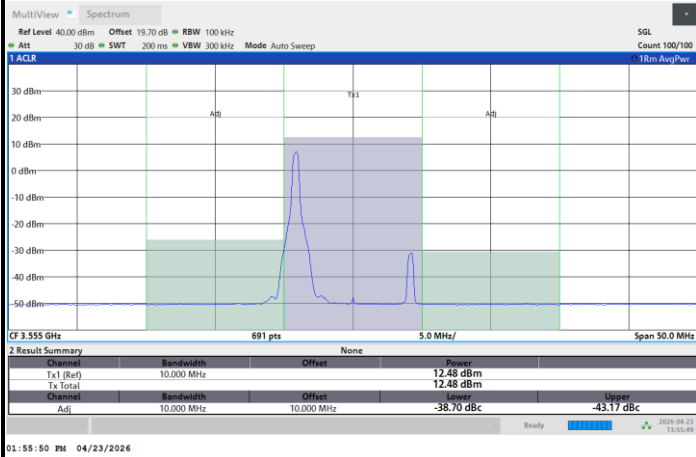




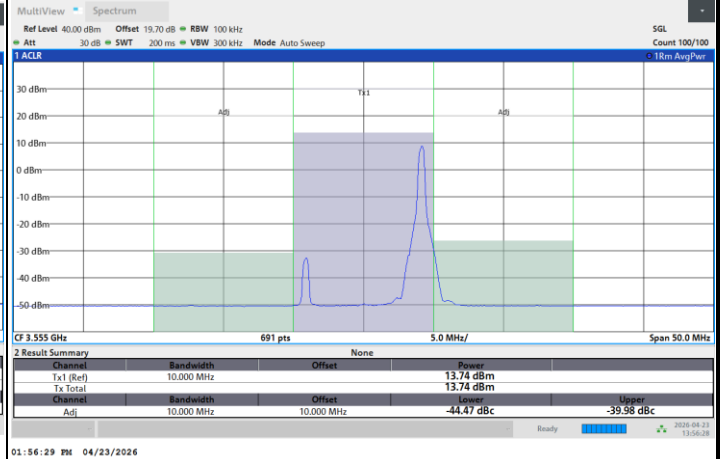
FR1 n48 / 10MHz / CP OFDM / 16QAM

Lowest Channel

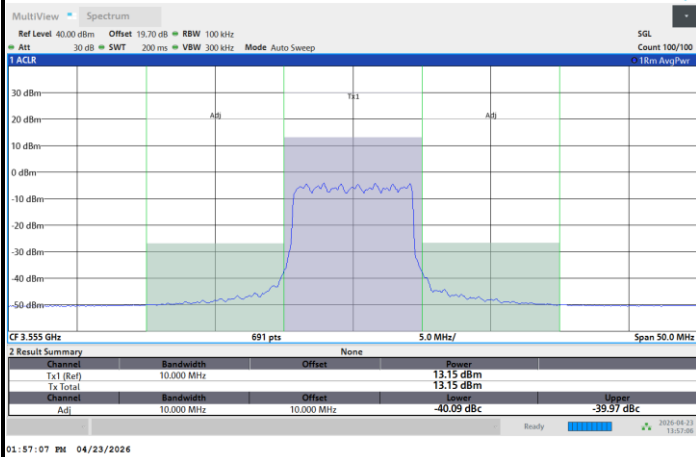
1RB0



1RBmax



Full RB

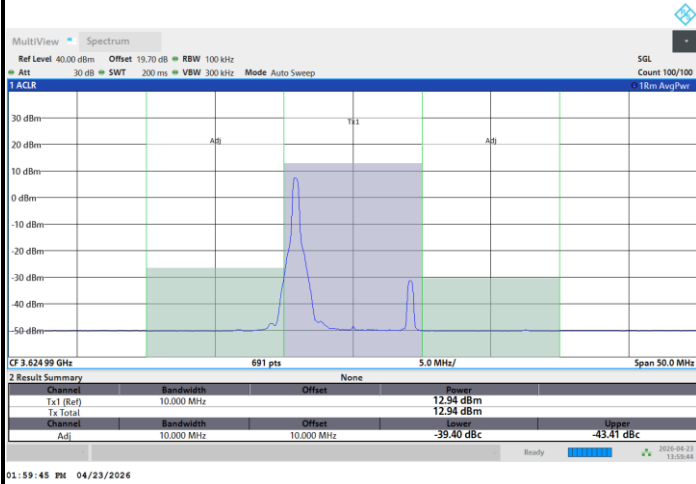




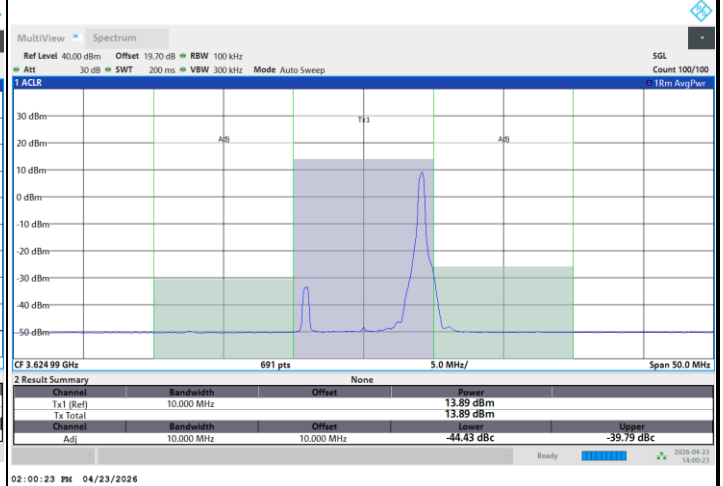
FR1 n48 / 10MHz / CP OFDM / 16QAM

Middle Channel

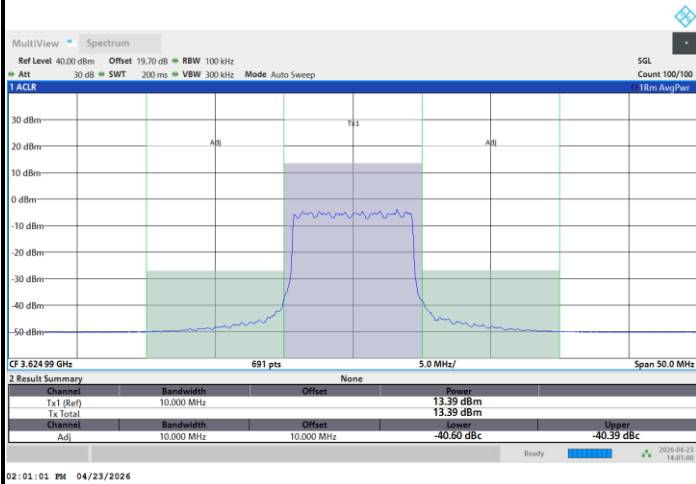
1RB0



1RBmax



Full RB

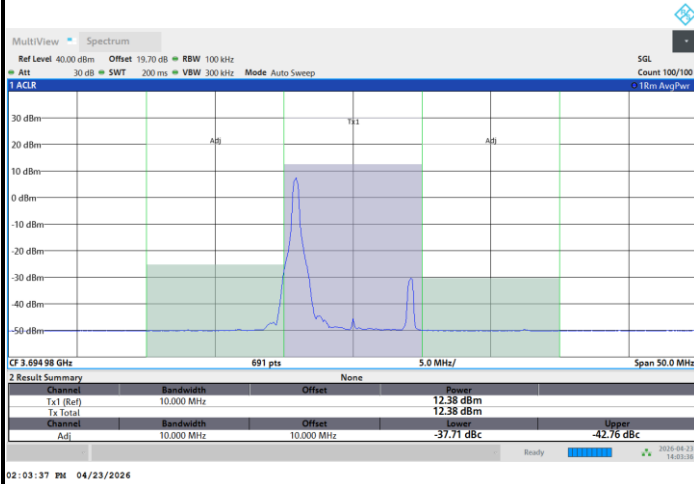




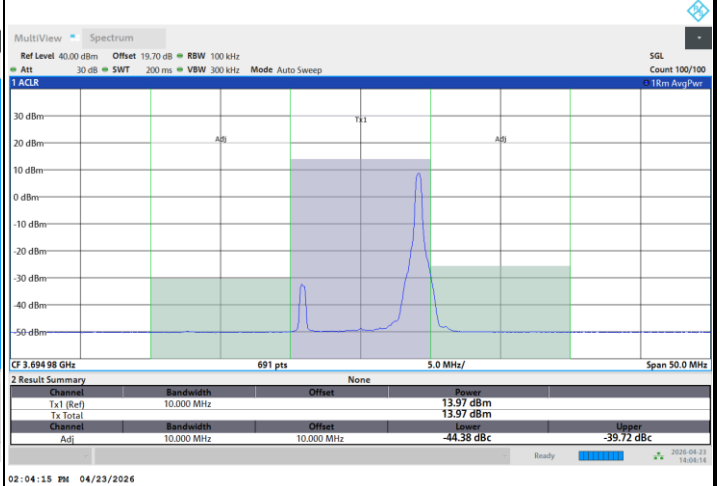
FR1 n48 / 10MHz / CP OFDM / 16QAM

Highest Channel

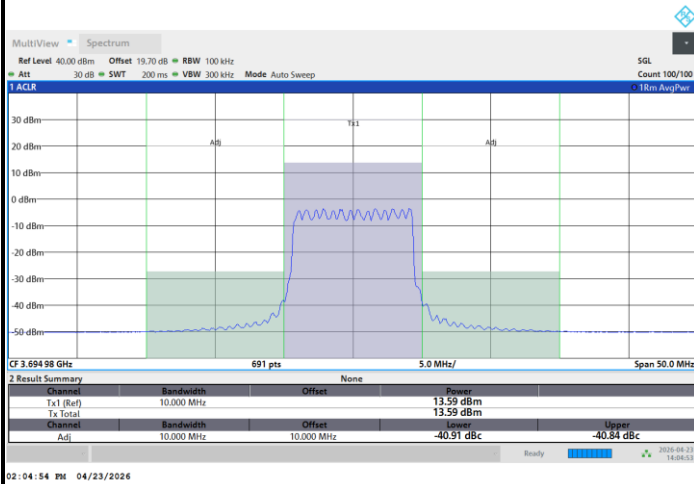
1RB0



1RBmax



Full RB

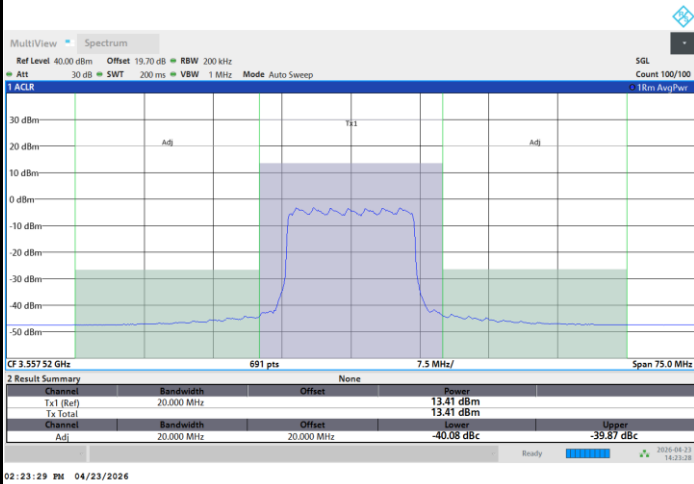




FR1 n48 / 15MHz / CP OFDM / QPSK

Lowest Channel

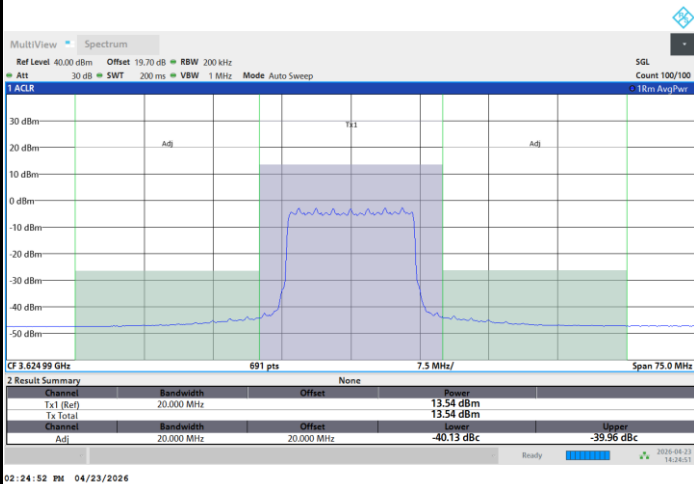
Full RB



FR1 n48 / 15MHz / CP OFDM / QPSK

Middle Channel

Full RB

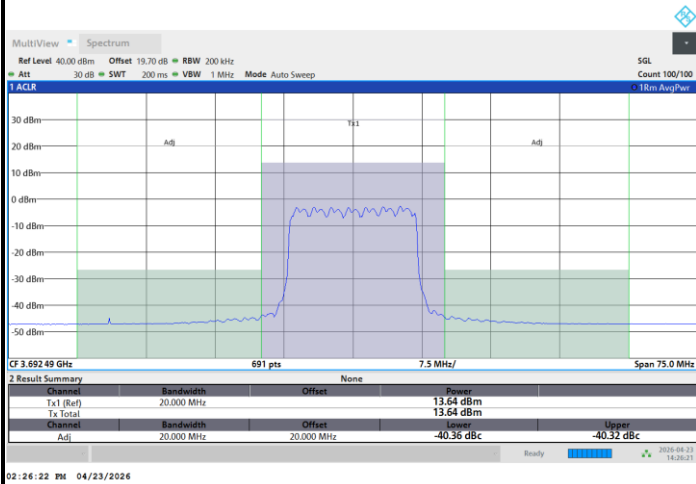




FR1 n48 / 15MHz / CP OFDM / QPSK

Highest Channel

