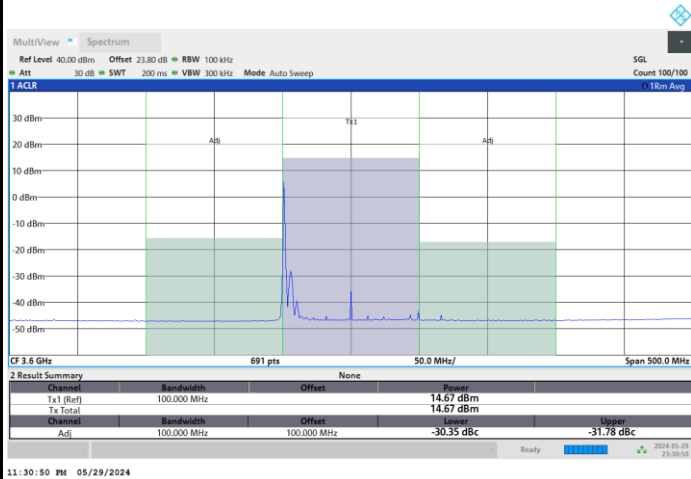




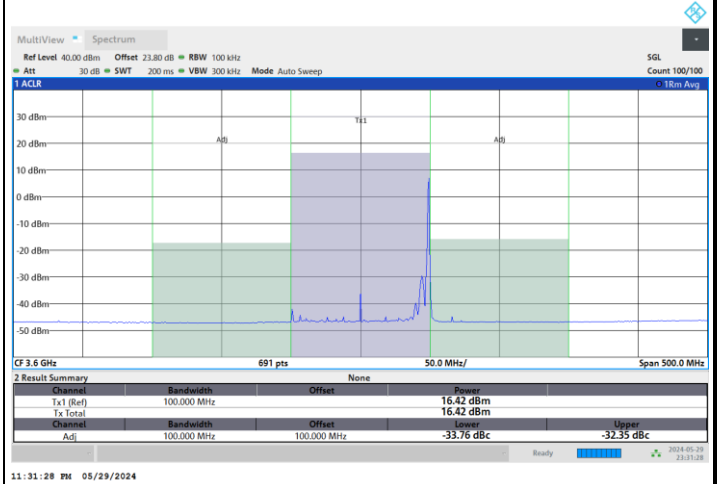
FR1 n48 / 100MHz / DFT-S OFDM / 256QAM

Lowest Channel

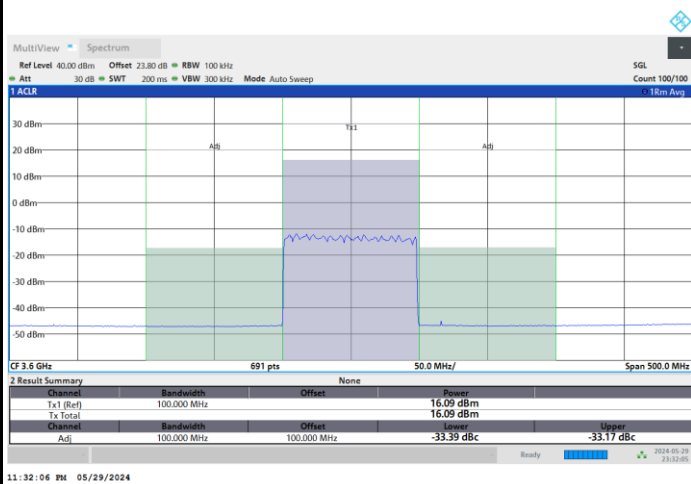
1RB0



1RBmax



Full RB

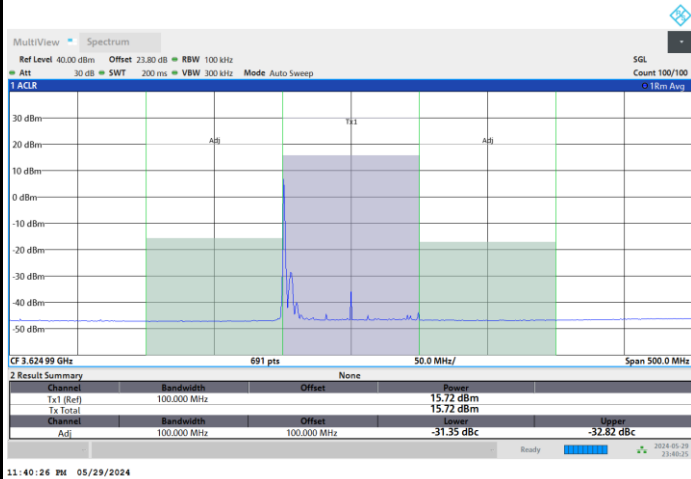




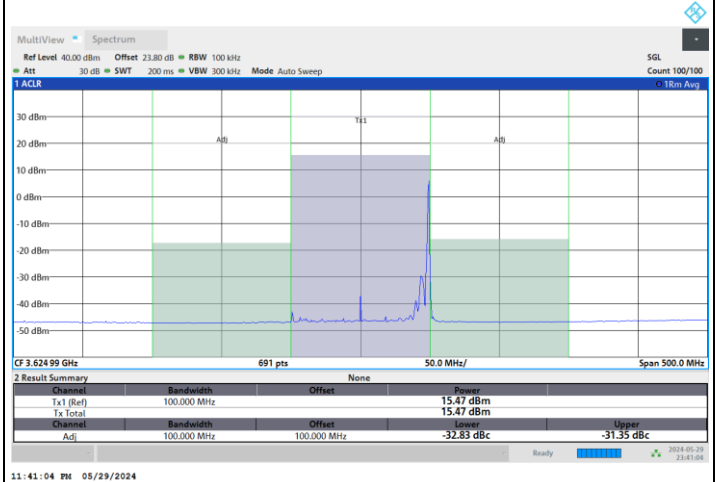
FR1 n48 / 100MHz / DFT-S OFDM / 256QAM

Middle Channel

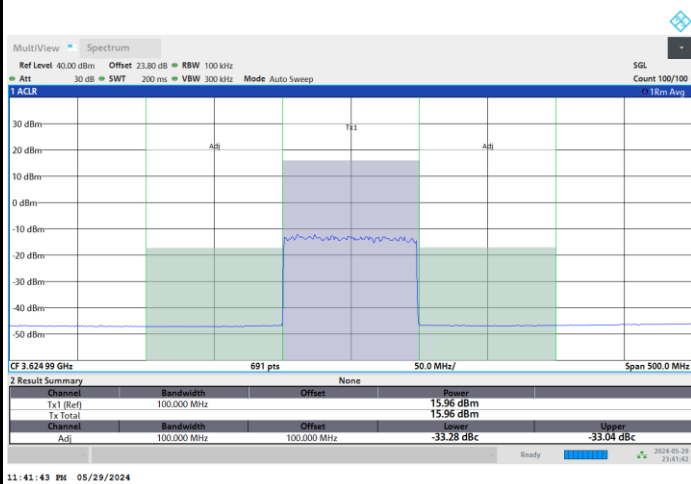
1RB0



1RBmax



Full RB

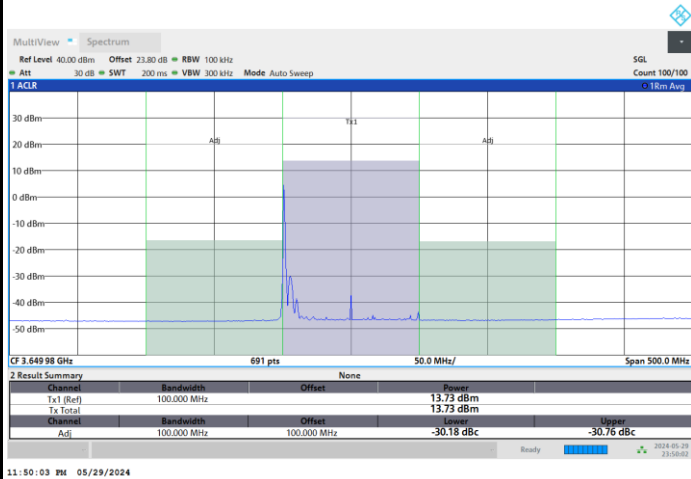




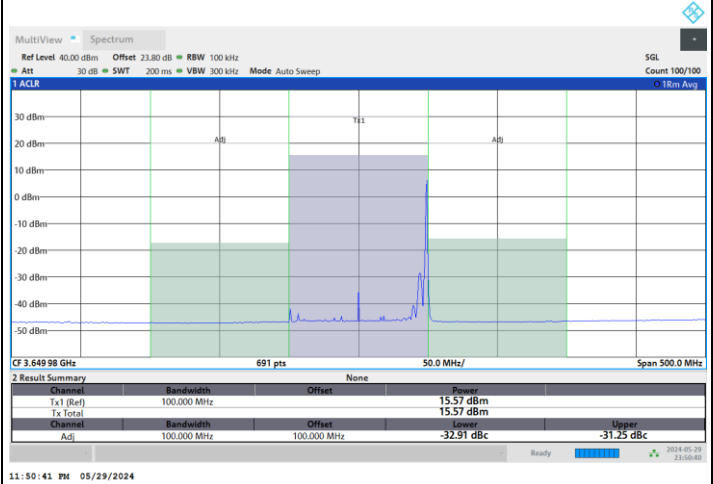
