

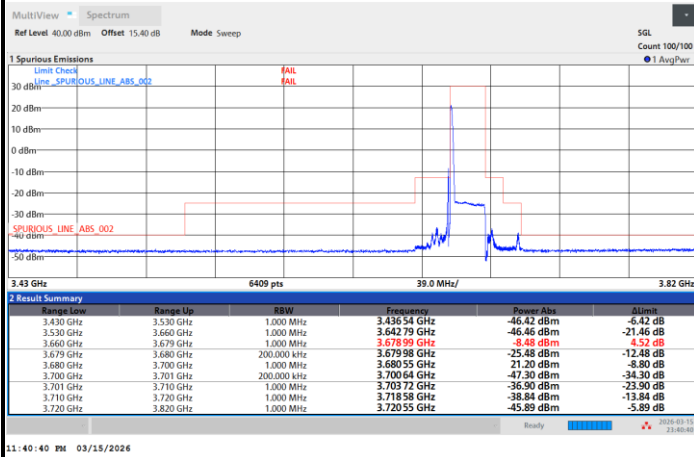


FR1 n48 / 20MHz / DFT-S OFDM / QPSK

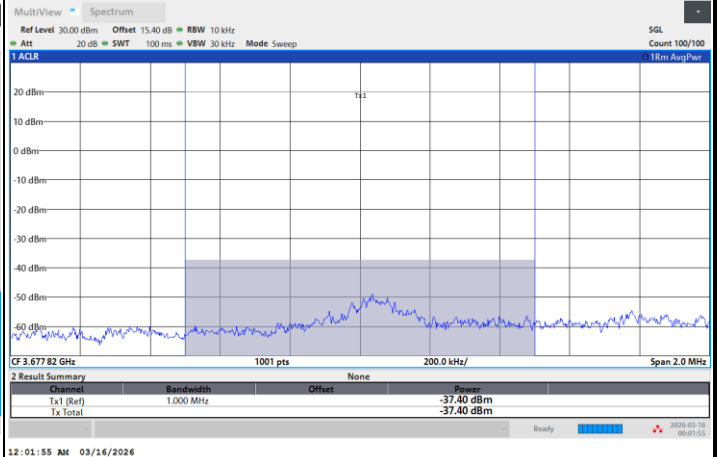
Highest Channel

1RB0

Channel power -37.4dBm > -13dBm (PASS)



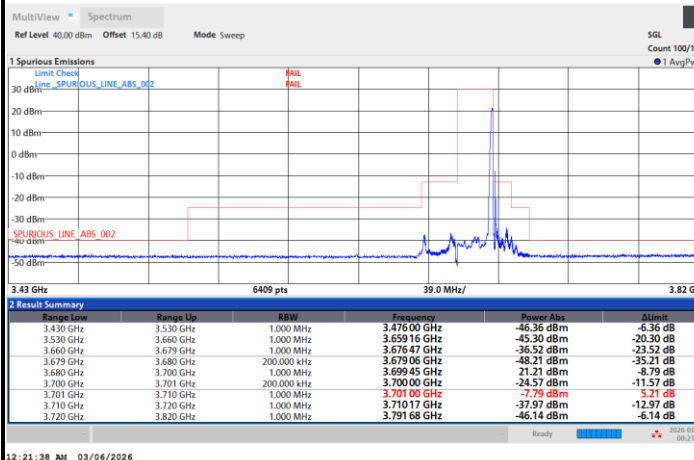
11:40:40 PM 03/15/2026



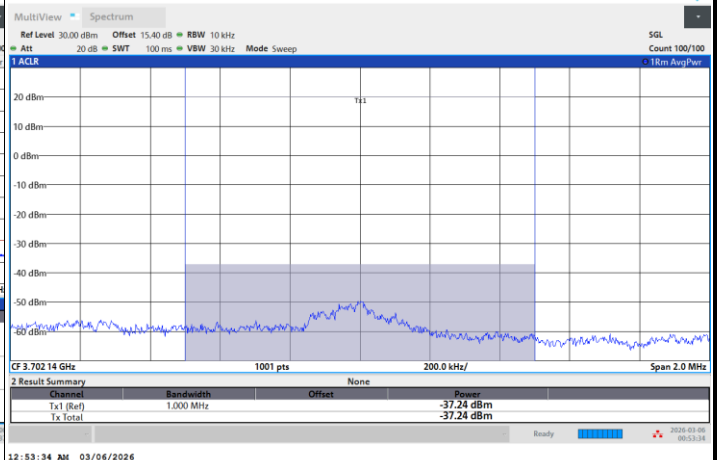
12:01:55 AM 03/16/2026

1RBmax

Channel power -37.24dBm > -13dBm (PASS)



12:21:38 AM 03/06/2026



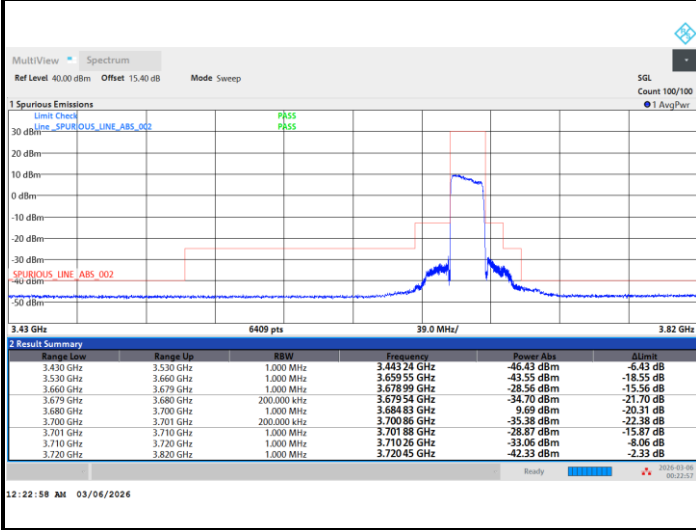
12:53:34 AM 03/06/2026



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

Highest Channel

Full RB



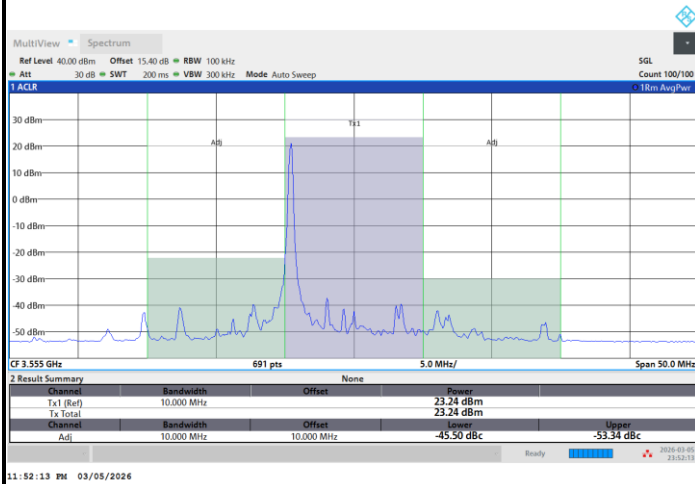


Adjacent Channel Leakage Ratio (ACLR)

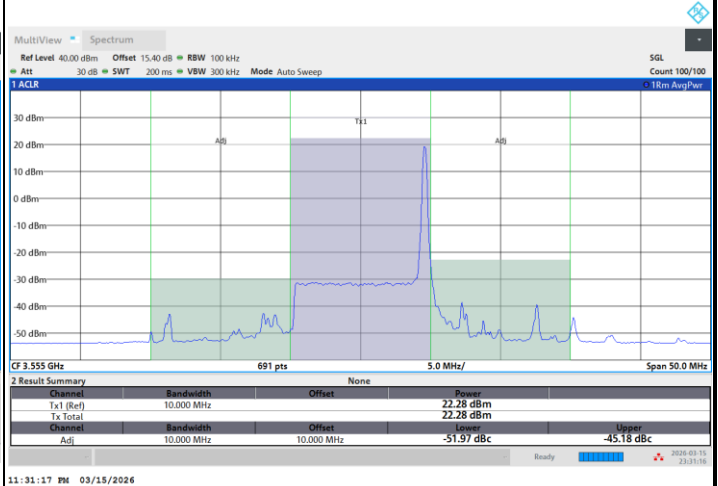
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

1RB0



1RBmax



Full RB





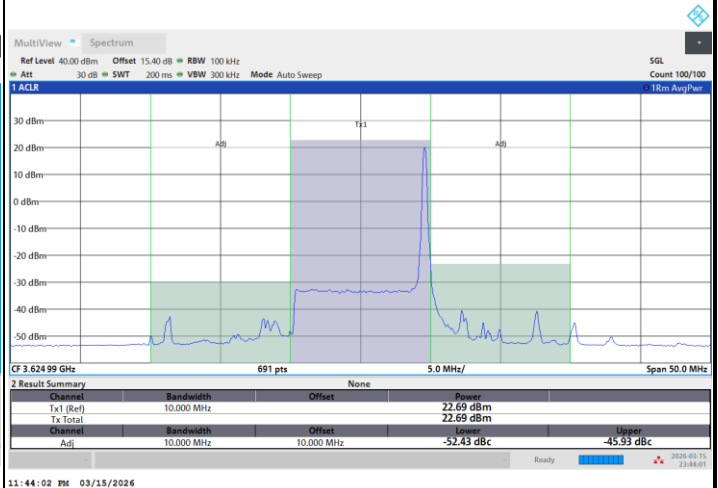
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