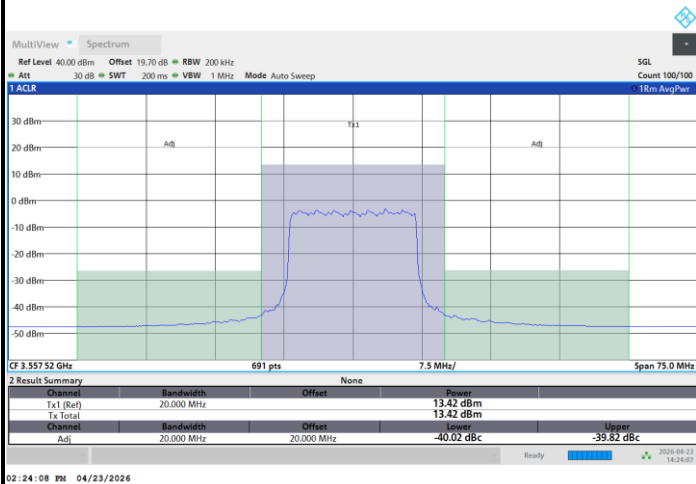
Full RB



FR1 n48 / 15MHz / CP OFDM / 16QAM

Lowest Channel

Full RB

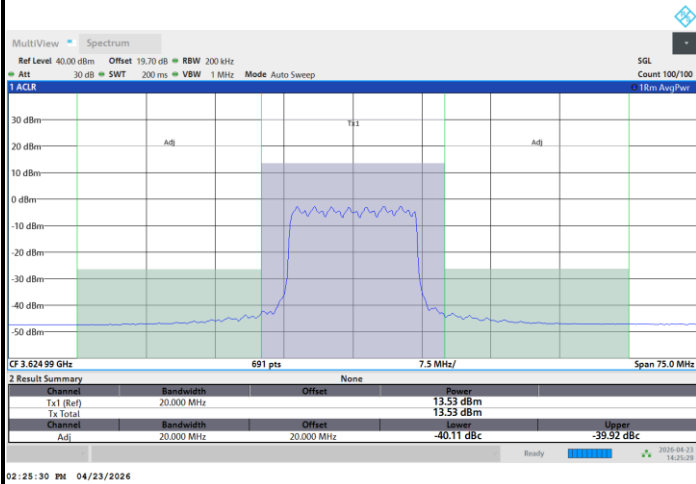




FR1 n48 / 15MHz / CP OFDM / 16QAM

Middle Channel

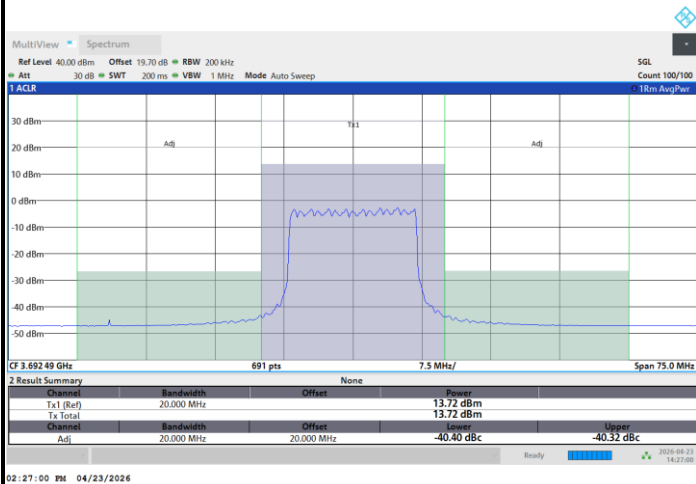
Full RB



FR1 n48 / 15MHz / CP OFDM / 16QAM

Highest Channel

Full RB

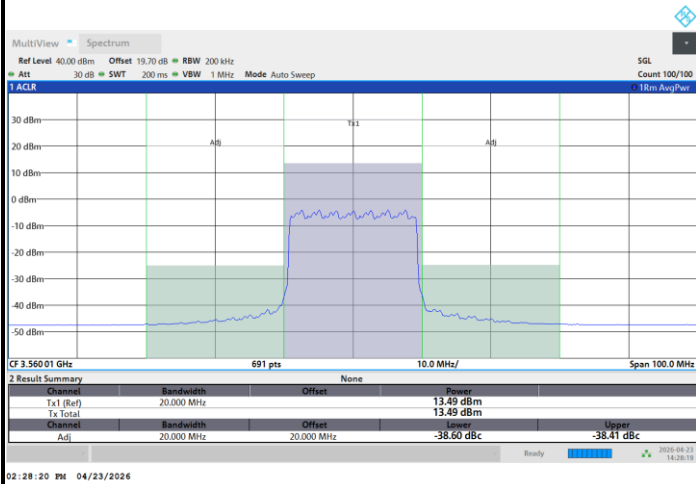




FR1 n48 / 20MHz / CP OFDM / QPSK

Lowest Channel

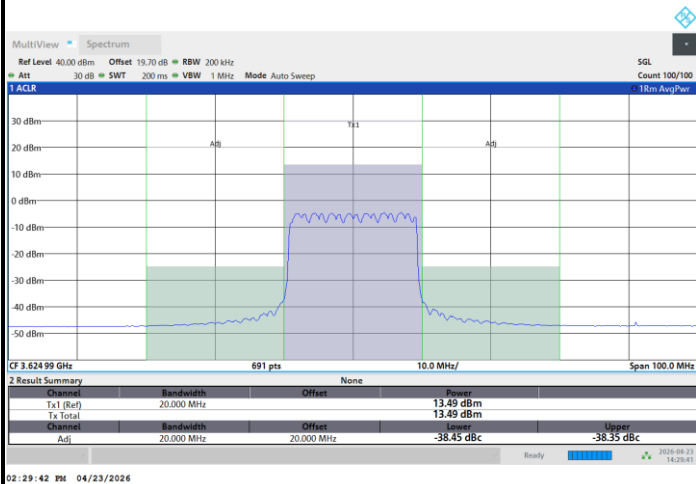
Full RB



FR1 n48 / 20MHz / CP OFDM / QPSK

Middle Channel

Full RB

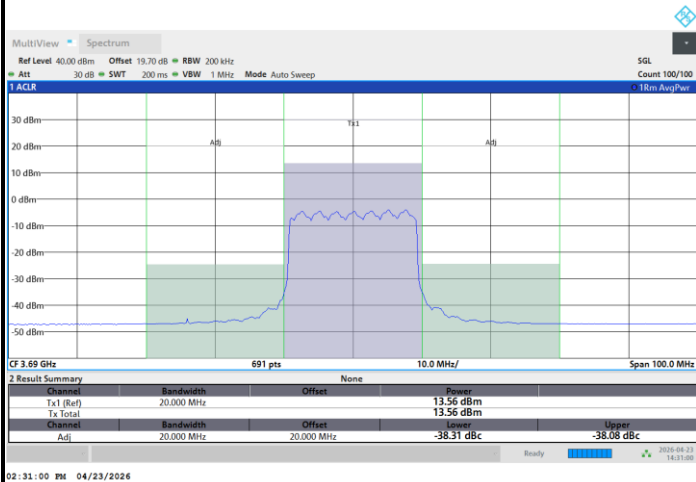




FR1 n48 / 20MHz / CP OFDM / QPSK

Highest Channel

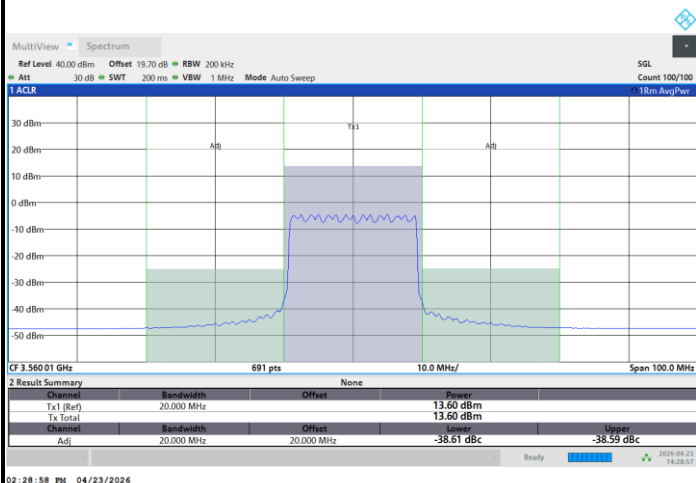
Full RB



FR1 n48 / 20MHz / CP OFDM / 16QAM

Lowest Channel

Full RB

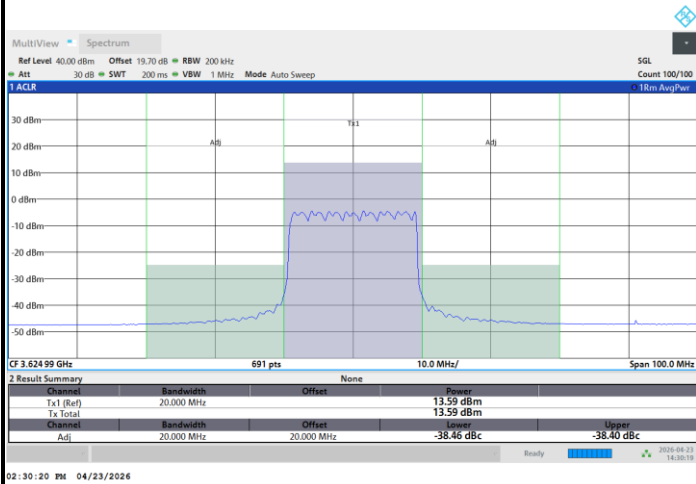




FR1 n48 / 20MHz / CP OFDM / 16QAM

Middle Channel

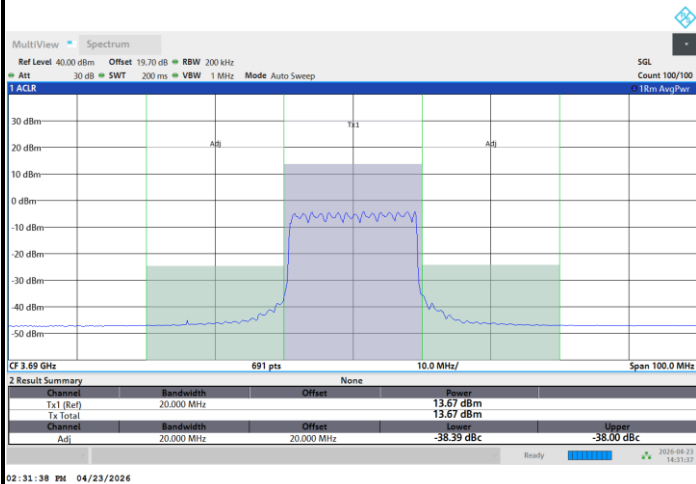
Full RB



FR1 n48 / 20MHz / CP OFDM / 16QAM

Highest Channel

Full RB