FR1 n48 / 100MHz / DFT-S OFDM / 256QAM

Highest Channel

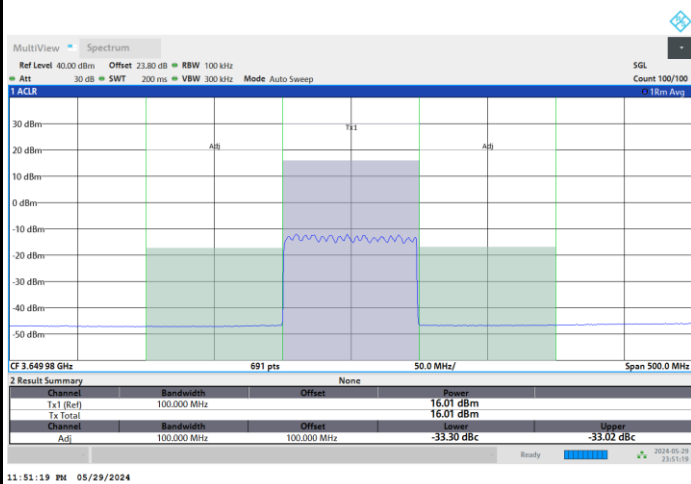
1RB0



1RBmax



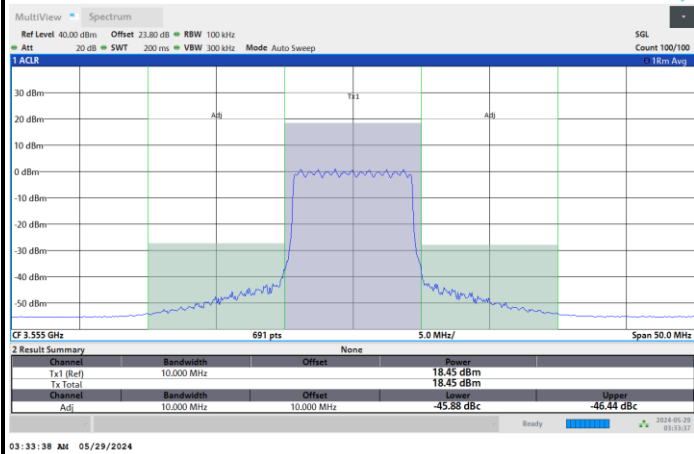
Full RB



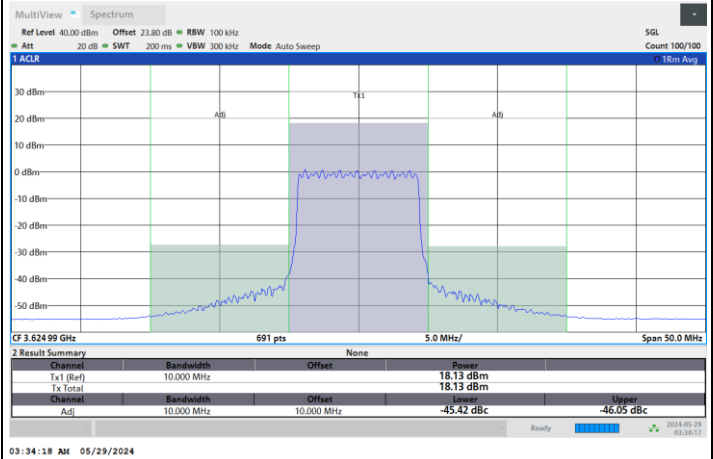


FR1 n48 / 10MHz / CP OFDM / QPSK / Full RB

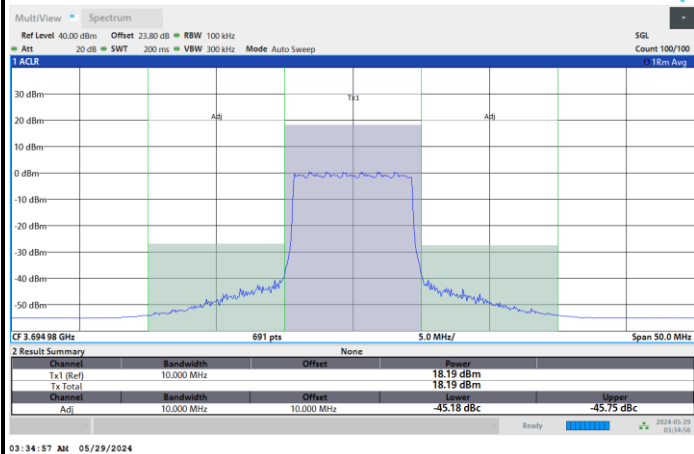
Lowest Channel



Middle Channel



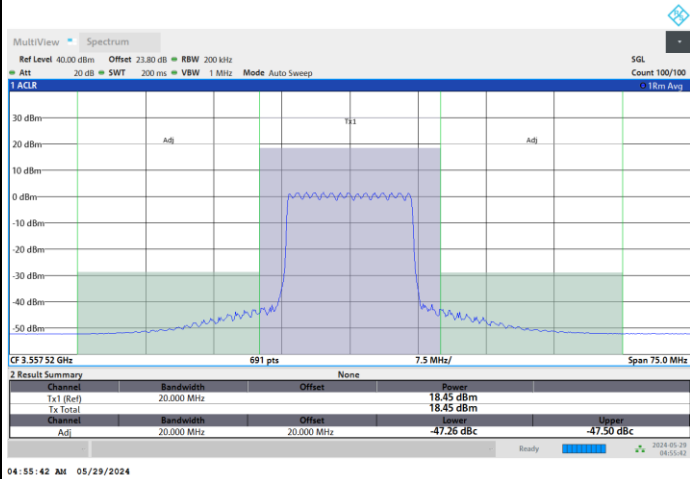
Highest Channel



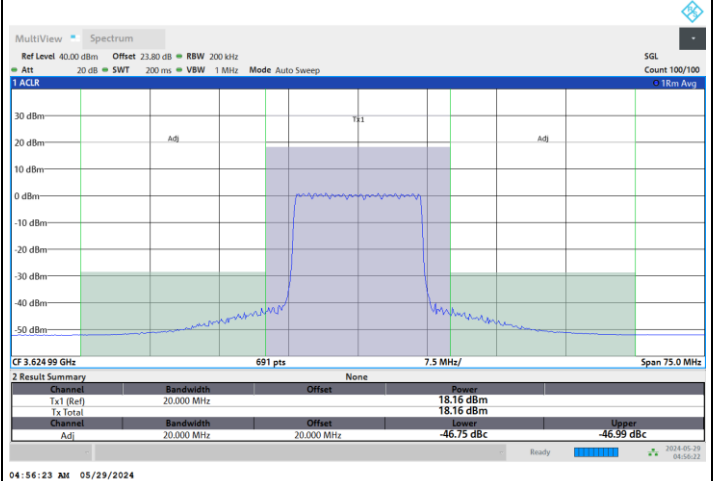


FR1 n48 / 15MHz / CP OFDM / QPSK / Full RB