1RB0



1RBmax



Full RB

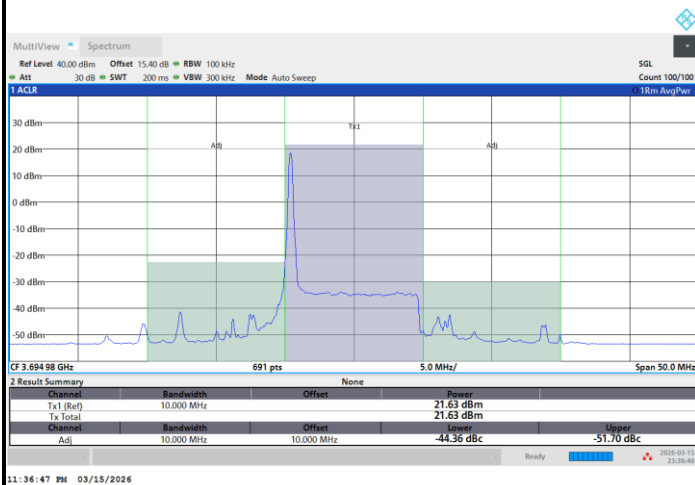




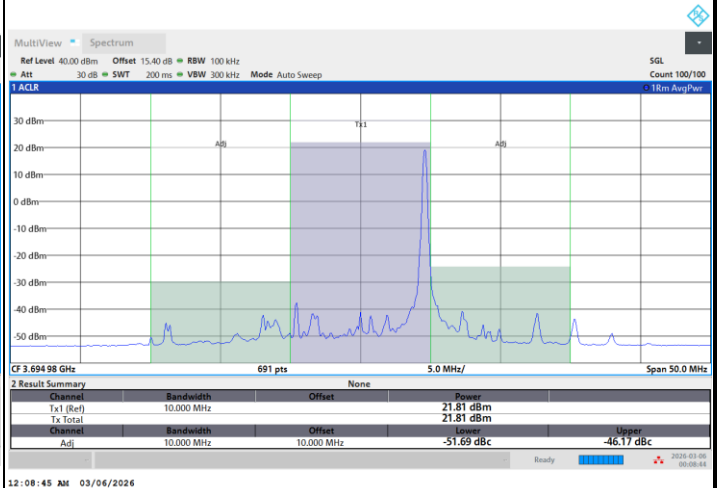
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

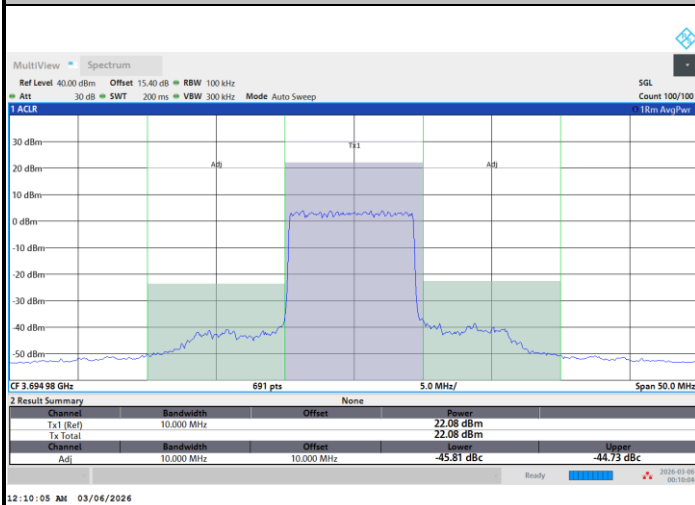
1RB0



1RBmax



Full RB

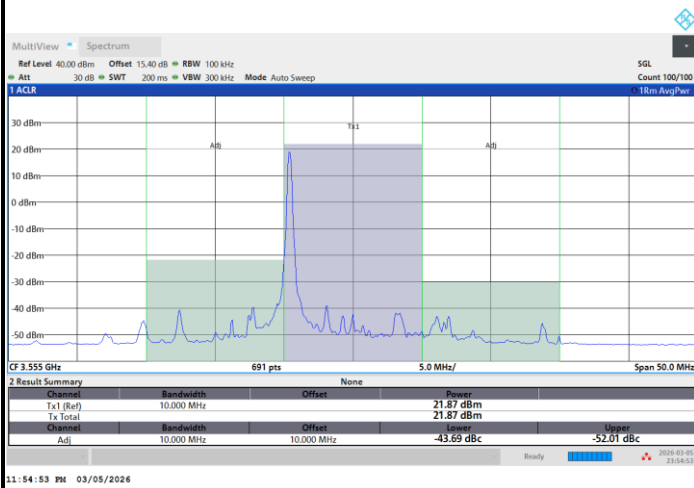




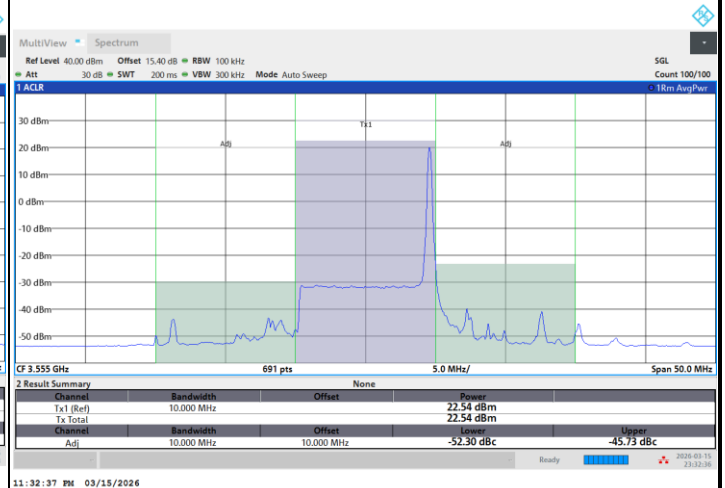
FR1 n48 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel