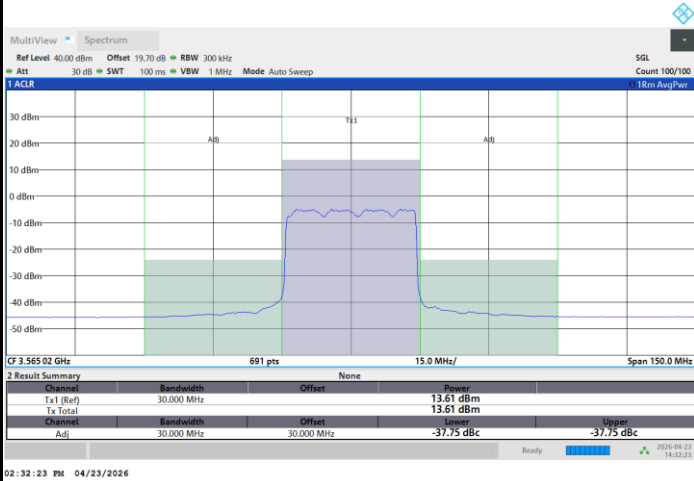




FR1 n48 / 30MHz / CP OFDM / QPSK

Lowest Channel

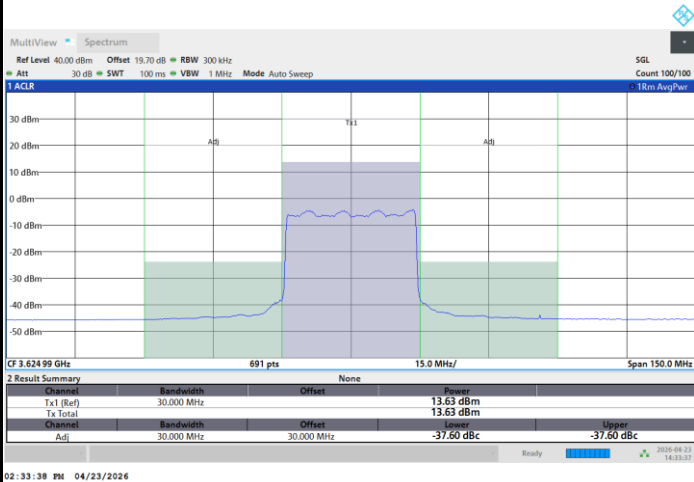
Full RB



FR1 n48 / 30MHz / CP OFDM / QPSK

Middle Channel

Full RB

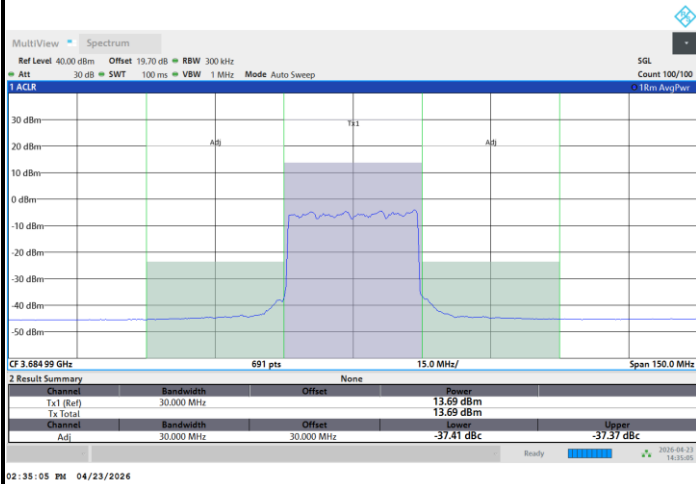




FR1 n48 / 30MHz / CP OFDM / QPSK

Highest Channel

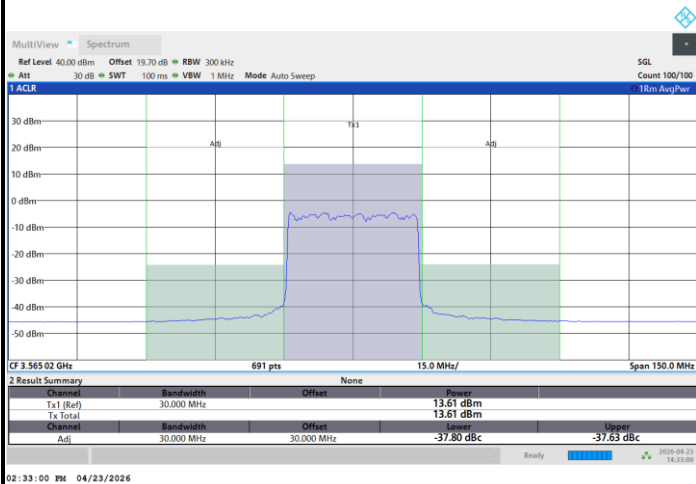
Full RB



FR1 n48 / 30MHz / CP OFDM / 16QAM

Lowest Channel

Full RB

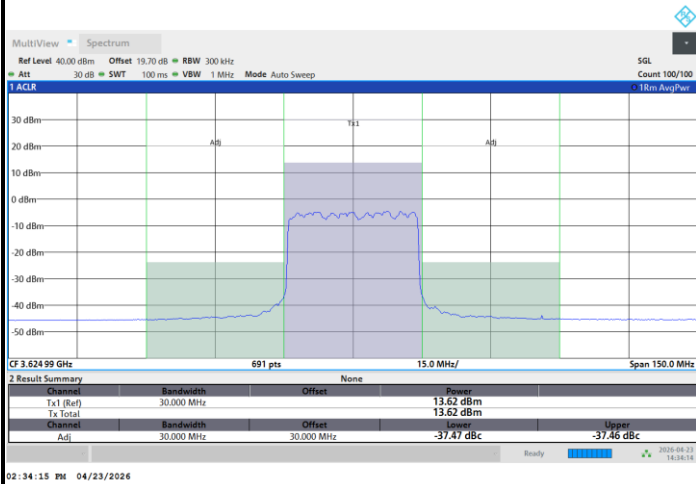




FR1 n48 / 30MHz / CP OFDM / 16QAM

Middle Channel

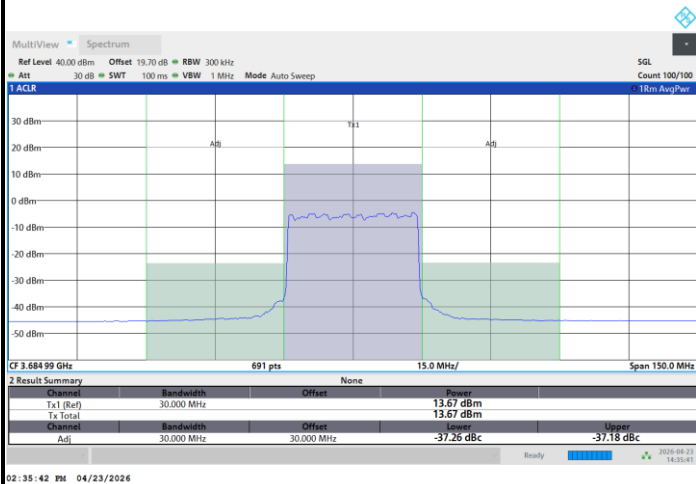
Full RB



FR1 n48 / 30MHz / CP OFDM / 16QAM

Highest Channel

Full RB

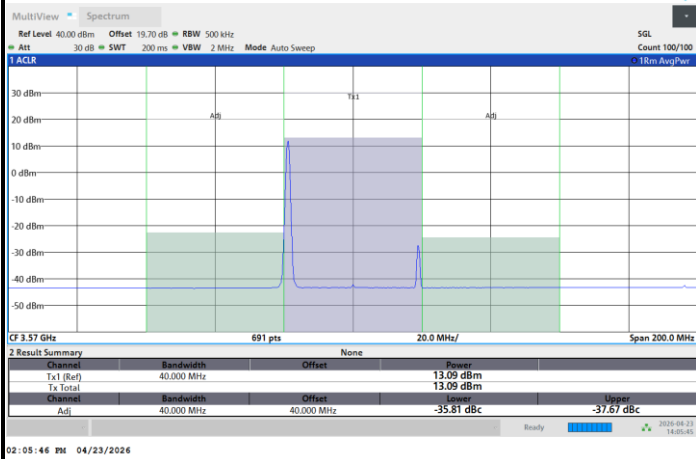




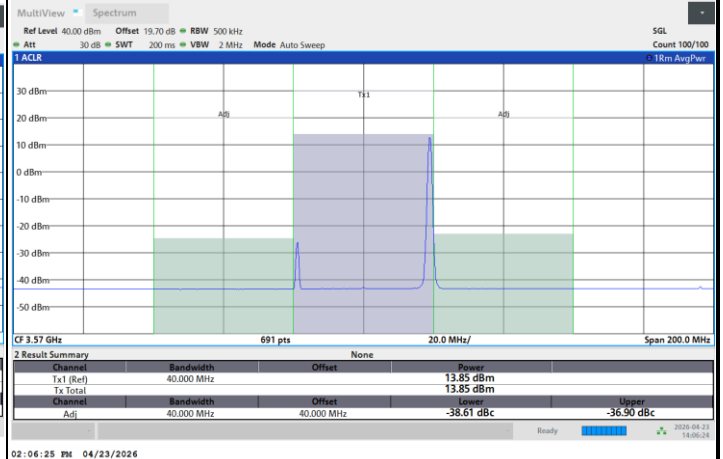
FR1 n48 / 40MHz / CP OFDM / QPSK

Lowest Channel

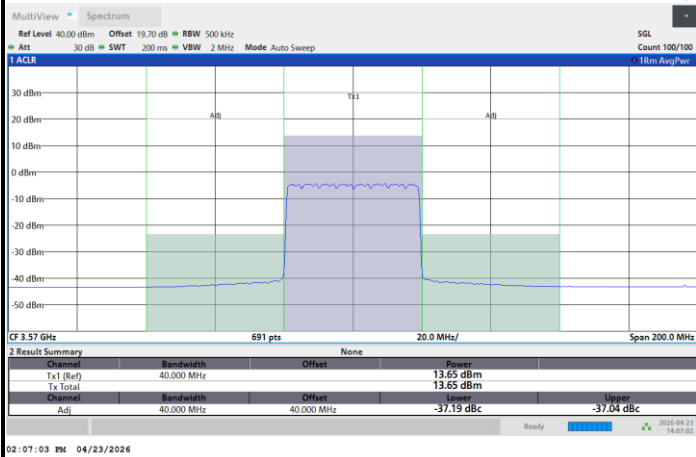
1RB0



1RBmax



Full RB

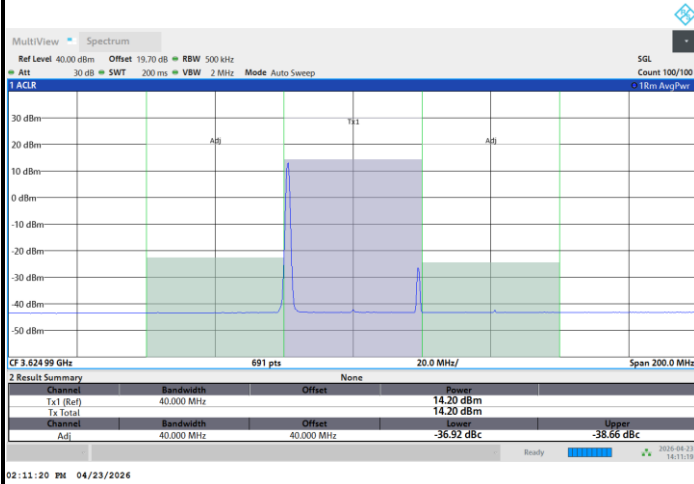




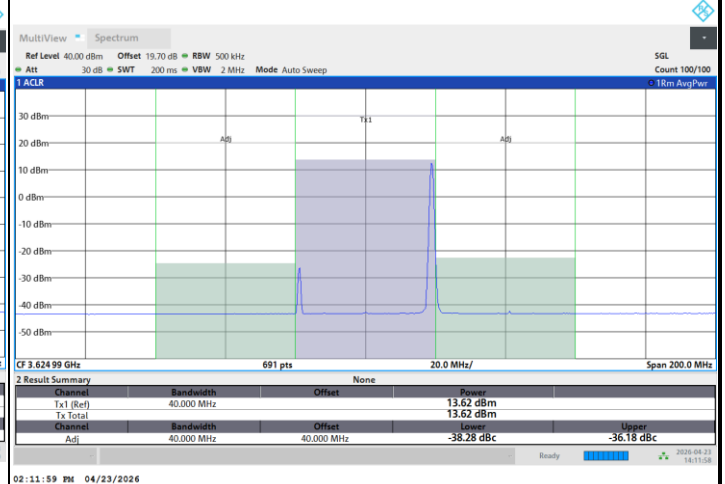
FR1 n48 / 40MHz / CP OFDM / QPSK