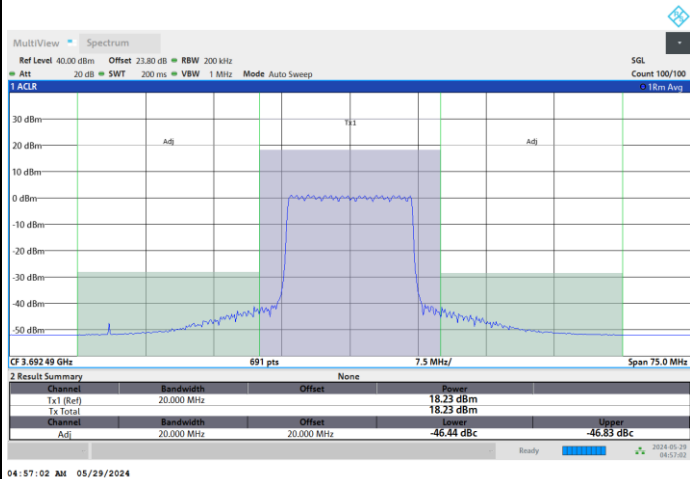
Lowest Channel



Middle Channel



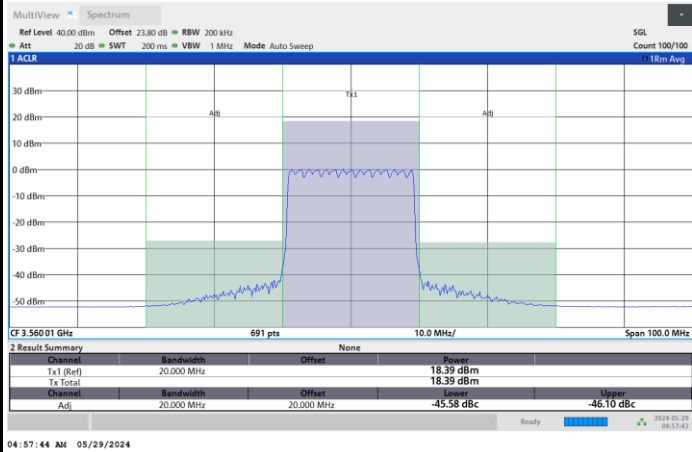
Highest Channel



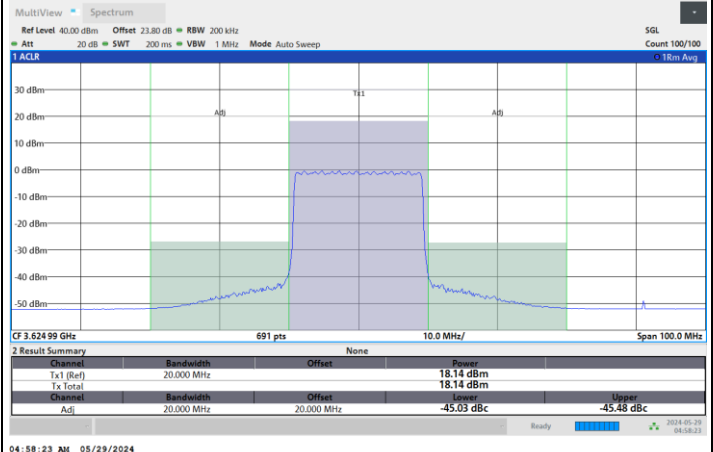


FR1 n48 / 20MHz / CP OFDM / QPSK / Full RB

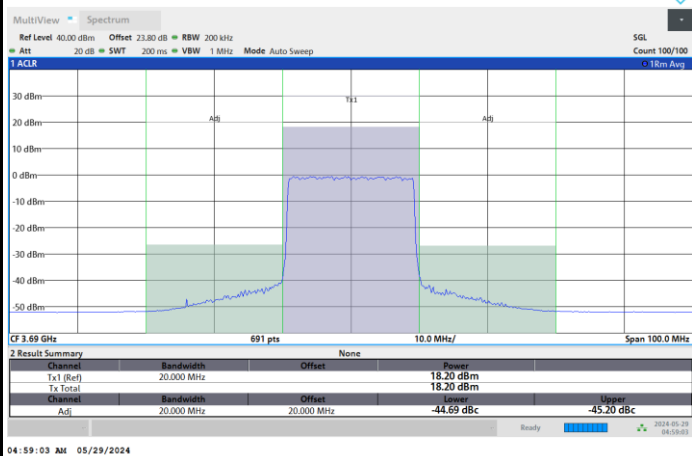
Lowest Channel



Middle Channel



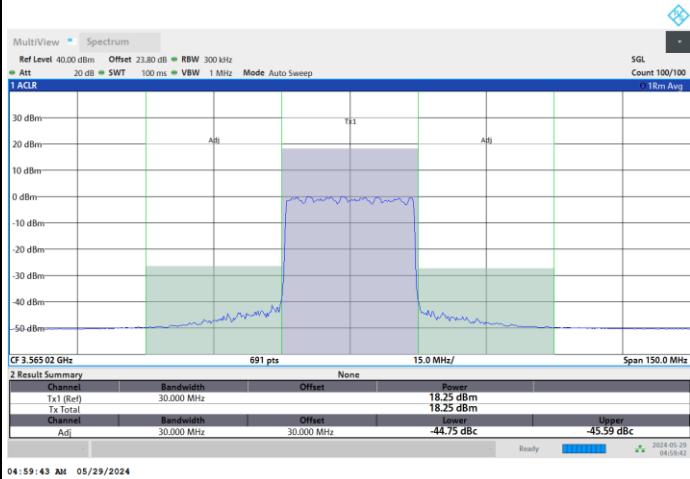
Highest Channel





FR1 n48 / 30MHz / CP OFDM / QPSK / Full RB

Lowest Channel



Middle Channel



Highest Channel





FR1 n48 / 40MHz / CP OFDM / QPSK / Full RB