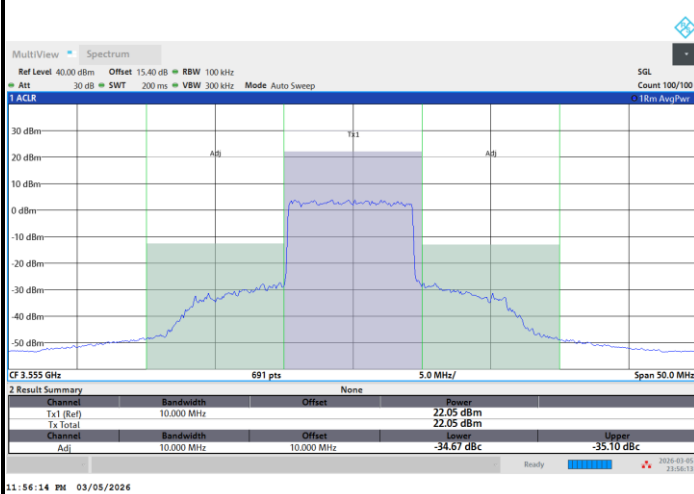
1RB0



1RBmax



Full RB

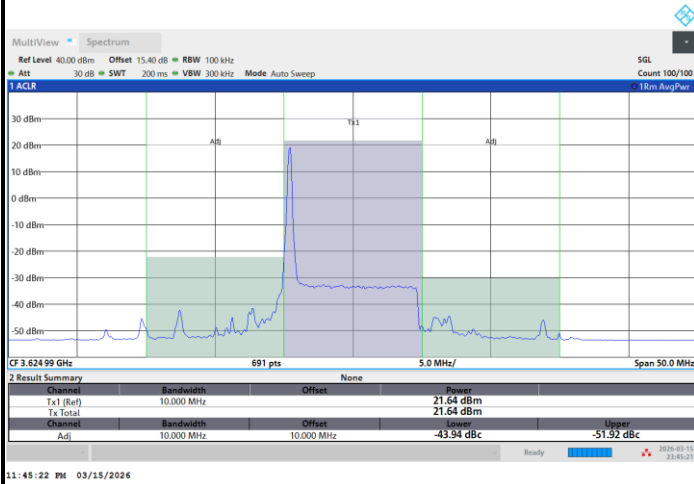




FR1 n48 / 10MHz / DFT-S OFDM / QPSK

Middle Channel

1RB0



1RBmax



Full RB

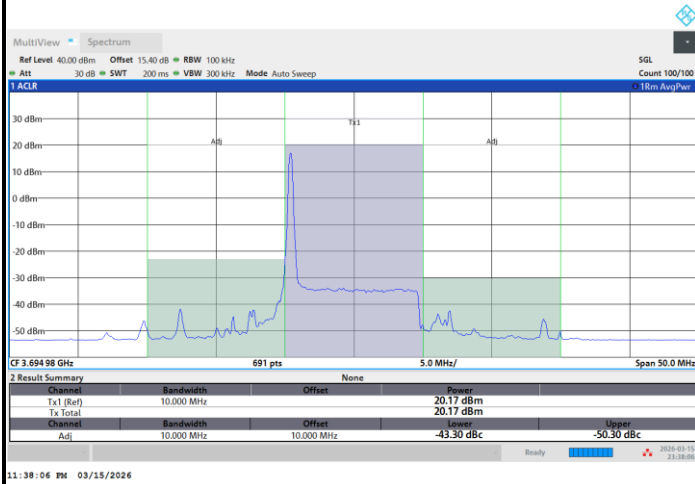




FR1 n48 / 10MHz / DFT-S OFDM / QPSK

Highest Channel

1RB0



1RBmax



Full RB

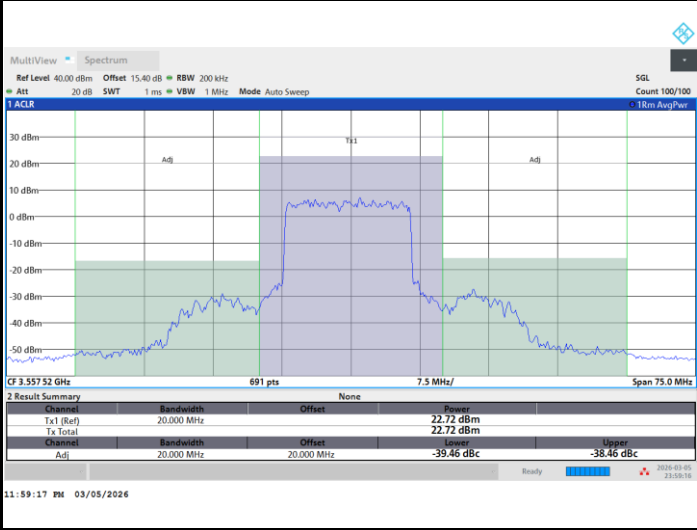




FR1 n48 / 15MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

Full RB

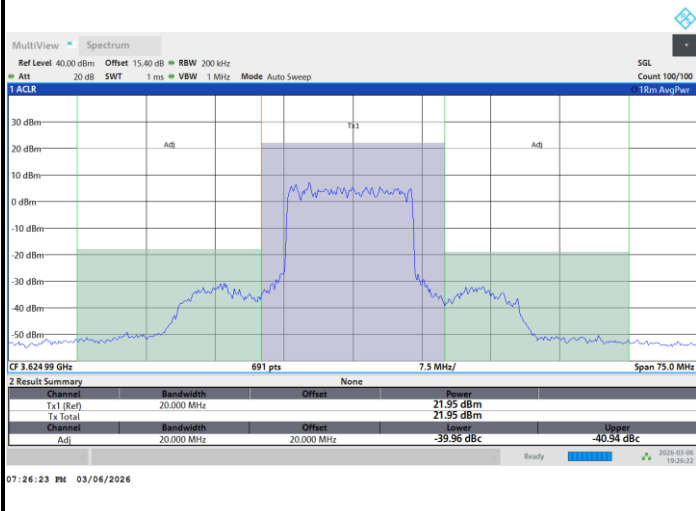




FR1 n48 / 15MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

Full RB

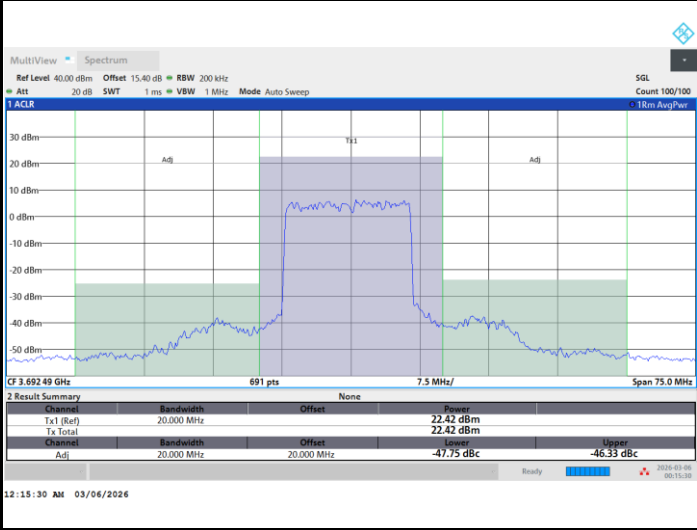


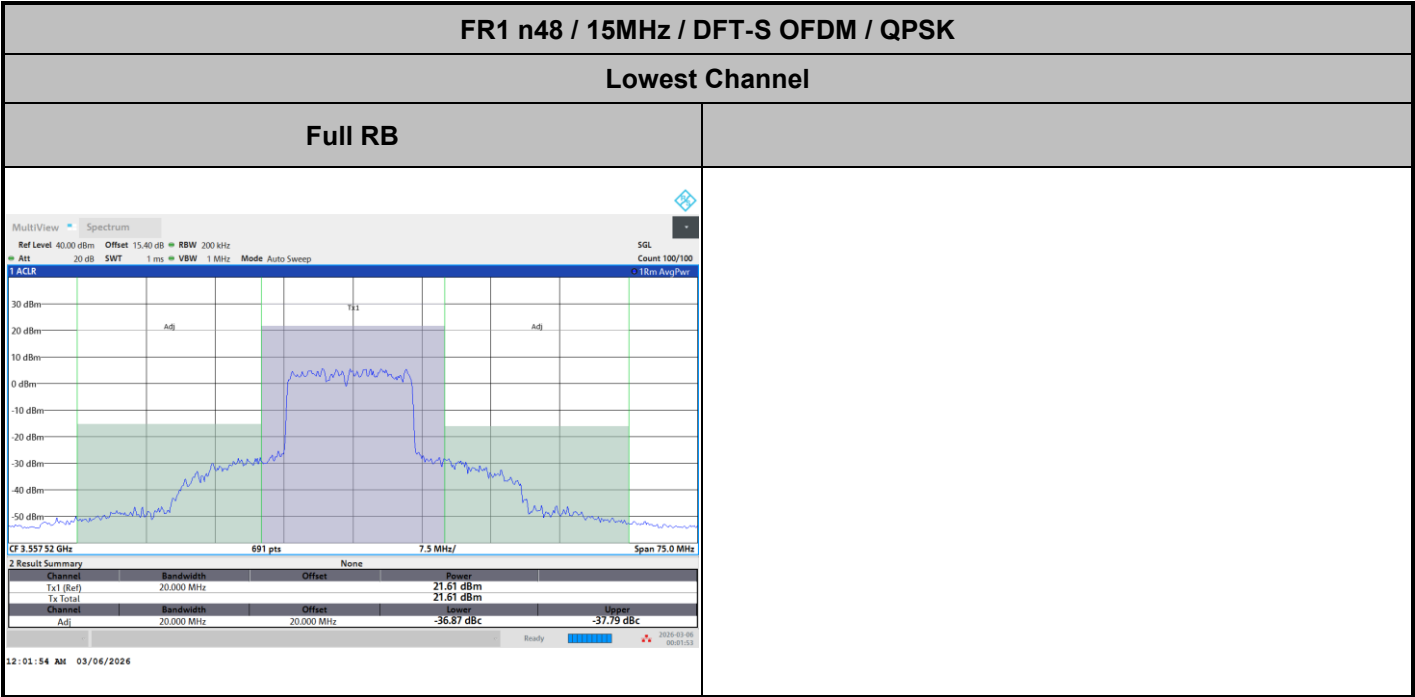


FR1 n48 / 15MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

Full RB



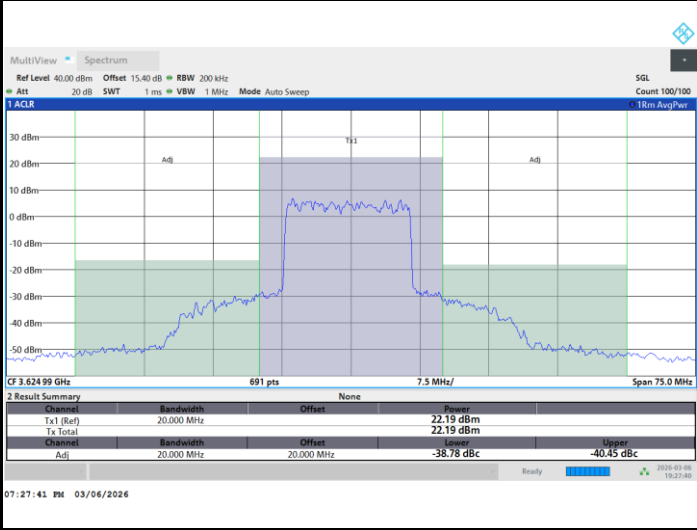