Middle Channel

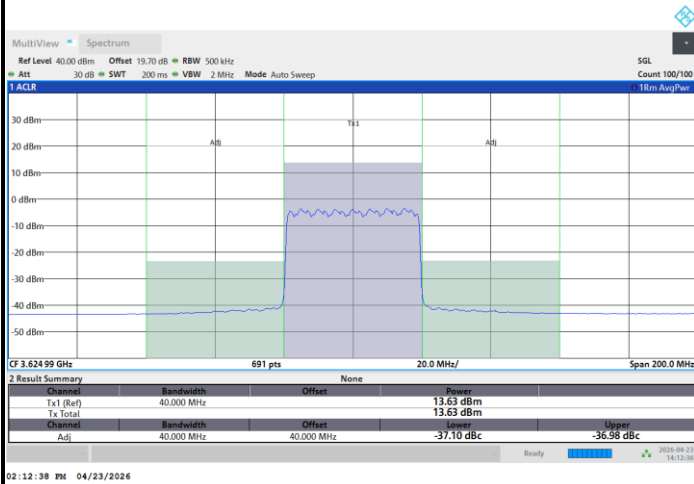
1RB0



1RBmax



Full RB

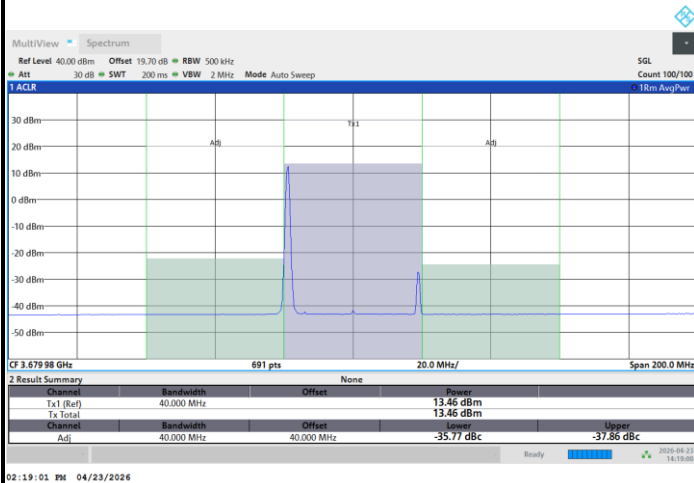




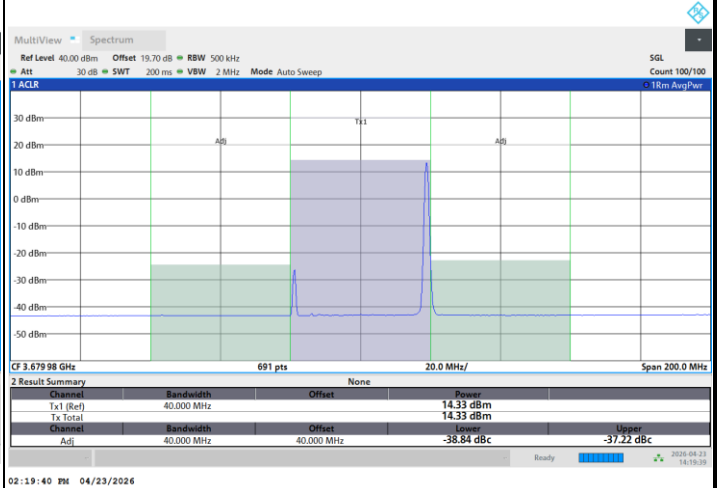
FR1 n48 / 40MHz / CP OFDM / QPSK

Highest Channel

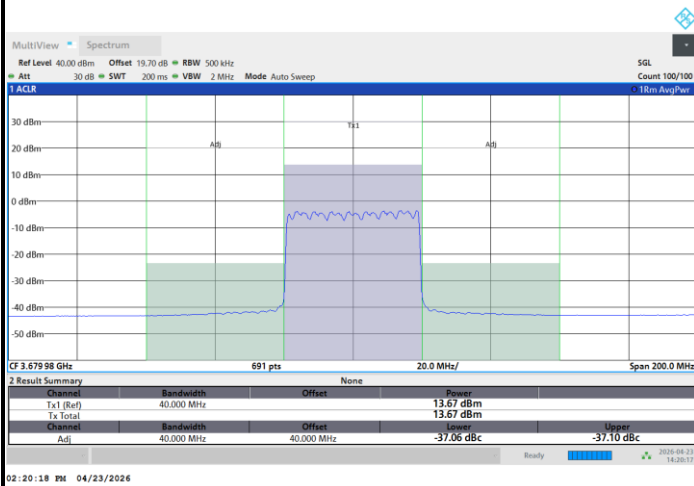
1RB0



1RBmax



Full RB

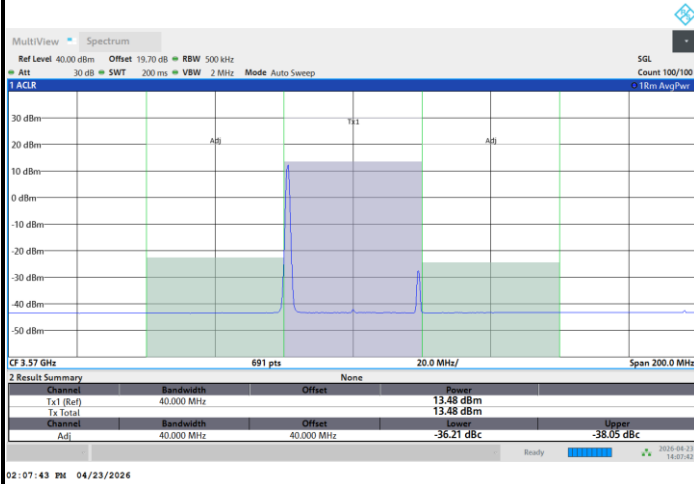




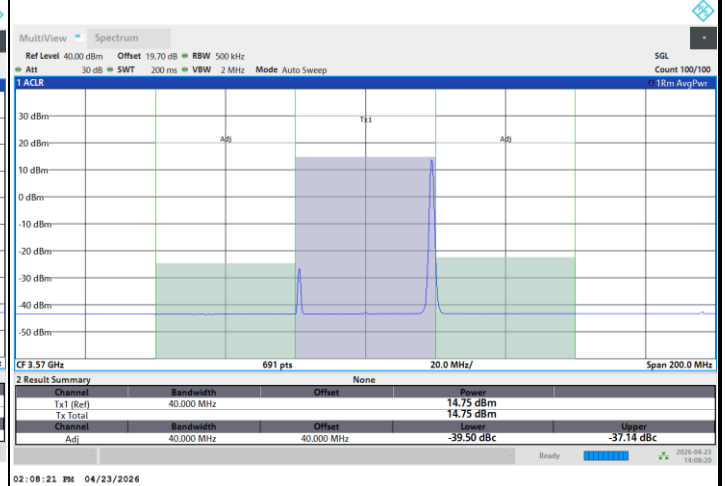
FR1 n48 / 40MHz / CP OFDM / 16QAM

Lowest Channel

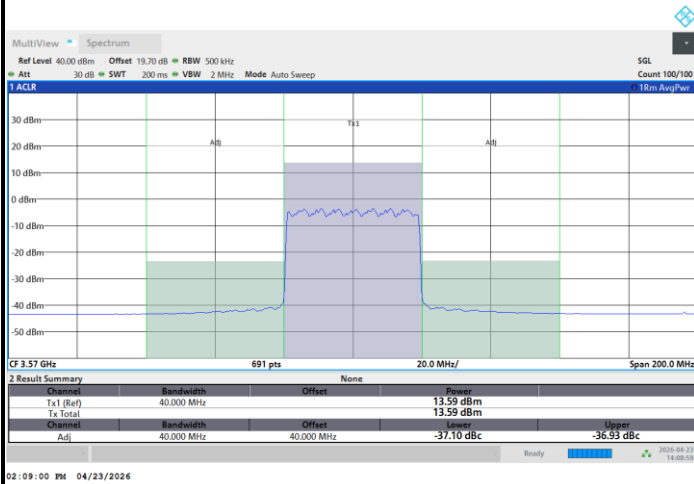
1RB0



1RBmax



Full RB

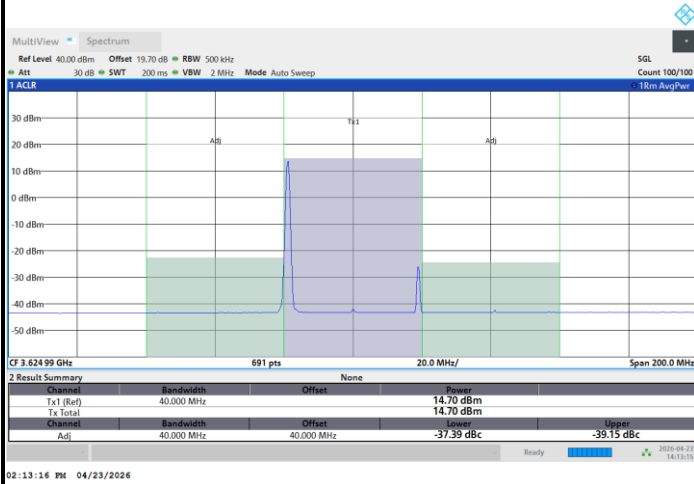




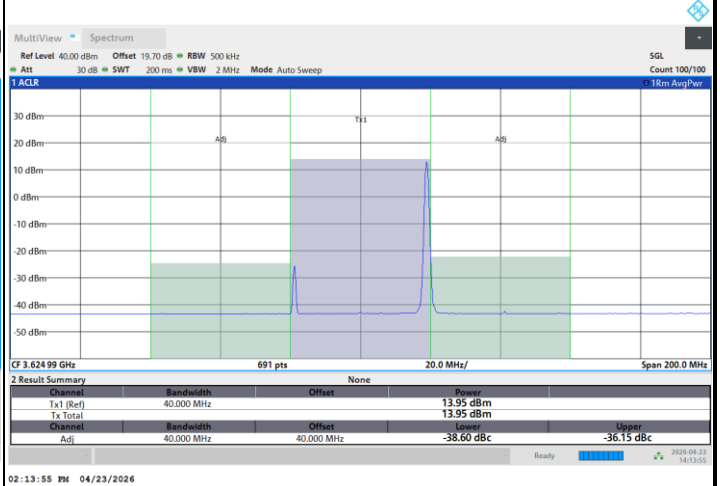
FR1 n48 / 40MHz / CP OFDM / 16QAM

Middle Channel

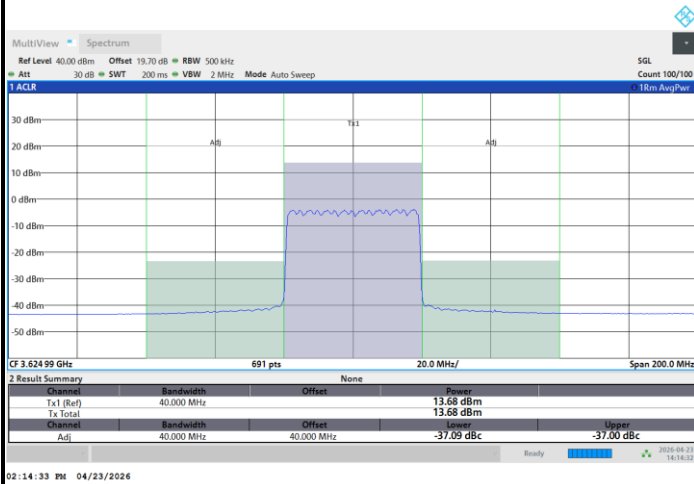
1RB0



1RBmax



Full RB

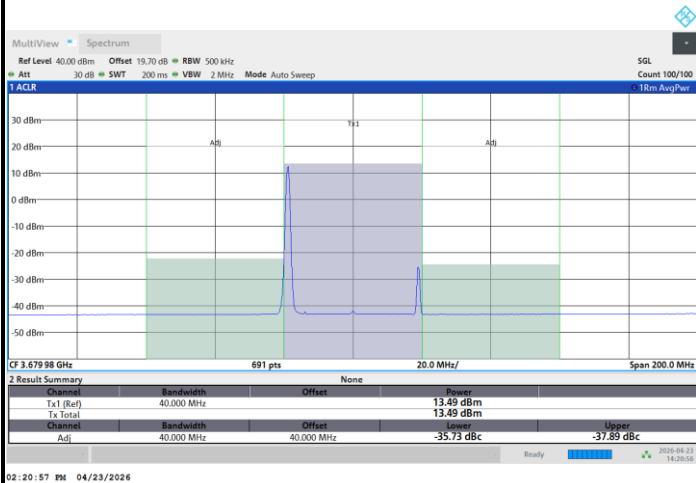




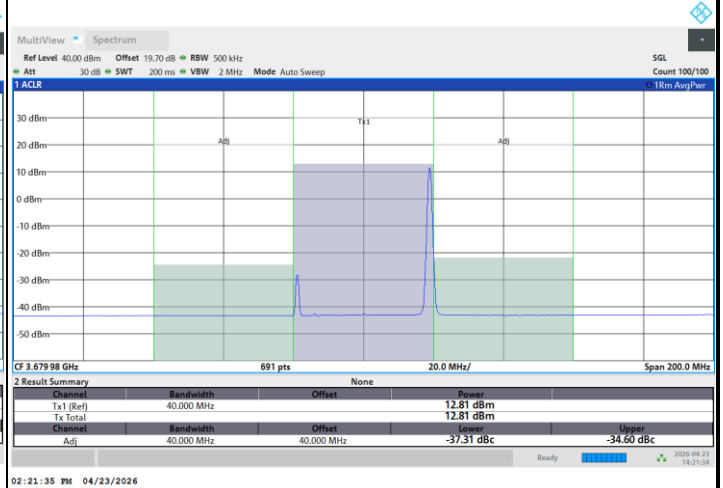
FR1 n48 / 40MHz / CP OFDM / 16QAM

Highest Channel

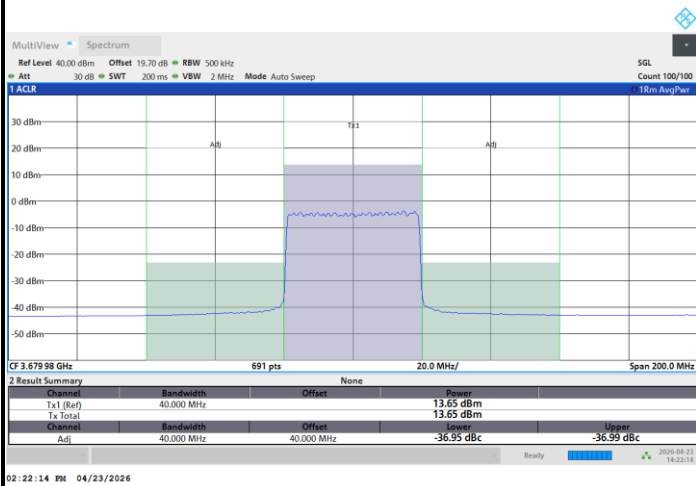
1RB0



1RBmax



Full RB