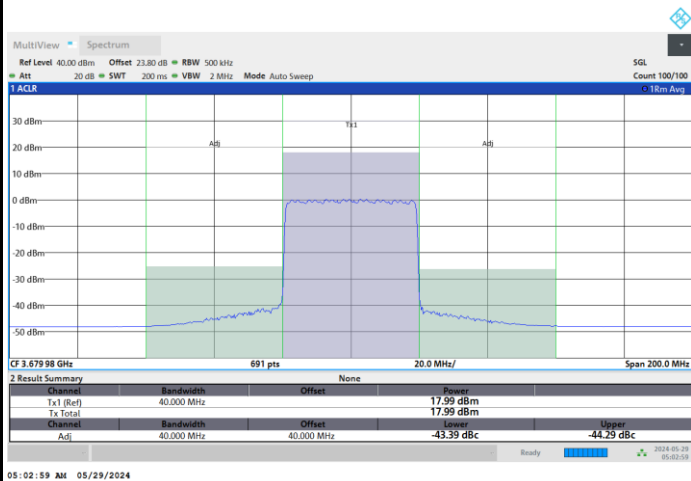
Lowest Channel



Middle Channel



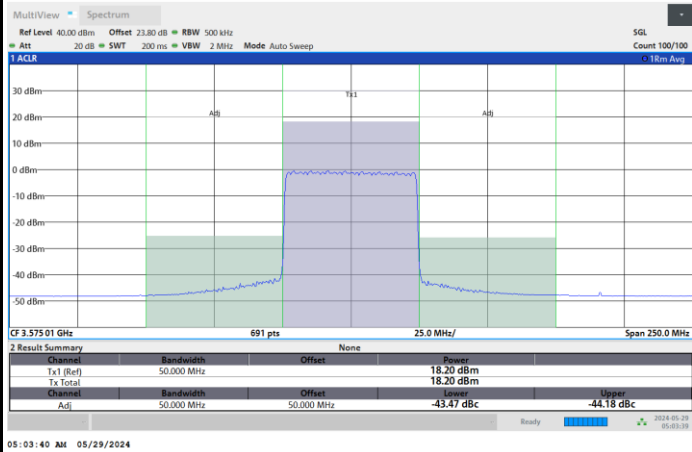
Highest Channel



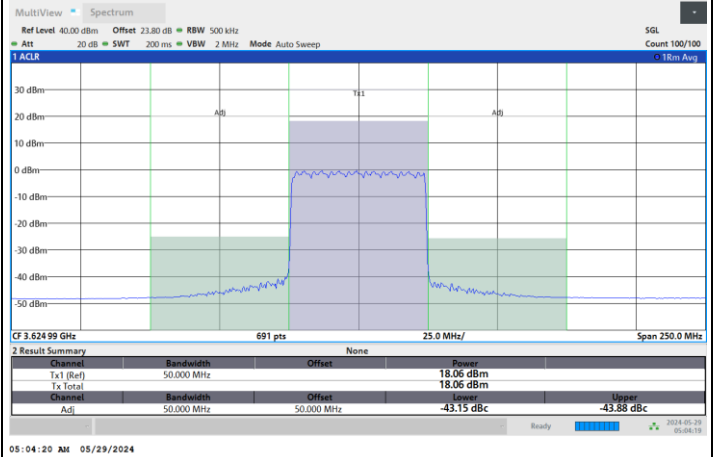


FR1 n48 / 50MHz / CP OFDM / QPSK / Full RB

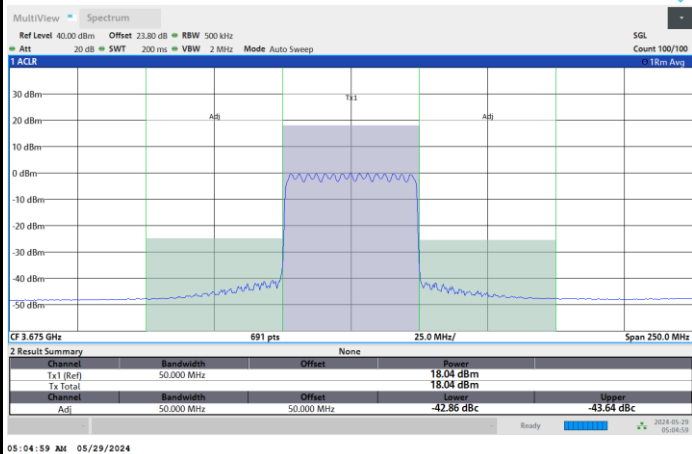
Lowest Channel



Middle Channel



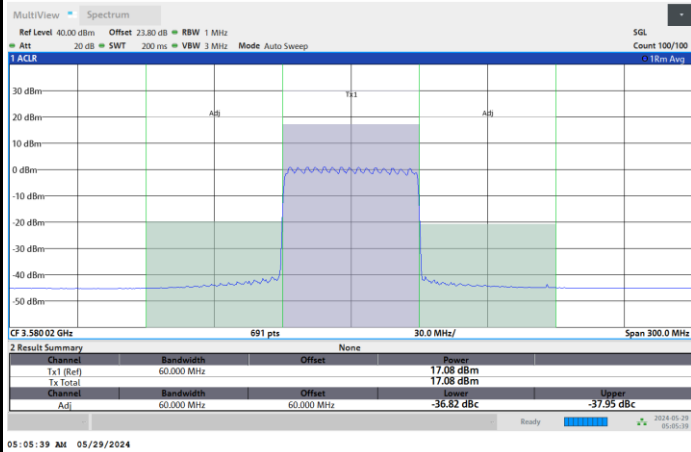
Highest Channel





FR1 n48 / 60MHz / CP OFDM / QPSK / Full RB

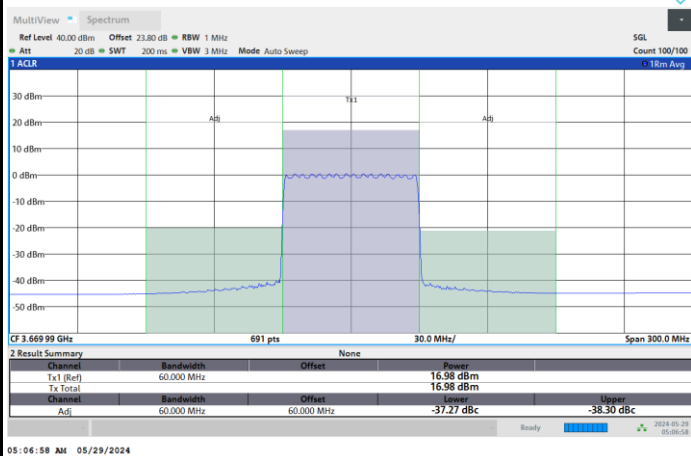
Lowest Channel



Middle Channel