FR1 n48 / 15MHz / DFT-S OFDM / QPSK

Middle Channel

Full RB

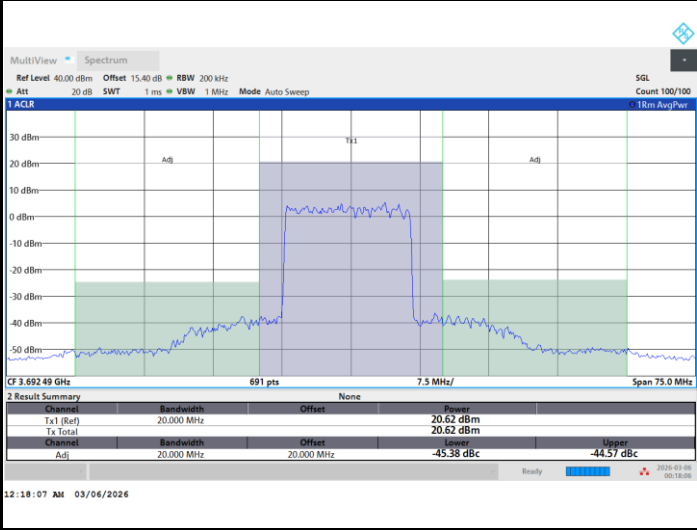




FR1 n48 / 15MHz / DFT-S OFDM / QPSK

Highest Channel

Full RB

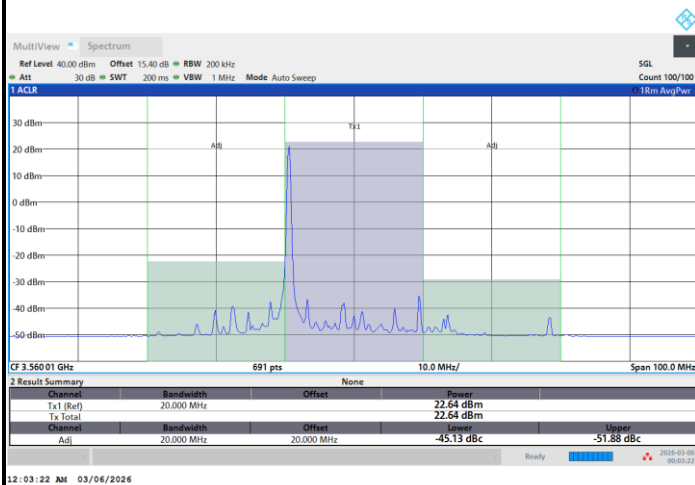




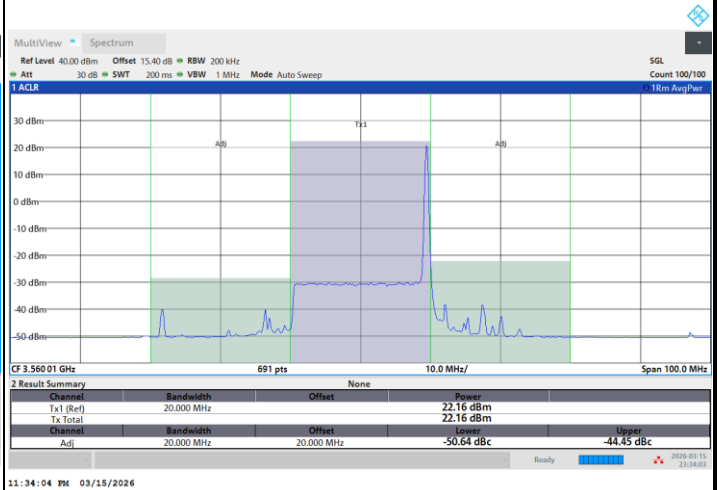
FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

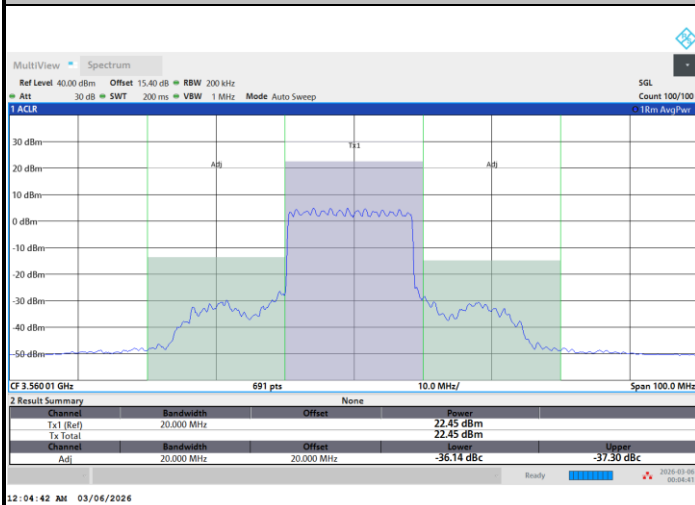
1RB0



1RBmax



Full RB

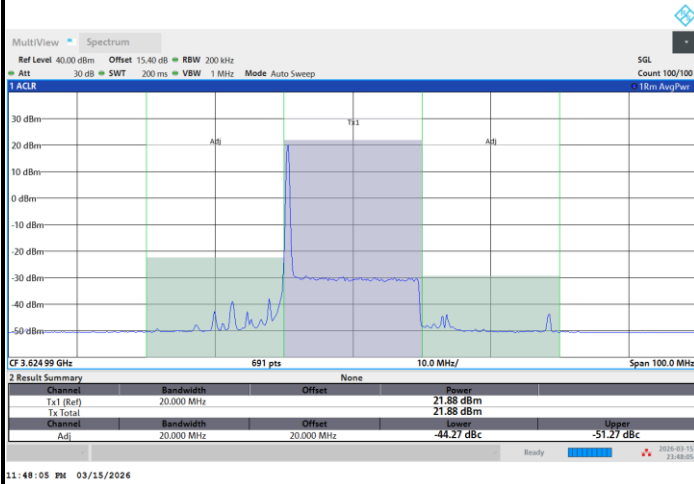




FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

1RB0



1RBmax



Full RB

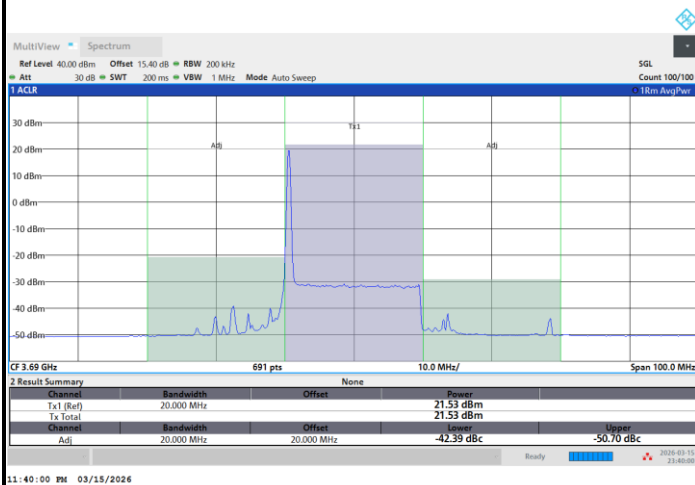




FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

1RB0



1RBmax



Full RB

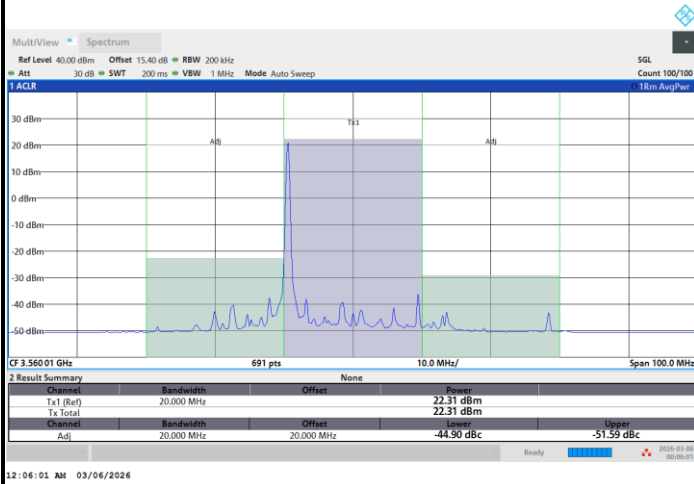




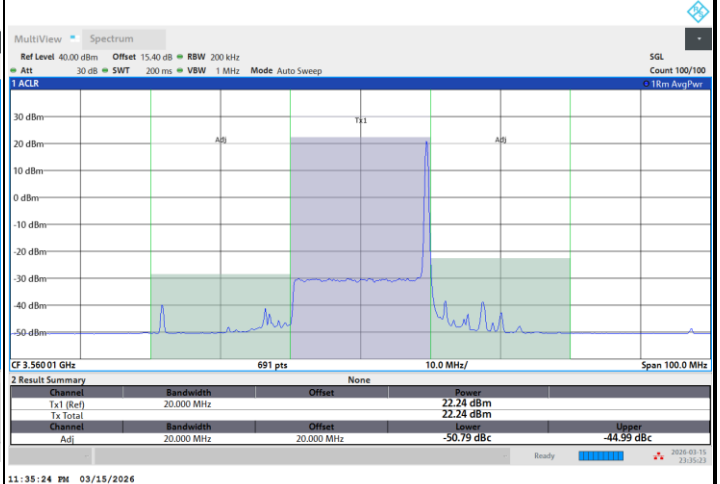
FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel