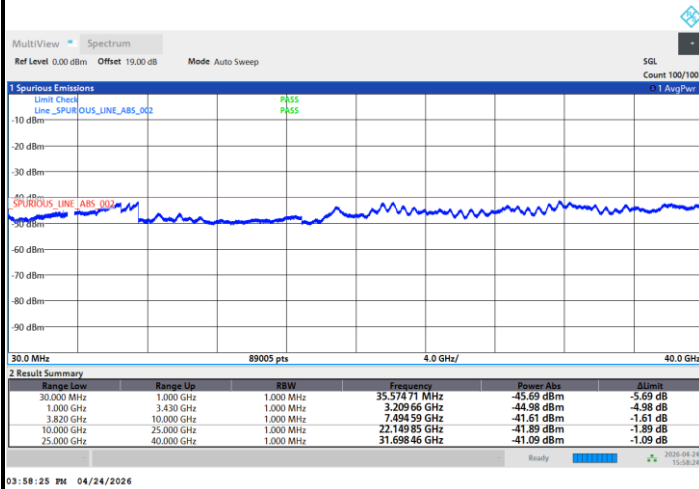




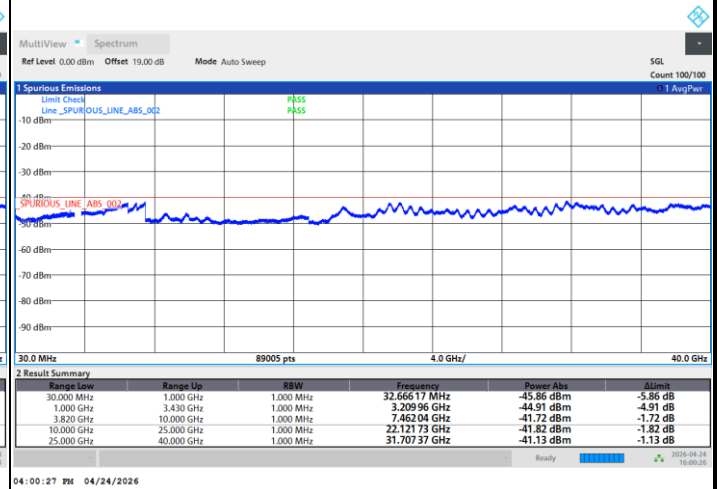
Conducted Spurious Emission

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

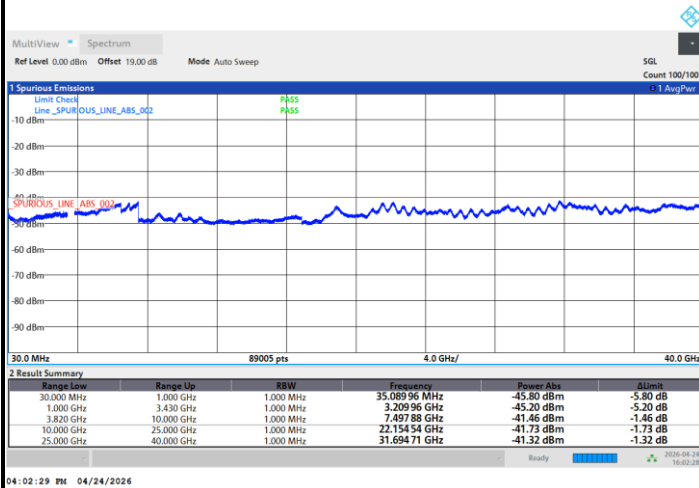
Lowest Channel



Middle Channel



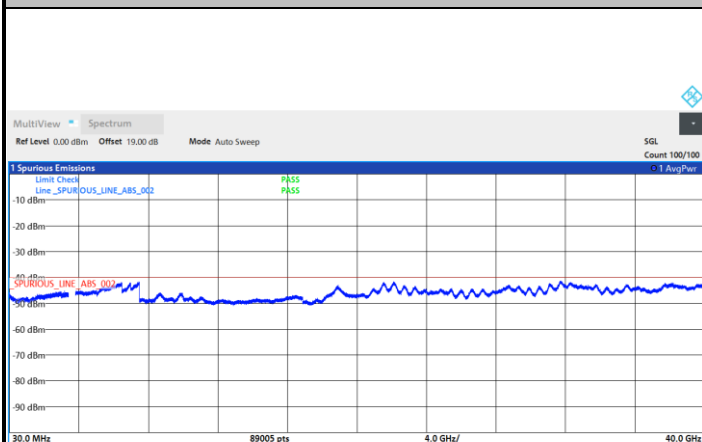
Highest Channel



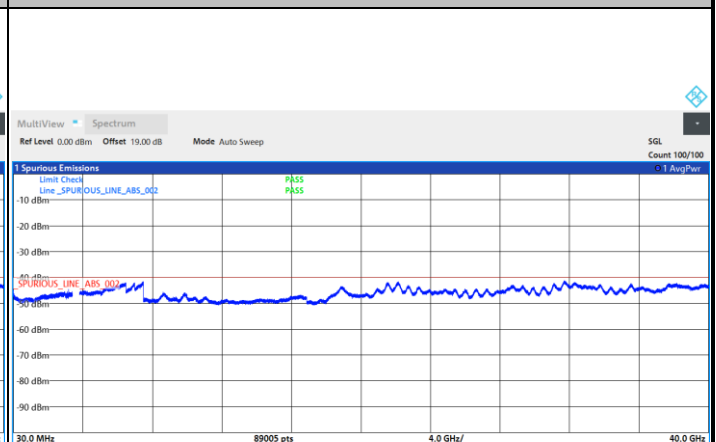


FR1 n48 / 15MHz / CP OFDM / QPSK / 1RB1

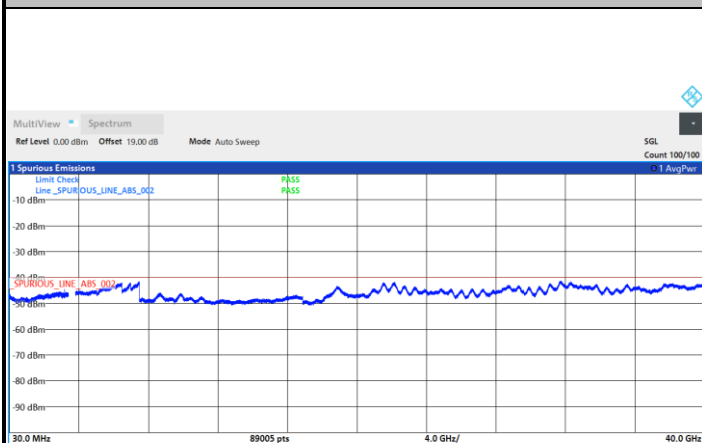
Lowest Channel



Middle Channel



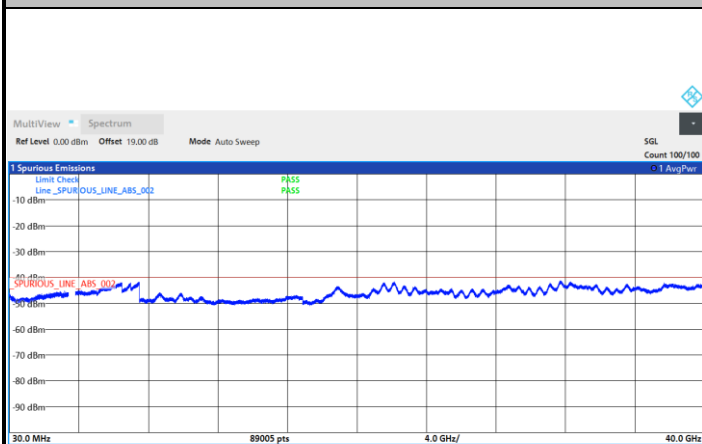
Highest Channel





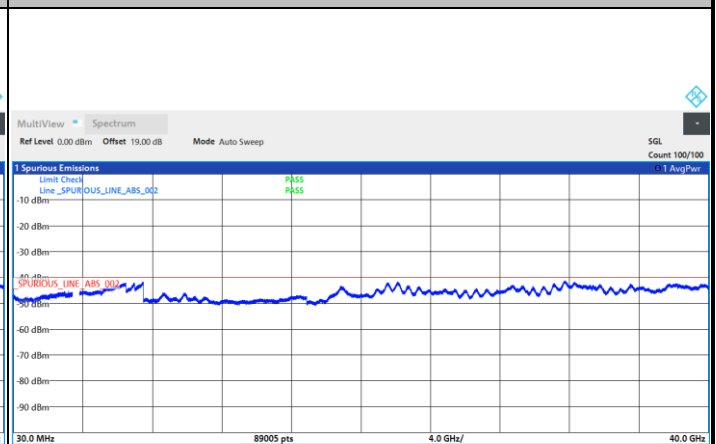
FR1 n48 / 20MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



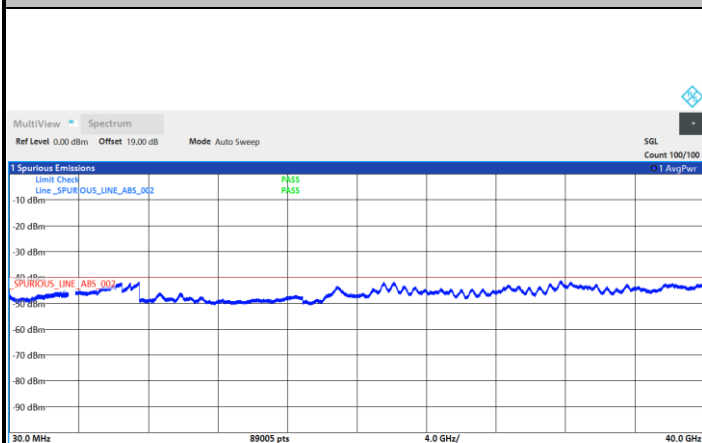
04:29:29 PM 04/24/2026

Middle Channel



04:32:14 PM 04/24/2026

Highest Channel

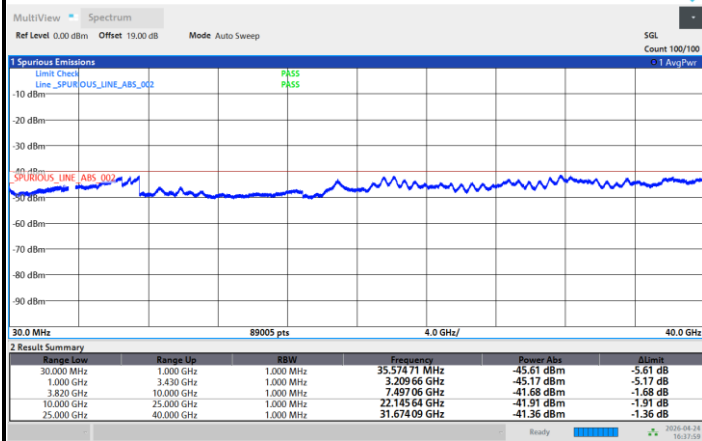


04:34:17 PM 04/24/2026



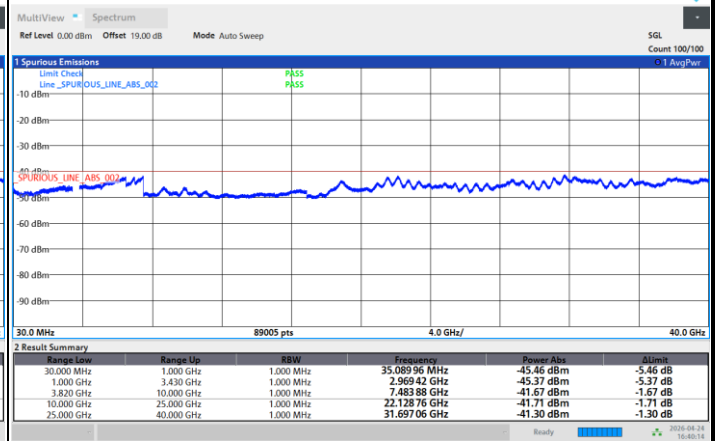
FR1 n48 / 30MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