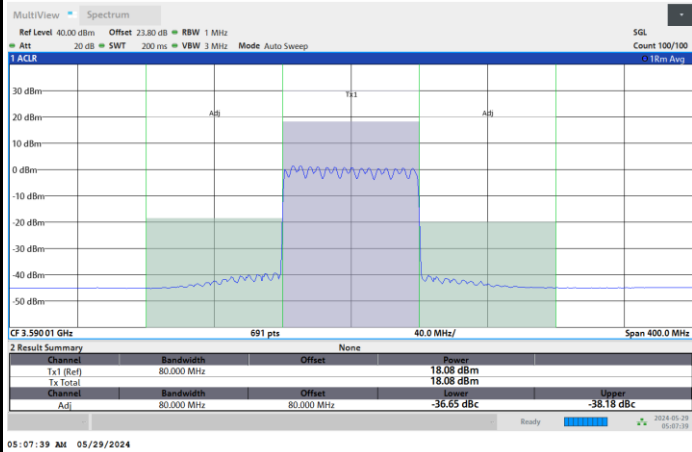
Highest Channel





FR1 n48 / 80MHz / CP OFDM / QPSK / Full RB

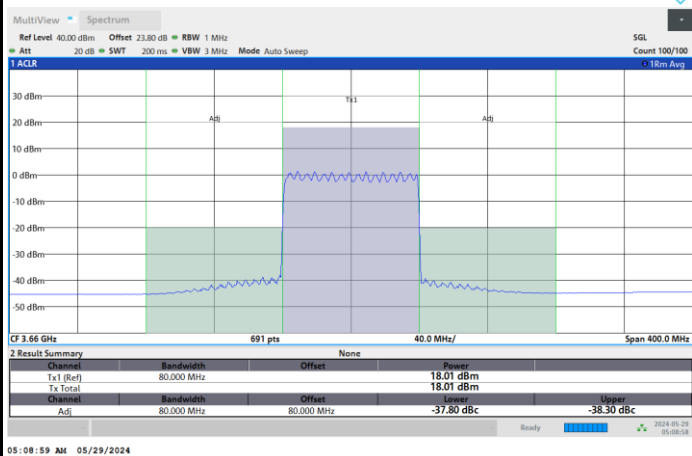
Lowest Channel



Middle Channel



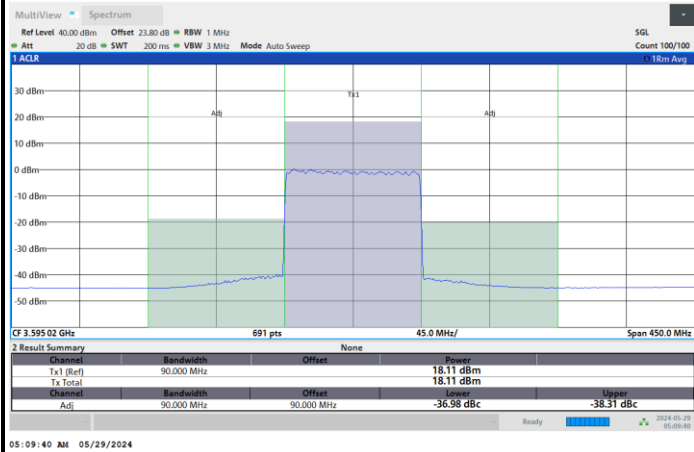
Highest Channel



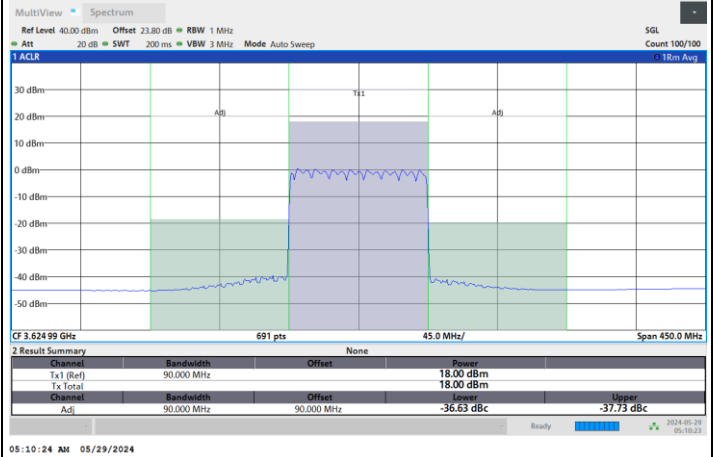


FR1 n48 / 90MHz / CP OFDM / QPSK / Full RB

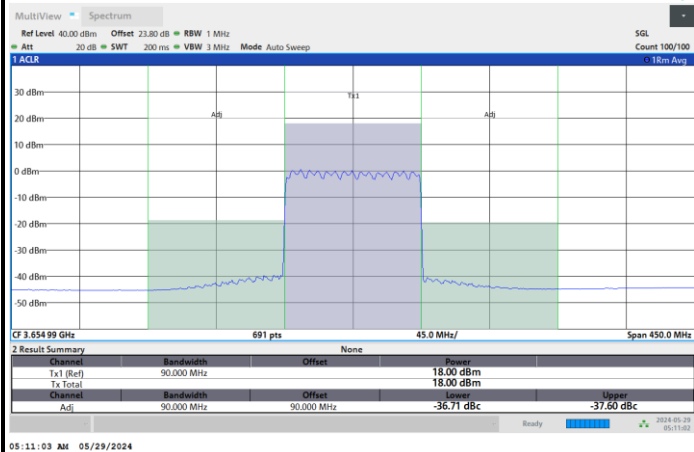
Lowest Channel



Middle Channel



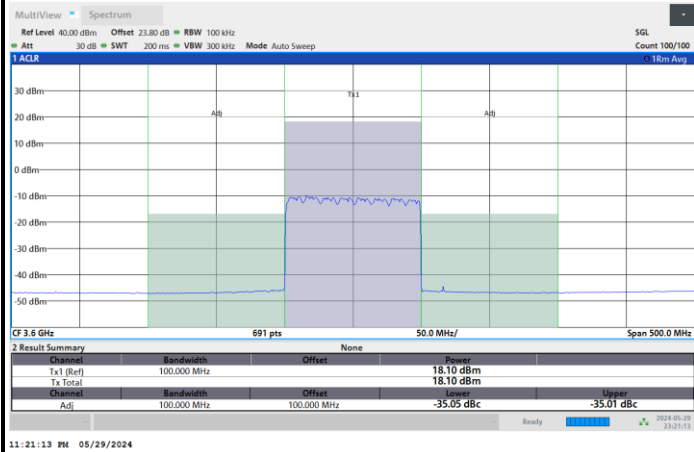
Highest Channel