1RB0



1RBmax



Full RB

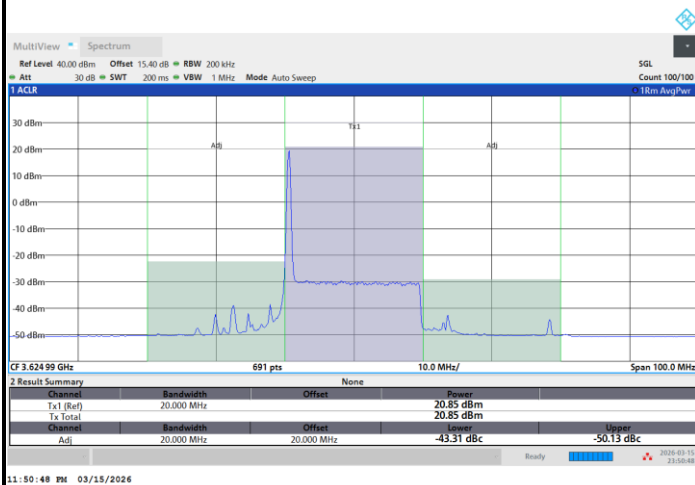




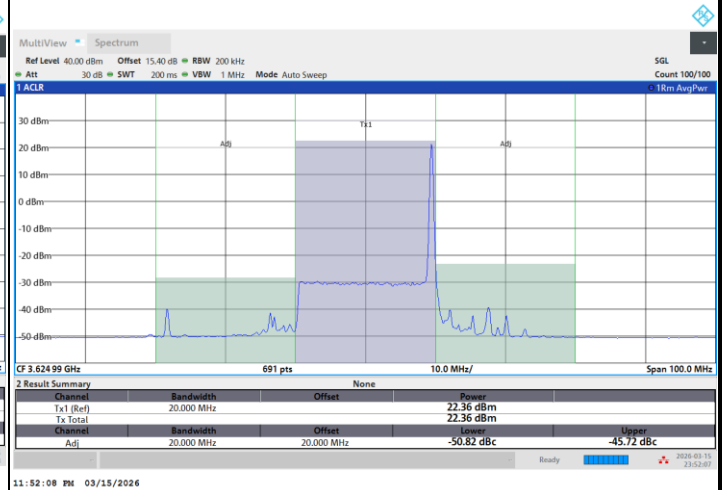
FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Middle Channel