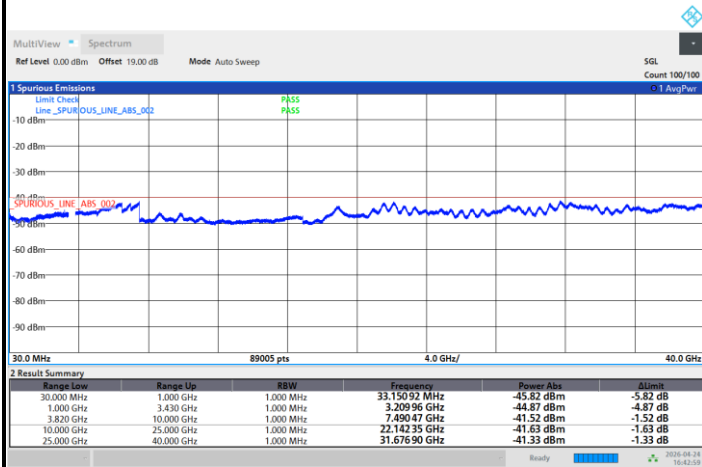
04:38:00 PM 04/24/2026

Middle Channel



04:40:15 PM 04/24/2026

Highest Channel

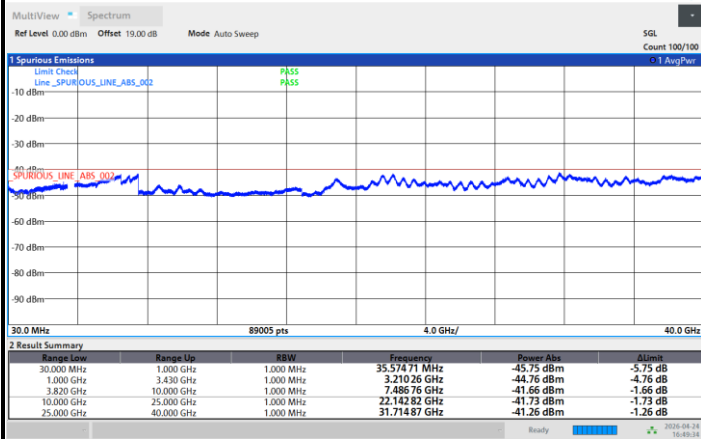


04:43:00 PM 04/24/2026



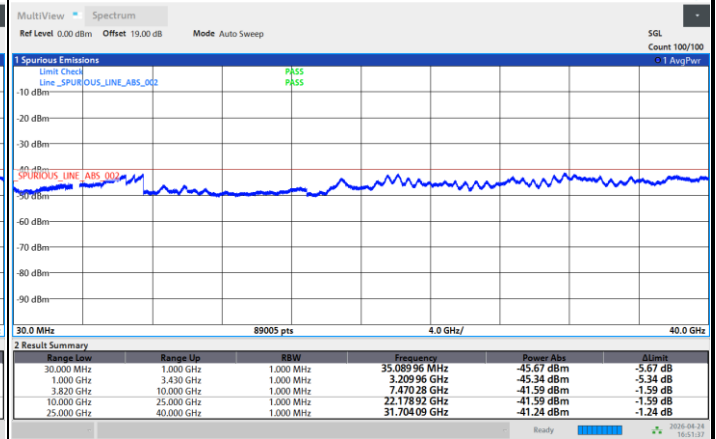
FR1 n48 / 40MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



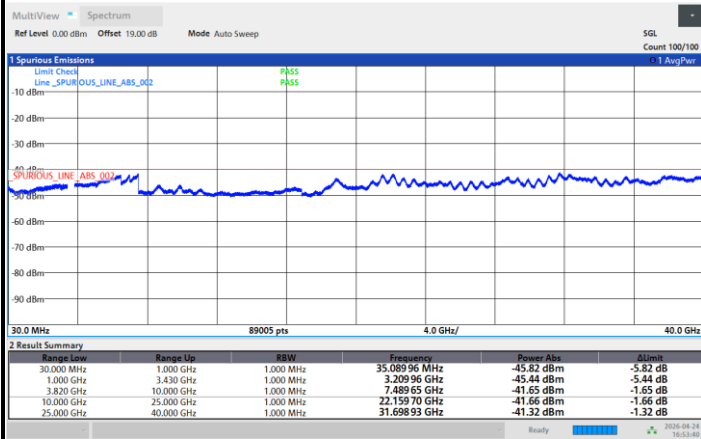
04:49:35 PM 04/24/2026

Middle Channel



04:51:38 PM 04/24/2026

Highest Channel



04:53:41 PM 04/24/2026

Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0038	-13.9	Yes	PASS
40	Normal Voltage	0.0018	-6.7	Yes	
30	Normal Voltage	0.0008	-2.9	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0038	-13.9	Yes	
0	Normal Voltage	0.0000	-0.1	Yes	
-10	Normal Voltage	0.0001	0.2	Yes	
-20	Normal Voltage	0.0039	-14.3	Yes	
-30	Normal Voltage	0.0026	-9.5	Yes	
20	Maximum Voltage	0.0009	-3.3	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0007	-2.7	Yes	

Note:

1. Normal Voltage = 11.6 V. ; Minimum Voltage = 9 V. ; Maximum Voltage = 13.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.



Appendix B. Radiated Spurious Emission Test Data

Test Engineer:	Jack Cheng, Ray Lung	Temperature:	21.1 ~ 25.7°C
		Relative Humidity:	55.8 ~ 63.2%

B1. Summary of each worse mode

Mode	Band	Part	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	NR SA n48	Part 96	H	14725	-49.56	RMS	41.20	-23.27	2.19	-95.23	25.55	-40.00	-9.56	V	3
2	NR SA n48 MIMO	Part 96	M	14465	-49.45	RMS	41.06	-23.00	2.21	-95.23	25.51	-40.00	-9.45	V	3+1
3	NR SA n48 MIMO	Part 96	M	14465	-49.49	RMS	41.06	-23.00	2.21	-95.23	25.47	-40.00	-9.49	H	0+2

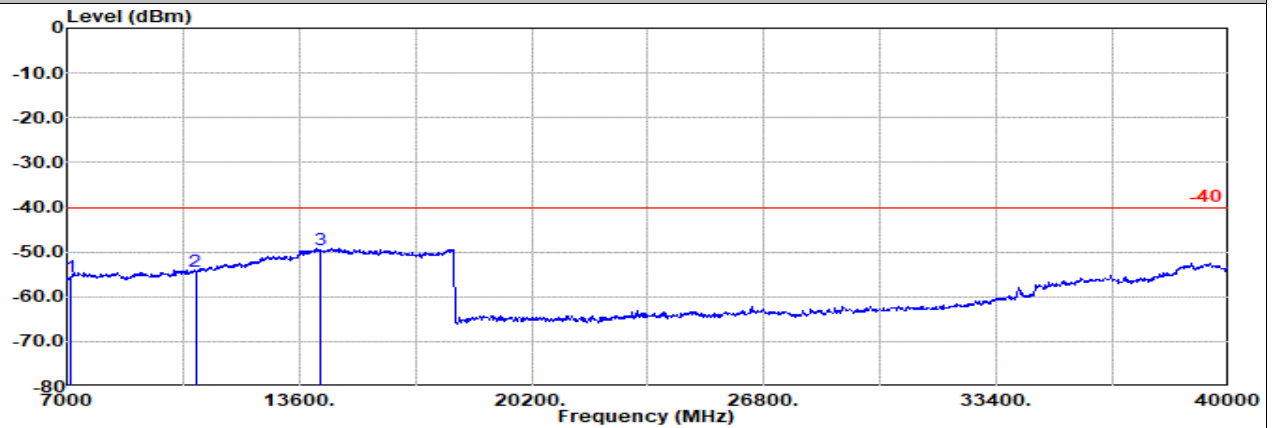


Ant. 3

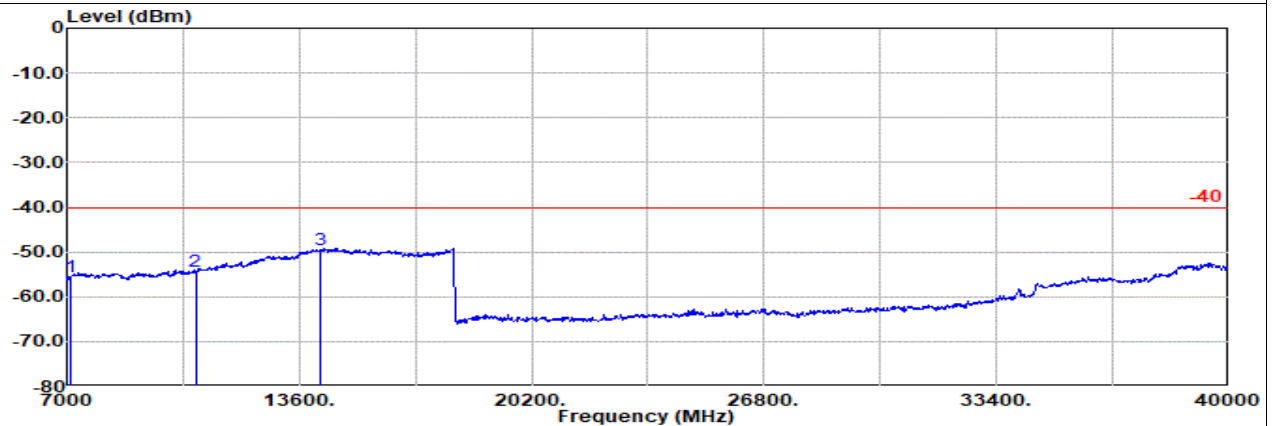
Part 96 Mode 1

NR SA n48 20M Ch637334 1RB1 BPSK

L



	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7103.00	-55.51	RMS	36.11	-21.50	1.99	-95.23	23.12	-40.00	-15.51	Horizontal
2	10654.00	-54.47	RMS	37.50	-21.79	1.83	-95.23	23.22	-40.00	-14.47	Horizontal
3	14205.00	-49.64	RMS	41.00	-22.60	2.22	-95.23	24.97	-40.00	-9.64	Horizontal



	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7103.00	-55.59	RMS	36.11	-21.50	1.99	-95.23	23.04	-40.00	-15.59	Vertical
2	10654.00	-54.31	RMS	37.50	-21.79	1.83	-95.23	23.38	-40.00	-14.31	Vertical
3	14205.00	-49.58	RMS	41.00	-22.60	2.22	-95.23	25.03	-40.00	-9.58	Vertical