FR1 n48 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Channel



Middle Channel



Highest Channel

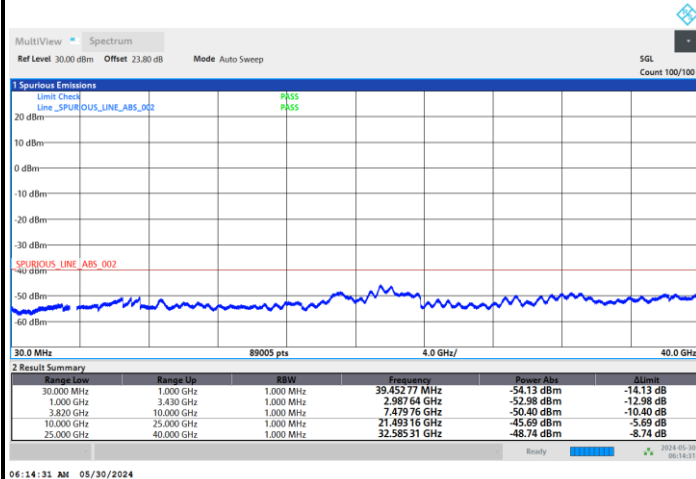




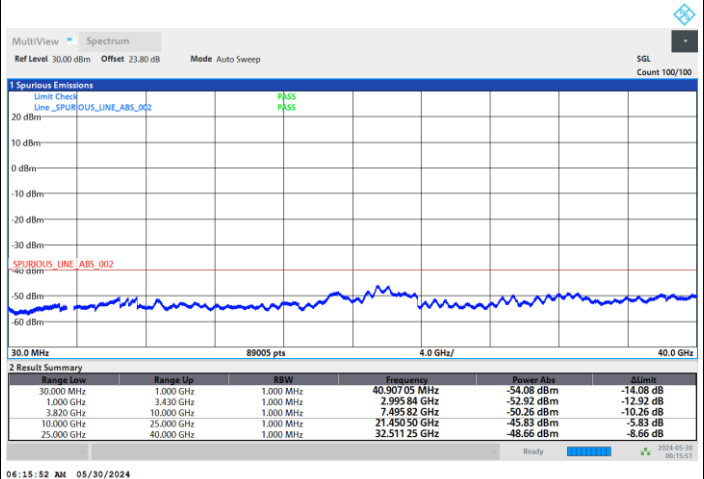
Conducted Spurious Emission

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

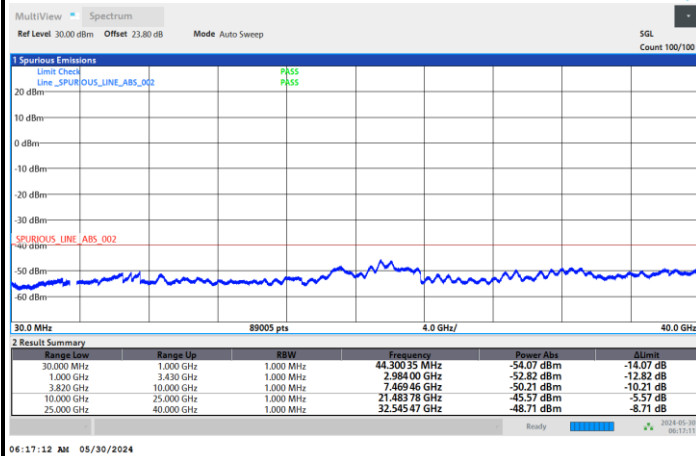
Lowest Channel



Middle Channel



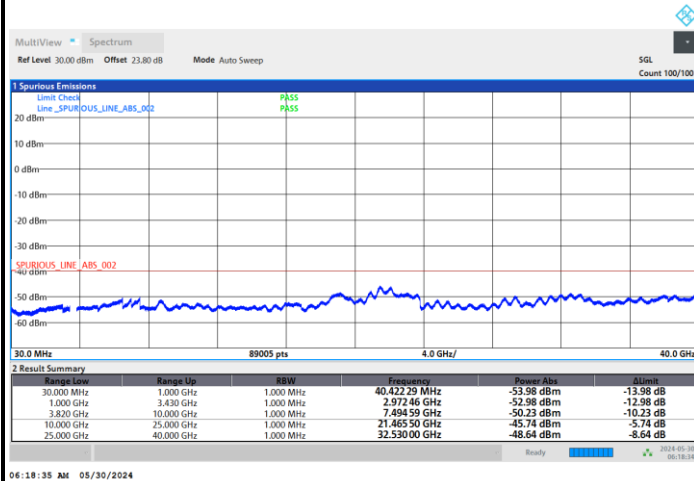
Highest Channel





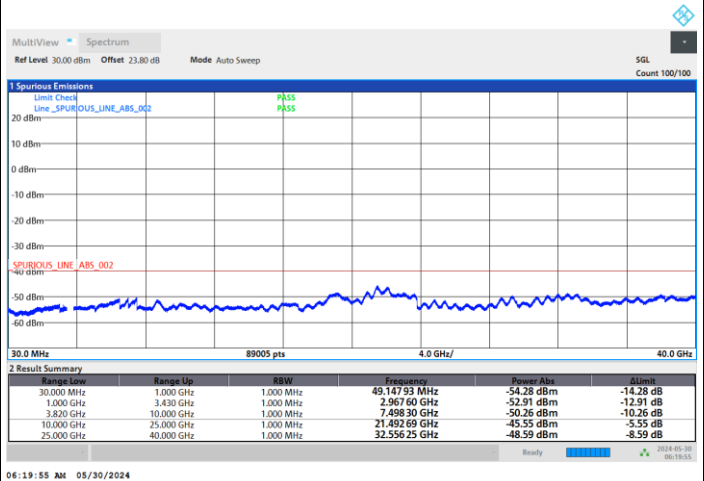
FR1 n48 / 15MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