1RB0



1RBmax



Full RB

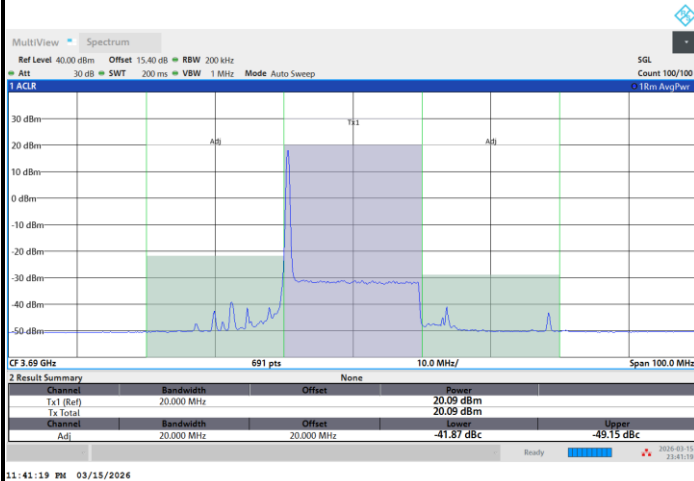




FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Highest Channel

1RB0



1RBmax



Full RB

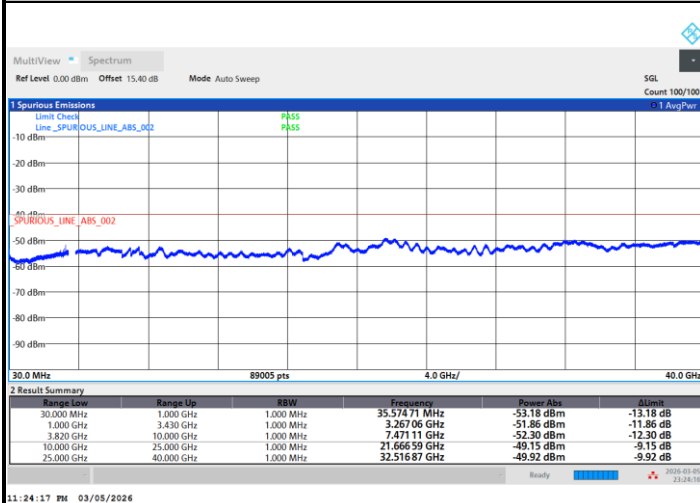




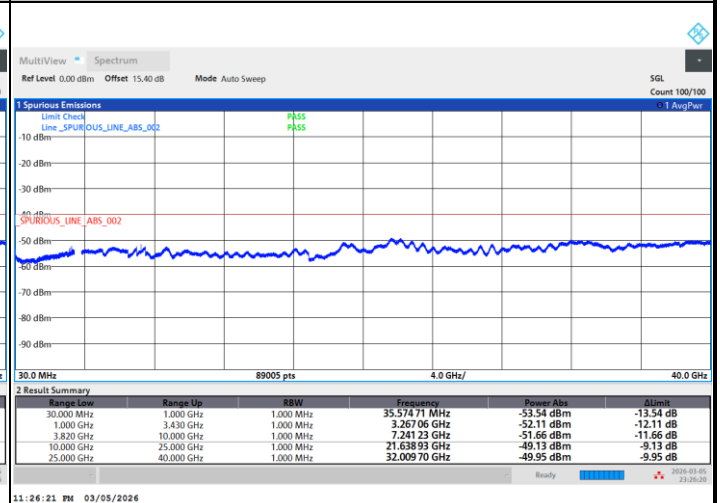
Conducted Spurious Emission

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

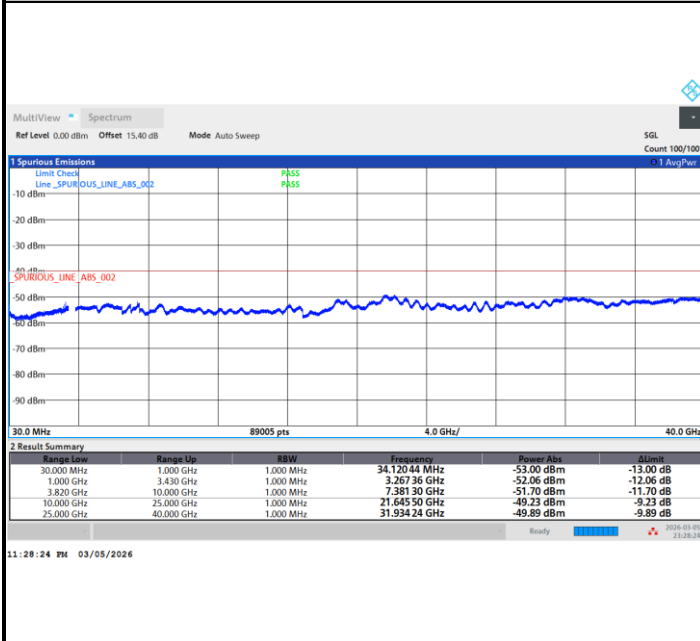
Lowest Channel



Middle Channel



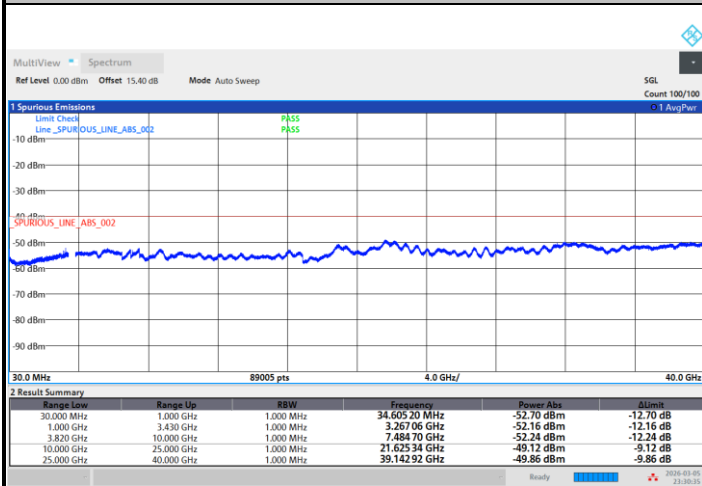
Highest Channel





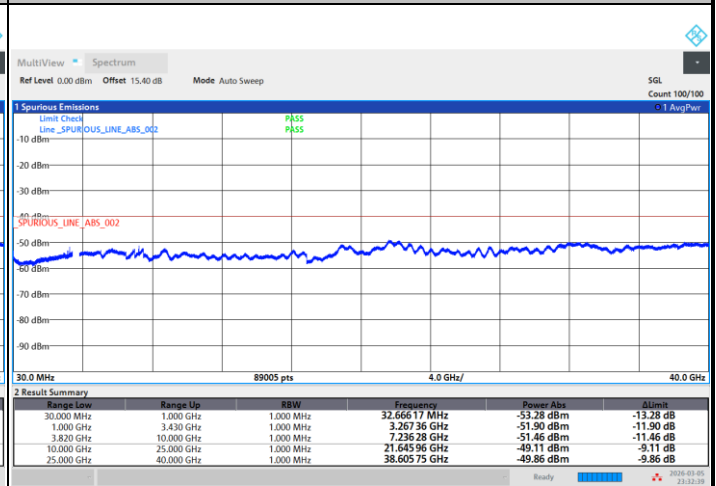
FR1 n48 / 15MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



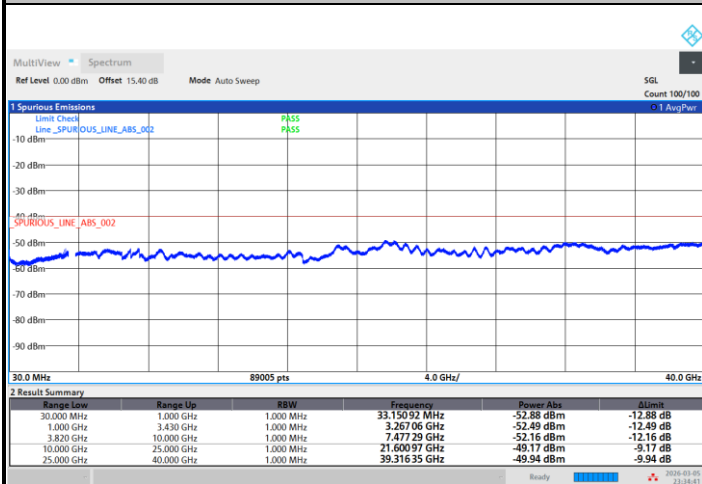
11:30:36 PM 03/05/2026

Middle Channel



11:32:39 PM 03/05/2026

Highest Channel

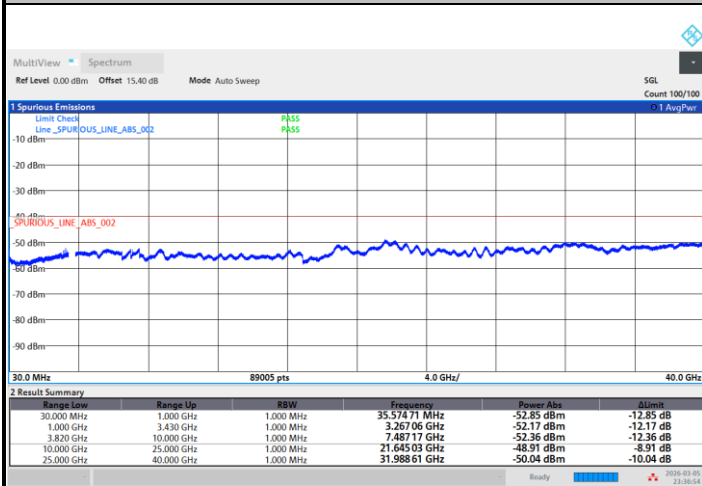


11:34:42 PM 03/05/2026



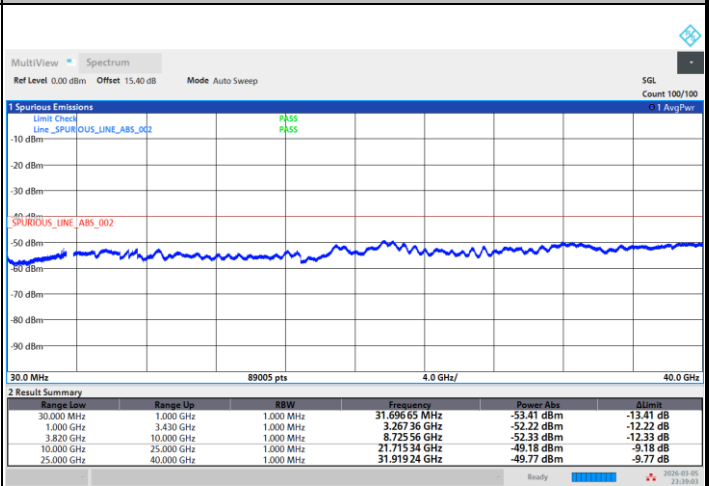
FR1 n48 / 20MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



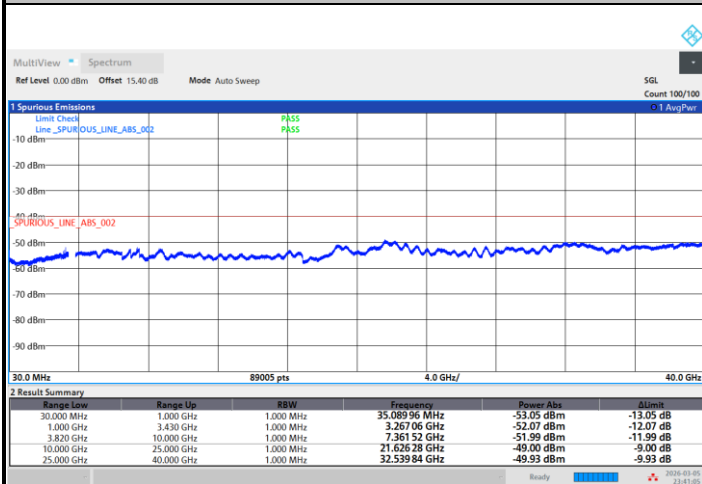
11:36:54 PM 03/05/2026

Middle Channel



11:39:03 PM 03/05/2026

Highest Channel



11:41:06 PM 03/05/2026

Frequency Stability

Test Conditions		FR1 n48 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0001	0.3	Yes	PASS
40	Normal Voltage	0.0018	6.7	Yes	
30	Normal Voltage	0.0002	-0.8	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0001	0.3	Yes	
0	Normal Voltage	0.0029	-10.4	Yes	
-10	Normal Voltage	0.0021	-7.6	Yes	
-20	Normal Voltage	0.0019	7	Yes	
-30	Normal Voltage	0.0024	-8.6	Yes	
20	Maximum Voltage	0.0004	1.4	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0005	-1.7	Yes	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 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. Test Results of Radiated Test

B1. Summary of each worse mode

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
2	NR RedCap n48	Part 96	H	7362	-51.90	RMS	36.53	-52.13	0.95	-95.23	57.98	-40.00	-11.90	V	0