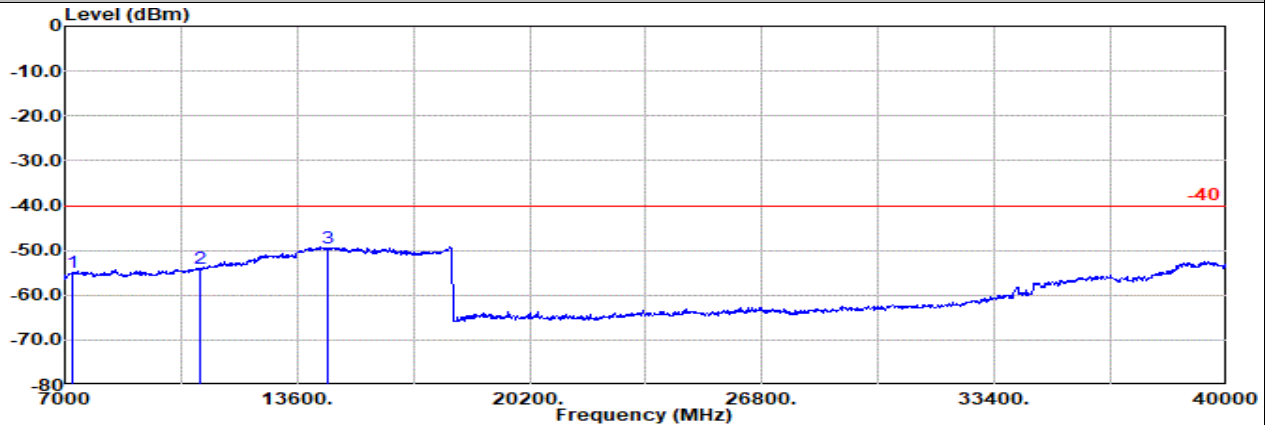


Ant. 3

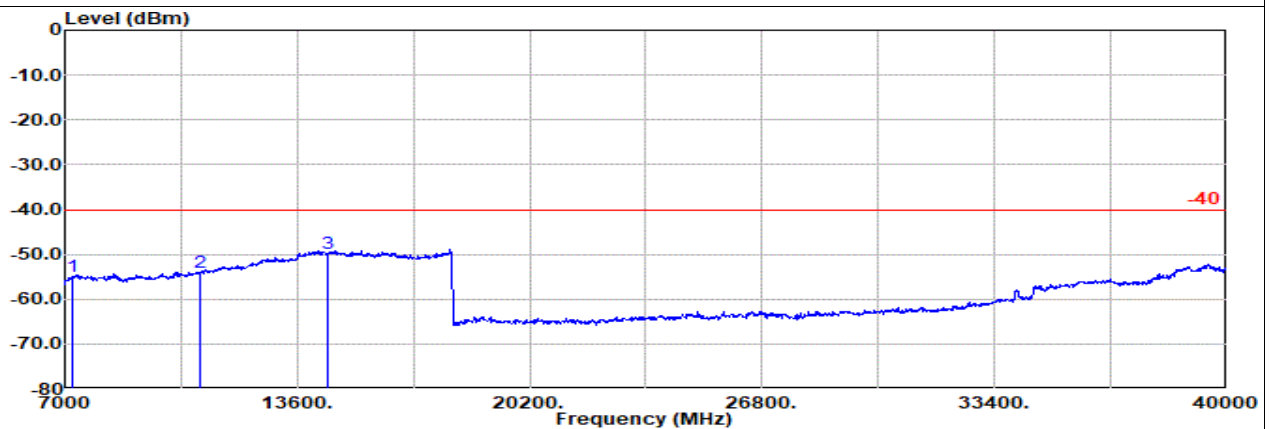
Part 96 Mode 1

NR SA n48 20M Ch641666 1RB1 BPSK

M



	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	7233.00	-55.00	RMS	36.40	-21.39	1.99	-95.23	23.23	-40.00	-15.00 Horizontal
2	10849.00	-53.96	RMS	37.60	-21.75	1.86	-95.23	23.56	-40.00	-13.96 Horizontal
3	14465.00	-49.57	RMS	41.06	-23.00	2.21	-95.23	25.39	-40.00	-9.57 Horizontal



	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	7233.00	-55.05	RMS	36.40	-21.39	1.99	-95.23	23.18	-40.00	-15.05 Vertical
2	10849.00	-53.95	RMS	37.60	-21.75	1.86	-95.23	23.57	-40.00	-13.95 Vertical
3	14465.00	-49.67	RMS	41.06	-23.00	2.21	-95.23	25.29	-40.00	-9.67 Vertical

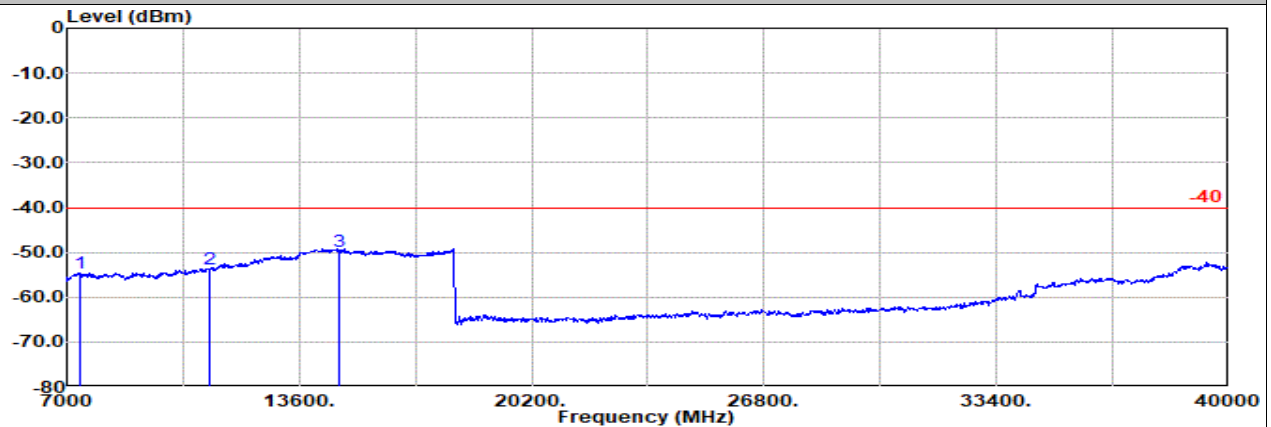


Ant. 3

Part 96 Mode 1

NR SA n48 20M Ch646000 1RB1 BPSK

H

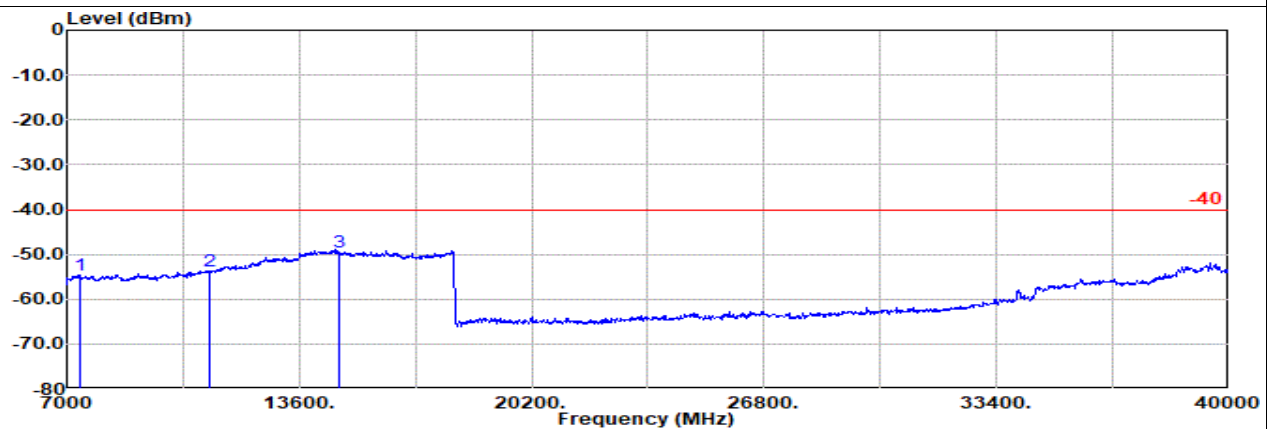


Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1			g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7363.00	-54.69	RMS	36.90	-21.29	1.76	-95.23	23.17	-40.00	-14.69	Horizontal
2	11044.00	-53.70	RMS	37.78	-21.71	1.90	-95.23	23.56	-40.00	-13.70	Horizontal
3	14725.00	-49.93	RMS	41.20	-23.27	2.19	-95.23	25.18	-40.00	-9.93	Horizontal



Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_250807 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7363.00	-54.75	RMS	36.90	-21.29	1.76	-95.23	23.11	-40.00	-14.75	Vertical
2	11044.00	-53.67	RMS	37.78	-21.71	1.90	-95.23	23.59	-40.00	-13.67	Vertical
3	14725.00	-49.56	RMS	41.20	-23.27	2.19	-95.23	25.55	-40.00	-9.56	Vertical

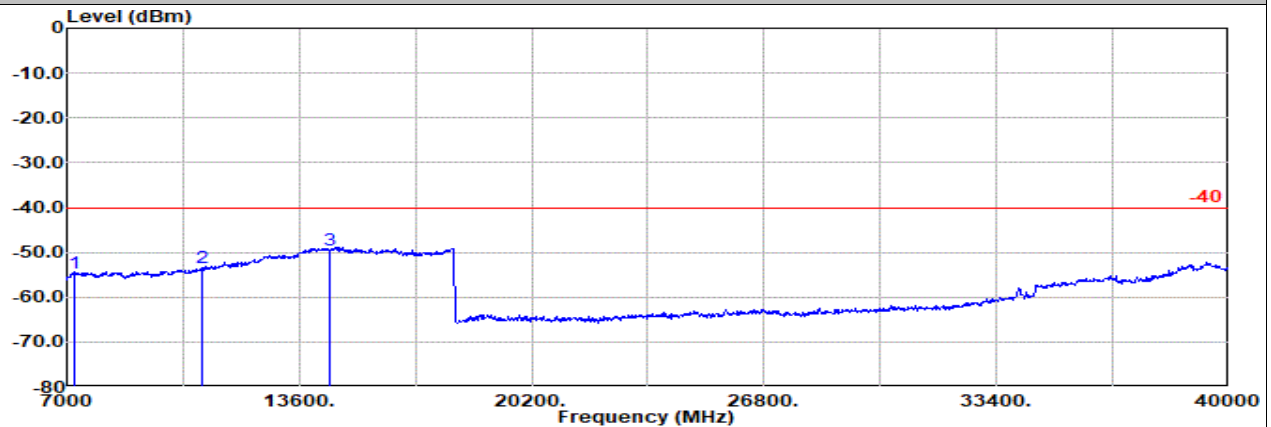


Ant. 3+1

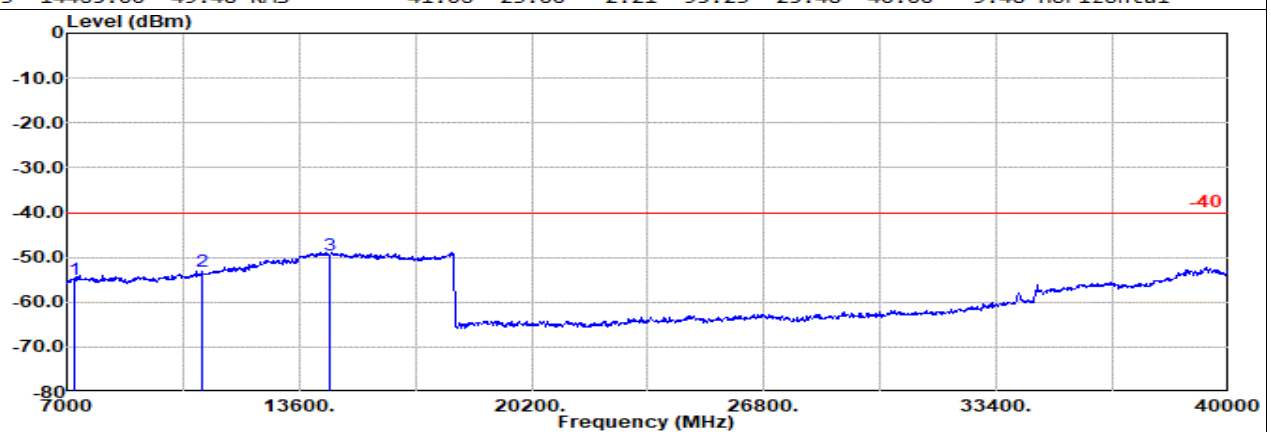
Part 96 Mode 2

NR SA n48 MIMO 20M Ch641666 1RB1 QPSK

M



	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	7233.00	-54.58	RMS	36.40	-21.39	1.99	-95.23	23.65	-40.00	-14.58 Horizontal
2	10849.00	-53.55	RMS	37.60	-21.75	1.86	-95.23	23.97	-40.00	-13.55 Horizontal
3	14465.00	-49.48	RMS	41.06	-23.00	2.21	-95.23	25.48	-40.00	-9.48 Horizontal



	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	7233.00	-54.90	RMS	36.40	-21.39	1.99	-95.23	23.33	-40.00	-14.90 Vertical
2	10849.00	-53.21	RMS	37.60	-21.75	1.86	-95.23	24.31	-40.00	-13.21 Vertical
3	14465.00	-49.45	RMS	41.06	-23.00	2.21	-95.23	25.51	-40.00	-9.45 Vertical