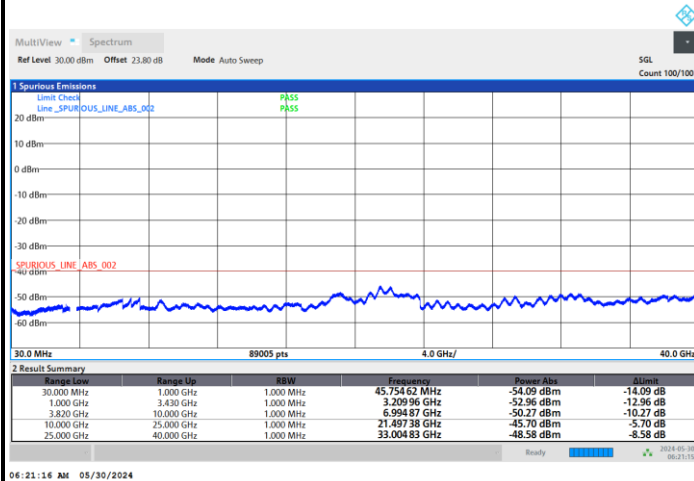
06:18:35 AM 05/30/2024

Middle Channel



06:19:55 AM 05/30/2024

Highest Channel

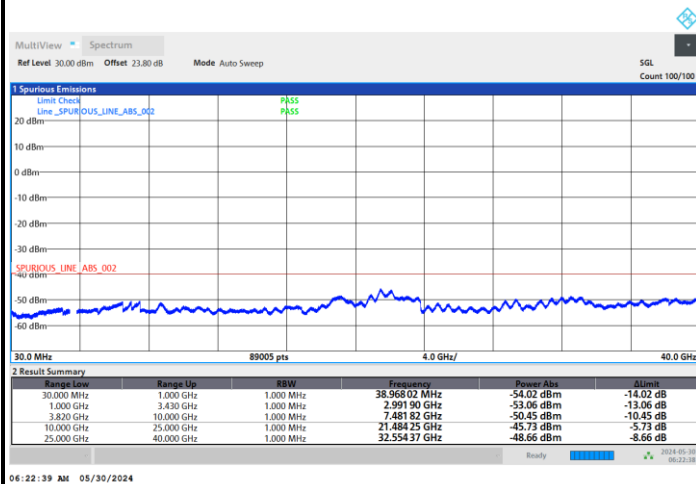


06:21:16 AM 05/30/2024



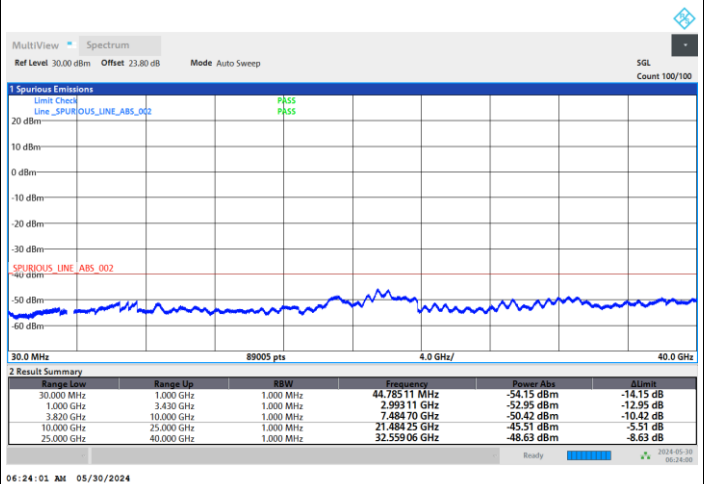
FR1 n48 / 20MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



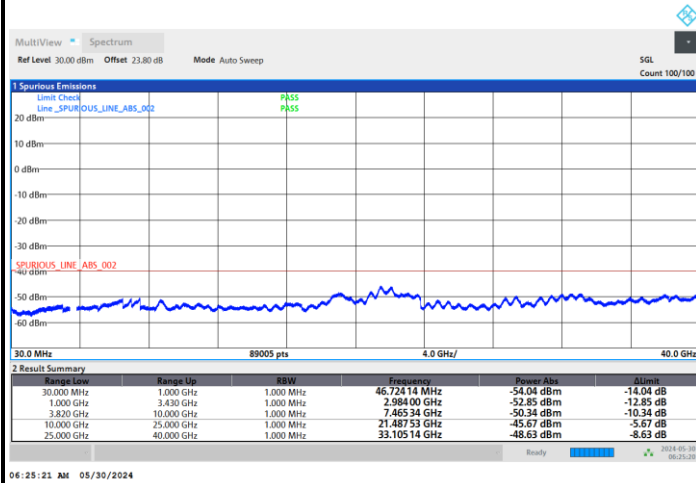
06:22:39 AM 05/30/2024

Middle Channel



06:24:01 AM 05/30/2024

Highest Channel

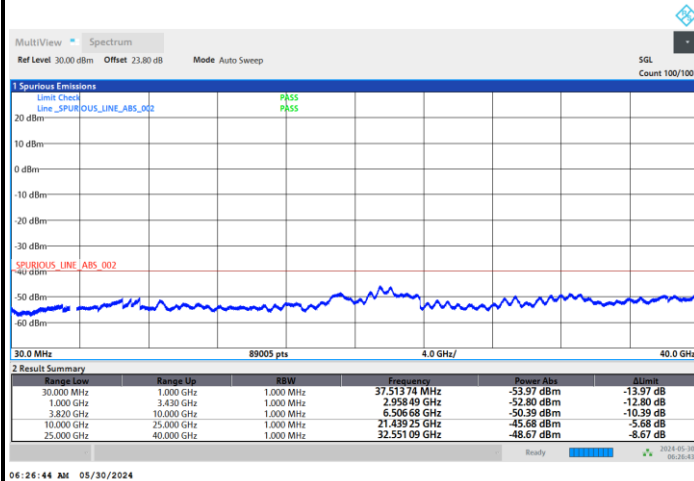


06:25:21 AM 05/30/2024



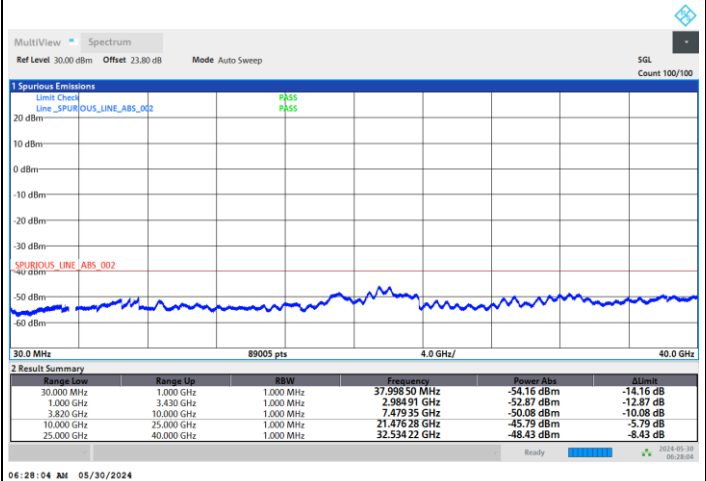
FR1 n48 / 30MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