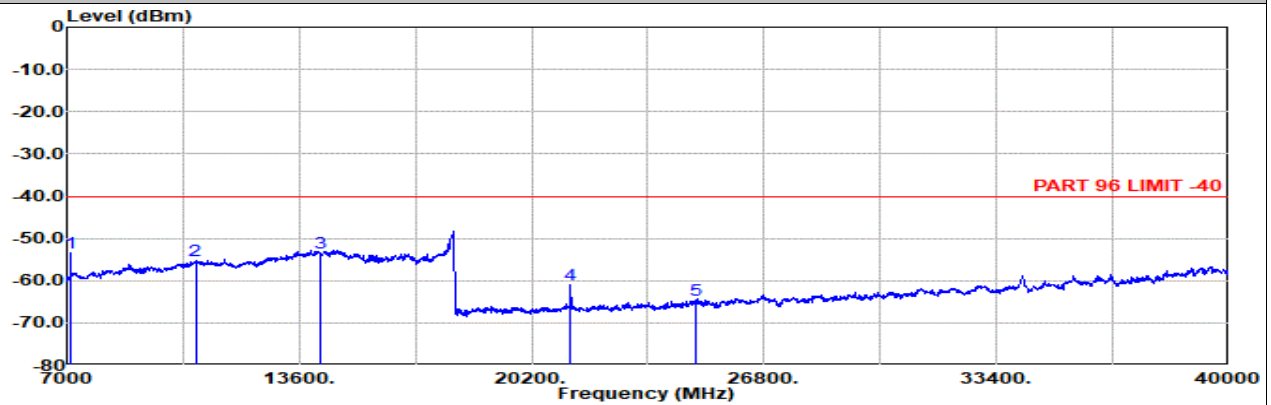


Ant. 0

Part 96 Mode 2

NR RedCap n48 20M Ch637334 1RB1 BPSK

L

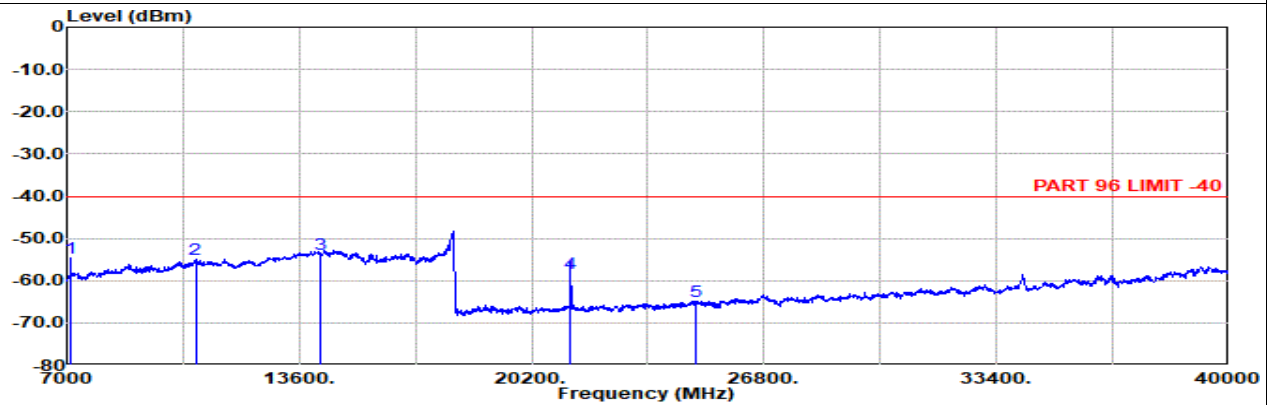


Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1224_250702 Horizontal

: SA n48 20M Ch637334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	7102.00	-53.52	RMS	36.11	-52.26	1.11	-95.23	56.75	-40.00	-13.52	Horizontal
2	10653.00	-55.33	RMS	38.99	-50.13	0.92	-95.23	50.12	-40.00	-15.33	Horizontal
3	14205.00	-53.58	RMS	40.79	-46.89	0.61	-95.23	47.14	-40.00	-13.58	Horizontal
4	21304.00	-61.10	RMS	38.10	-48.90	-9.54	-95.23	54.47	-40.00	-21.10	Horizontal
5	24856.00	-64.74	RMS	39.70	-46.88	-9.54	-95.23	47.21	-40.00	-24.74	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1224_250702 Vertical

: SA n48 20M Ch637334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	7102.00	-54.54	RMS	36.11	-52.26	1.11	-95.23	55.73	-40.00	-14.54	Vertical
2	10653.00	-54.83	RMS	38.99	-50.13	0.92	-95.23	50.62	-40.00	-14.83	Vertical
3	14205.00	-53.65	RMS	40.79	-46.89	0.61	-95.23	47.07	-40.00	-13.65	Vertical
4	21304.00	-58.26	RMS	38.10	-48.90	-9.54	-95.23	57.31	-40.00	-18.26	Vertical
5	24856.00	-64.96	RMS	39.70	-46.88	-9.54	-95.23	46.99	-40.00	-24.96	Vertical

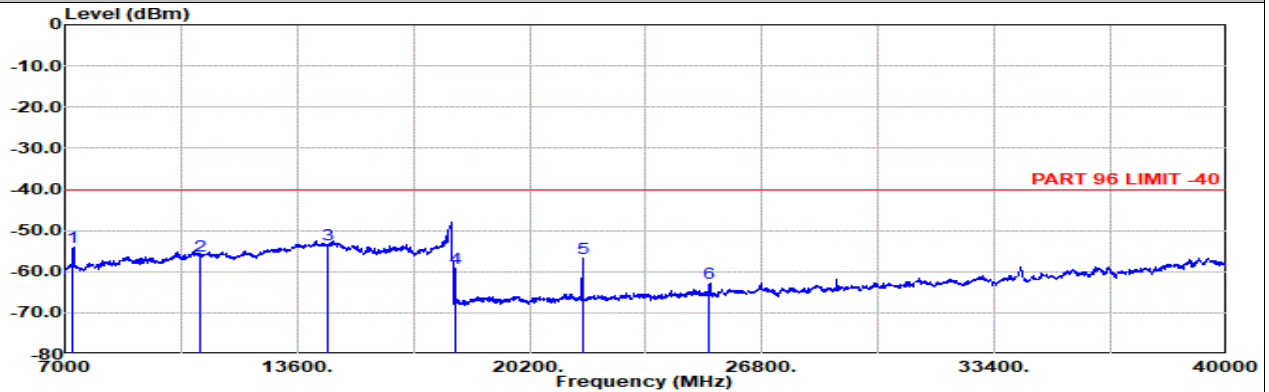


Ant. 0

Part 96 Mode 2

NR RedCap n48 20M Ch641666 1RB1 BPSK

M

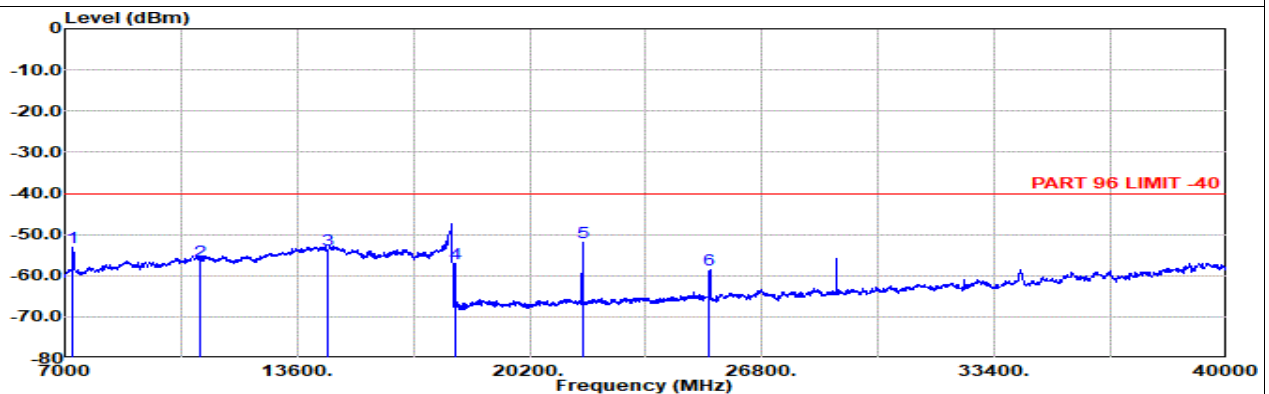


Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1224_250702 Horizontal

: SA n48 20M Ch641666 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-54.03 RMS	36.66	-52.20	0.93	-95.23	55.81	-40.00	-14.03	Horizontal
2	10848.00	-56.10 RMS	38.81	-49.64	0.89	-95.23	49.07	-40.00	-16.10	Horizontal
3	14465.00	-53.44 RMS	40.36	-47.03	0.62	-95.23	47.84	-40.00	-13.44	Horizontal
4	18080.00	-59.17 RMS	37.68	-50.26	-9.54	-95.23	58.18	-40.00	-19.17	Horizontal
5	21696.00	-56.73 RMS	38.20	-48.80	-9.54	-95.23	58.64	-40.00	-16.73	Horizontal
6	25312.00	-62.66 RMS	39.62	-46.91	-9.54	-95.23	49.40	-40.00	-22.66	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1224_250702 Vertical

: SA n48 20M Ch641666 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-53.08 RMS	36.66	-52.20	0.93	-95.23	56.76	-40.00	-13.08	Vertical
2	10848.00	-56.32 RMS	38.81	-49.64	0.89	-95.23	48.85	-40.00	-16.32	Vertical
3	14465.00	-53.63 RMS	40.36	-47.03	0.62	-95.23	47.65	-40.00	-13.63	Vertical
4	18080.00	-57.06 RMS	37.68	-50.26	-9.54	-95.23	60.29	-40.00	-17.06	Vertical
5	21696.00	-52.03 RMS	38.20	-48.80	-9.54	-95.23	63.34	-40.00	-12.03	Vertical
6	25312.00	-58.70 RMS	39.62	-46.91	-9.54	-95.23	53.36	-40.00	-18.70	Vertical