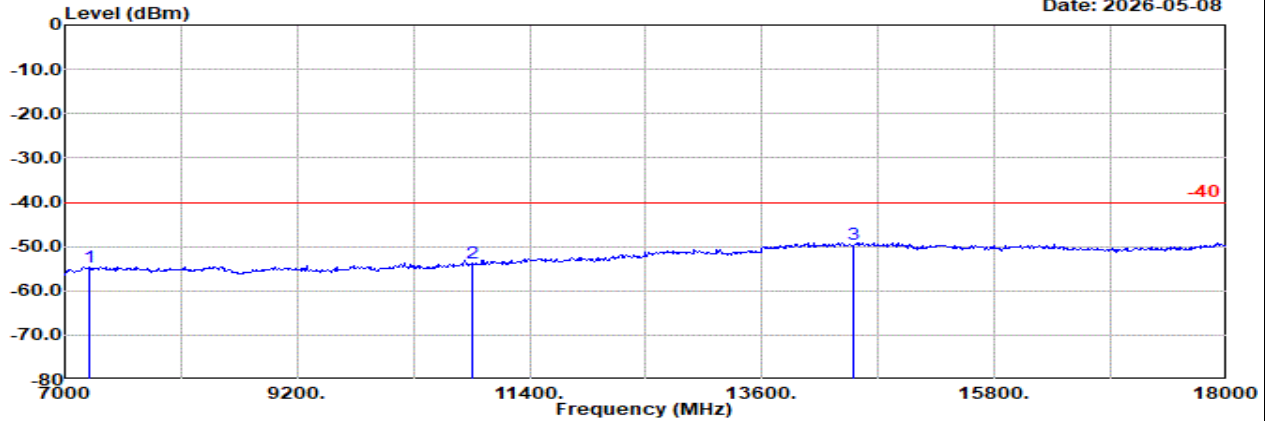
Ant. 0+2

Part 96 Mode 3

NR SA n48 MIMO 20M Ch641666 1RB1 QPSK

M

Date: 2026-05-08

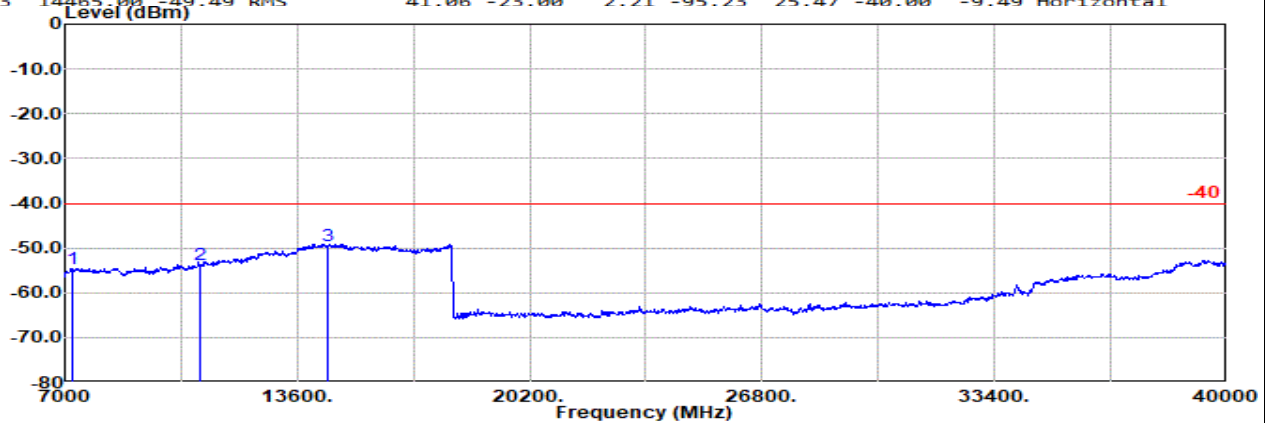


Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: SA n48 20M Ch641666 1RB1 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	7233.00	-54.63	RMS	36.40	-21.39	1.99	-95.23	23.60	-40.00	-14.63	Horizontal
2	10849.00	-53.70	RMS	37.60	-21.75	1.86	-95.23	23.82	-40.00	-13.70	Horizontal
3	14465.00	-49.49	RMS	41.06	-23.00	2.21	-95.23	25.47	-40.00	-9.49	Horizontal

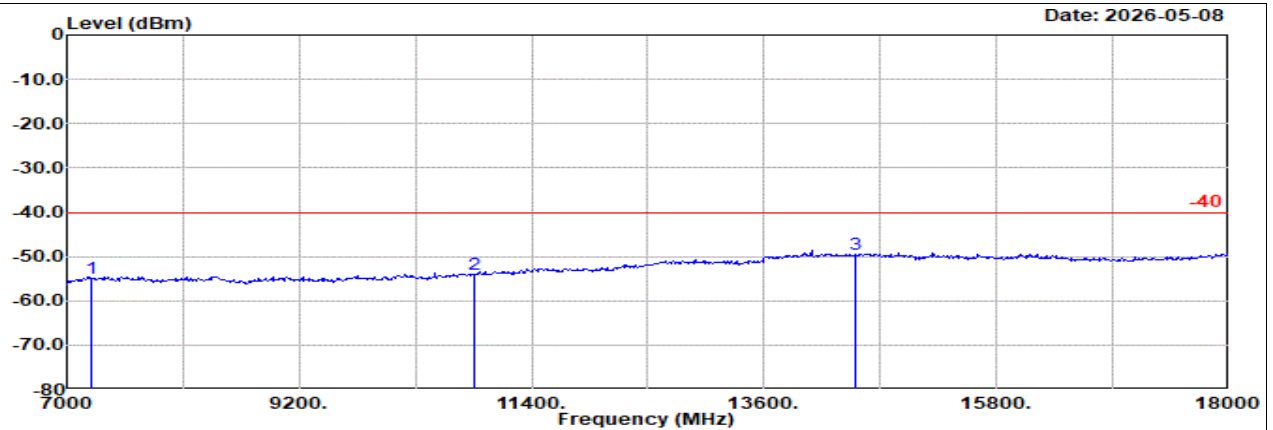


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_250702 Horizontal

: SA n48 20M Ch641666 1RB1 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	7233.00	-54.63	RMS	36.40	-21.39	1.99	-95.23	23.60	-40.00	-14.63	Horizontal
2	10849.00	-53.70	RMS	37.60	-21.75	1.86	-95.23	23.82	-40.00	-13.70	Horizontal
3	14465.00	-49.49	RMS	41.06	-23.00	2.21	-95.23	25.47	-40.00	-9.49	Horizontal

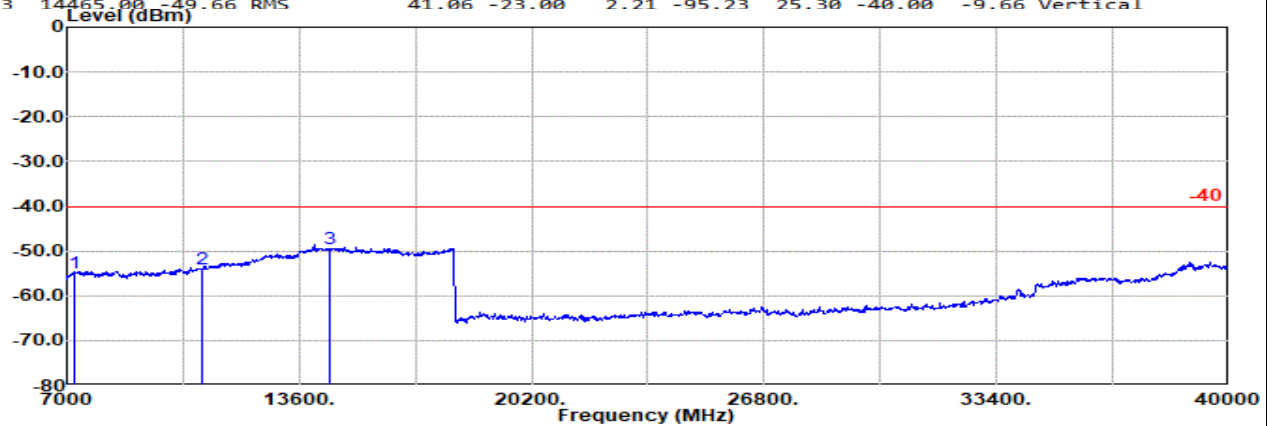


Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_250807 Vertical

: SA n48 20M Ch641666 1RB1 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	7233.00	-55.02	RMS	36.40	-21.39	1.99	-95.23	23.21	-40.00	-15.02	Vertical	
2	10849.00	-53.89	RMS	37.60	-21.75	1.86	-95.23	23.63	-40.00	-13.89	Vertical	
3	14465.00	-49.66	RMS	41.06	-23.00	2.21	-95.23	25.30	-40.00	-9.66	Vertical	



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_250702 Vertical

: SA n48 20M Ch641666 1RB1 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	7233.00	-55.02	RMS	36.40	-21.39	1.99	-95.23	23.21	-40.00	-15.02	Vertical	
2	10849.00	-53.89	RMS	37.60	-21.75	1.86	-95.23	23.63	-40.00	-13.89	Vertical	
3	14465.00	-49.66	RMS	41.06	-23.00	2.21	-95.23	25.30	-40.00	-9.66	Vertical	

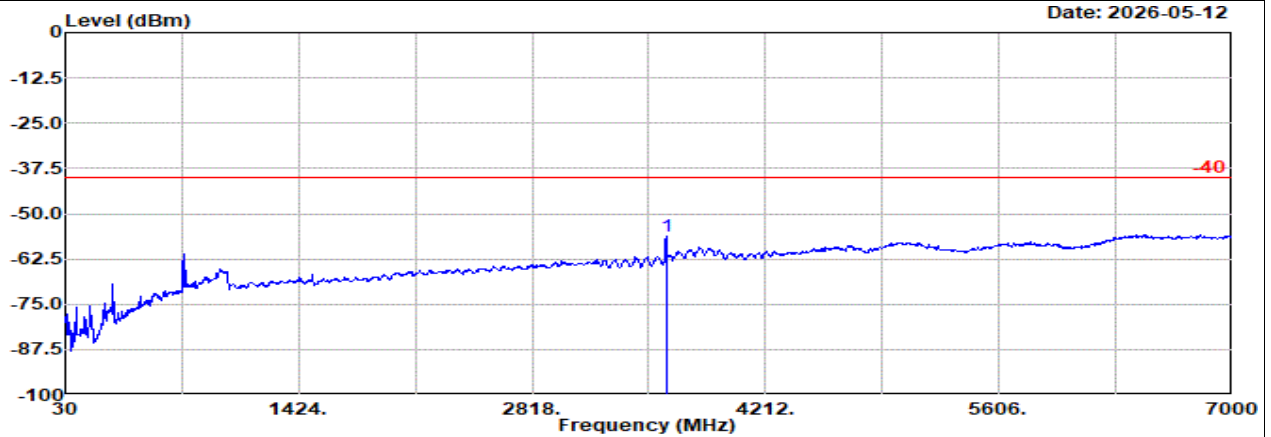


Ant. 3+1

Part 96 Mode 2

NR SA n48 MIMO 20M Ch641666 1RB1 QPSK

M



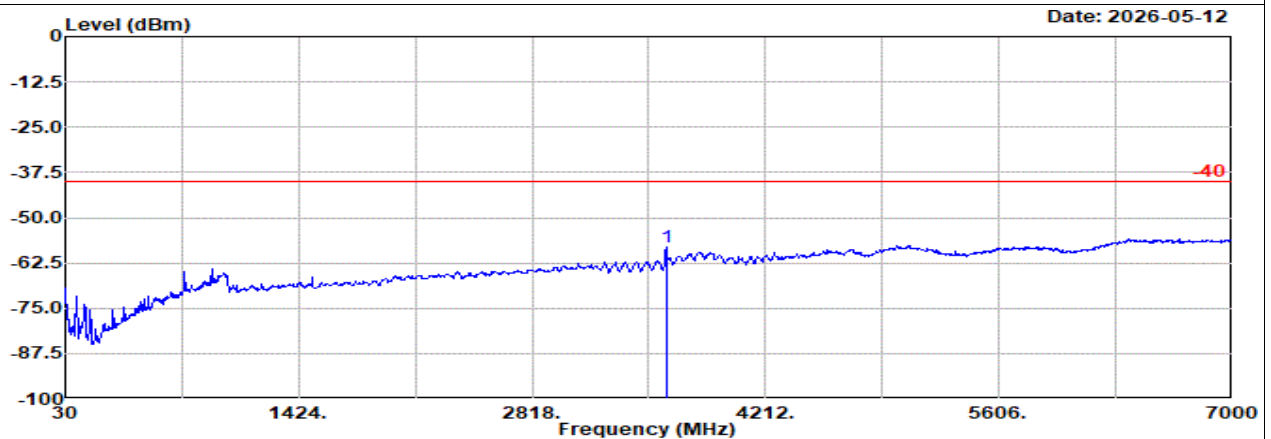
Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: SA n48 20M Ch641666 1RB1 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3625.00	-56.38	RMS	29.30	-23.92	1.92	-95.23	31.55	-40.00	-16.38 Horizontal



Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_250807 Vertical

: SA n48 20M Ch641666 1RB1 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3625.00	-57.94	RMS	29.30	-23.92	1.92	-95.23	29.99	-40.00	-17.94 Vertical