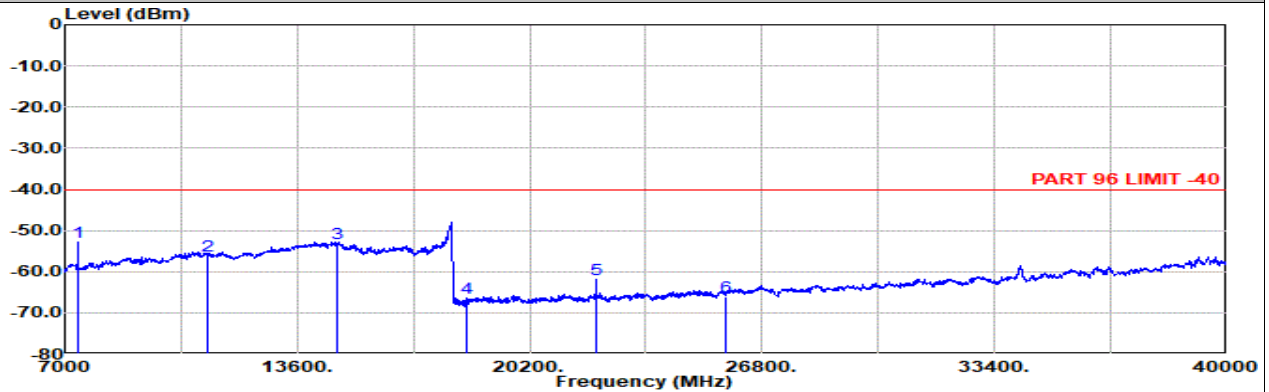


Ant. 0

Part 96 Mode 2

NR RedCap n48 20M Ch646000 1RB1 BPSK

H

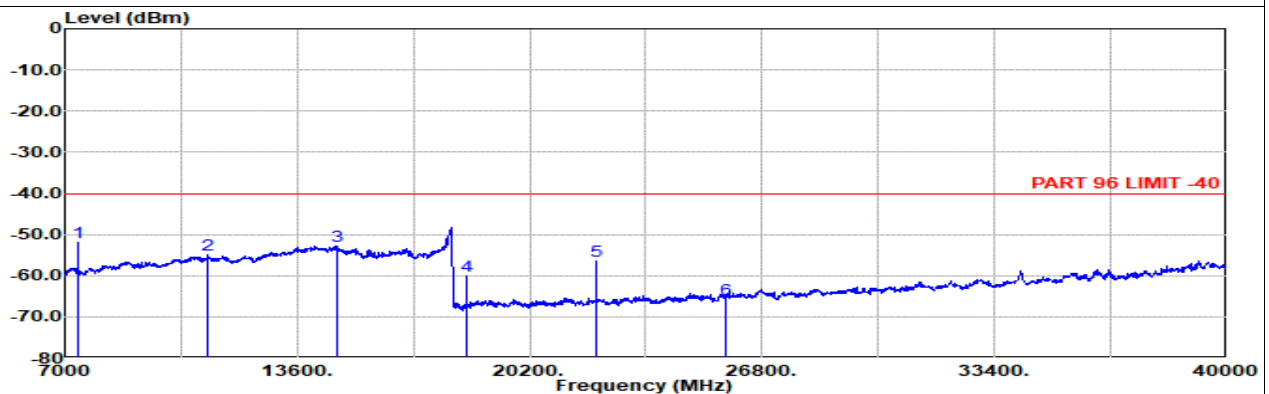


Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1224_250702 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7362.00	-52.71	RMS	36.53	-52.13	0.95	-95.23	57.17	-40.00	-12.71	Horizontal
2	11043.00	-56.07	RMS	38.60	-49.24	0.85	-95.23	48.95	-40.00	-16.07	Horizontal
3	14725.00	-52.99	RMS	40.25	-47.04	0.63	-95.23	48.40	-40.00	-12.99	Horizontal
4	18408.00	-66.45	RMS	37.92	-50.42	-9.54	-95.23	50.82	-40.00	-26.45	Horizontal
5	22088.00	-61.82	RMS	38.20	-48.50	-9.54	-95.23	53.25	-40.00	-21.82	Horizontal
6	25768.00	-66.02	RMS	39.46	-46.74	-9.54	-95.23	46.03	-40.00	-26.02	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1224_250702 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7362.00	-51.90	RMS	36.53	-52.13	0.95	-95.23	57.98	-40.00	-11.90	Vertical
2	11043.00	-54.91	RMS	38.60	-49.24	0.85	-95.23	50.11	-40.00	-14.91	Vertical
3	14725.00	-52.79	RMS	40.25	-47.04	0.63	-95.23	48.60	-40.00	-12.79	Vertical
4	18408.00	-60.09	RMS	37.92	-50.42	-9.54	-95.23	57.18	-40.00	-20.09	Vertical
5	22088.00	-56.53	RMS	38.20	-48.50	-9.54	-95.23	58.54	-40.00	-16.53	Vertical
6	25768.00	-65.73	RMS	39.46	-46.74	-9.54	-95.23	46.32	-40.00	-25.73	Vertical

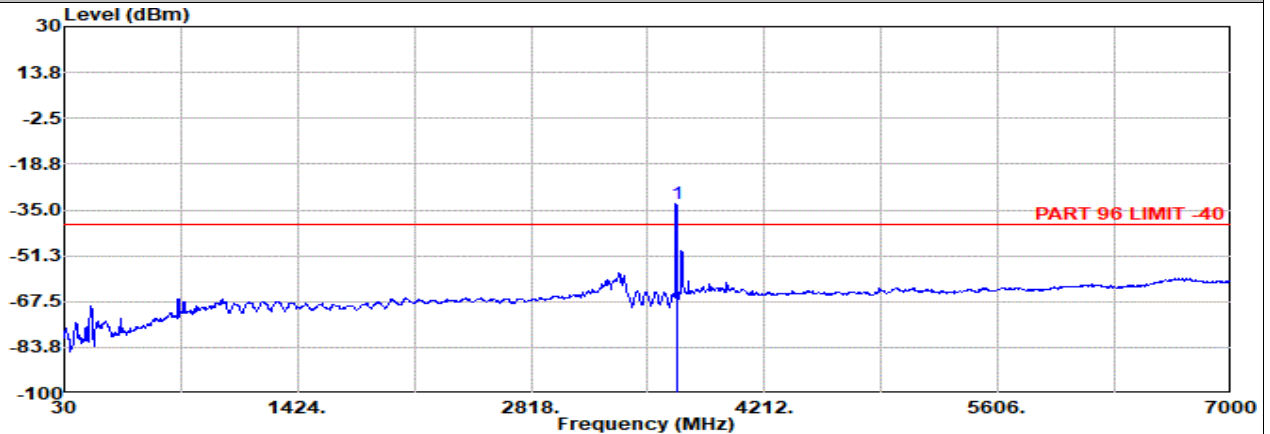


Ant. 0

Part 96 Mode 2

NR RedCap n48 20M Ch646000 1RB1 BPSK

H



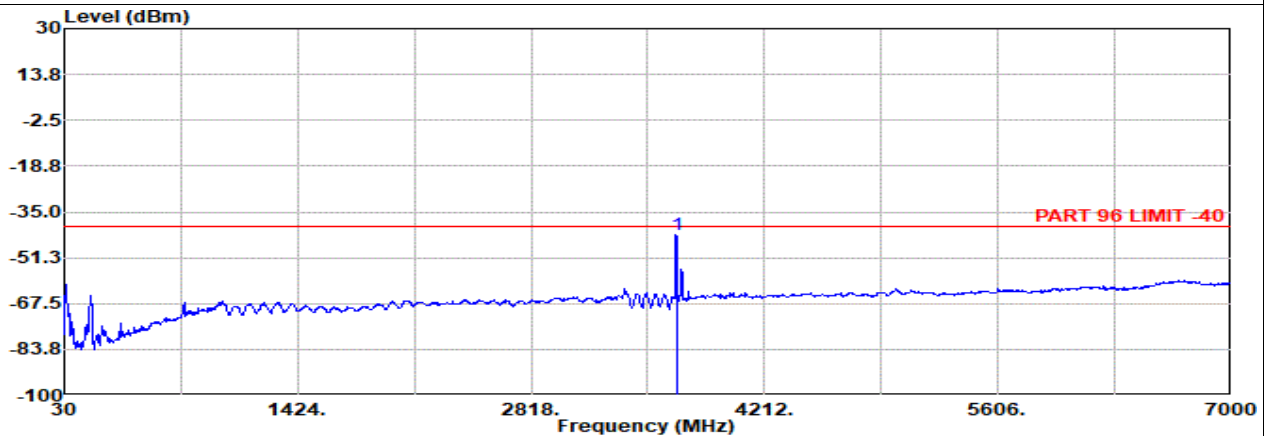
Site : 03CH16-HY

Condition: PART 96 LIMIT -40 3m 9120D-02038_250807 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3690.00	-32.75	RMS		29.70	-57.04	0.61	-95.23	89.21	-40.00	7.25	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 3m 9120D-02038_250807 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3690.00	-43.12	RMS		29.70	-57.04	0.61	-95.23	78.84	-40.00	-3.12	Vertical