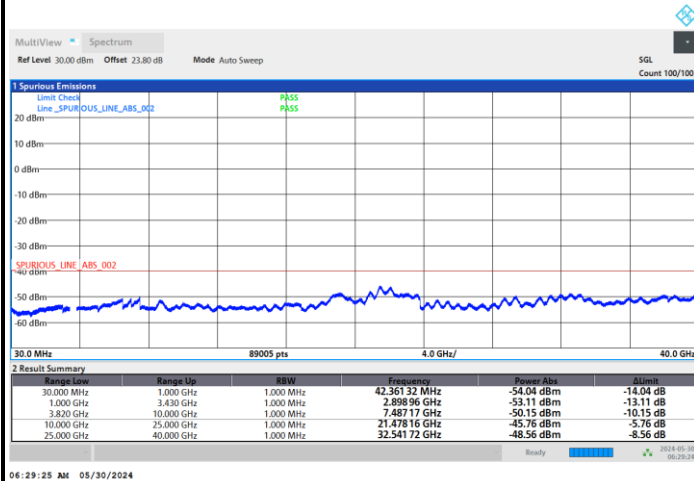
06:26:44 AM 05/30/2024

Middle Channel



06:28:04 AM 05/30/2024

Highest Channel

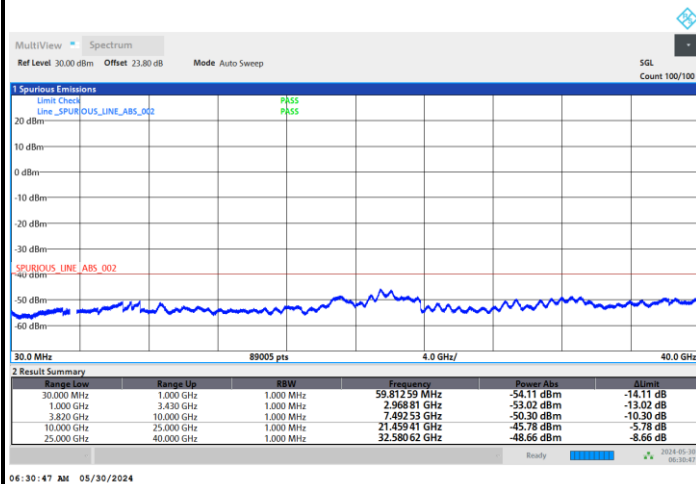


06:29:25 AM 05/30/2024



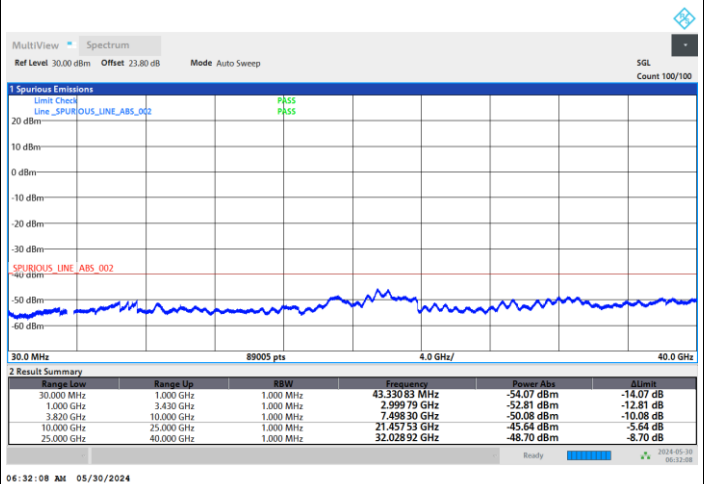
FR1 n48 / 40MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



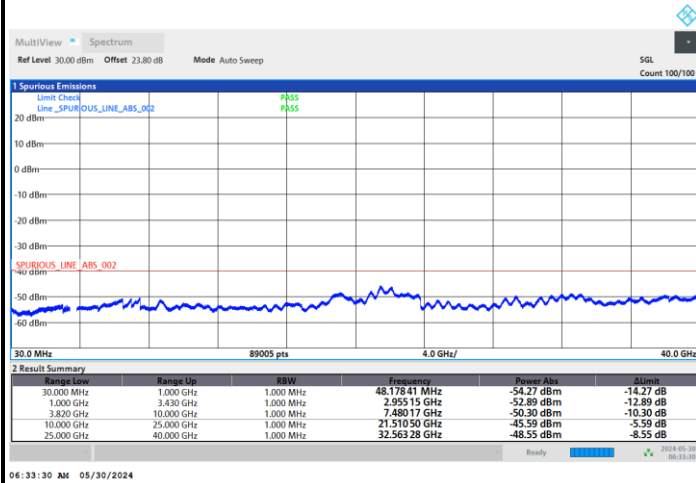
06:30:47 AM 05/30/2024

Middle Channel



06:32:08 AM 05/30/2024

Highest Channel

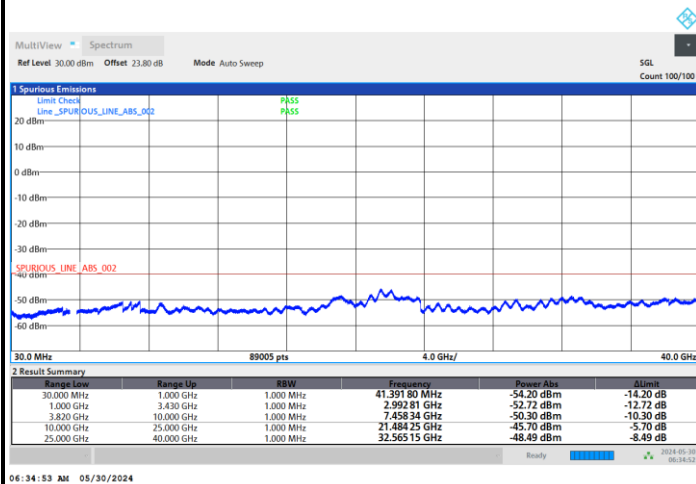


06:33:30 AM 05/30/2024



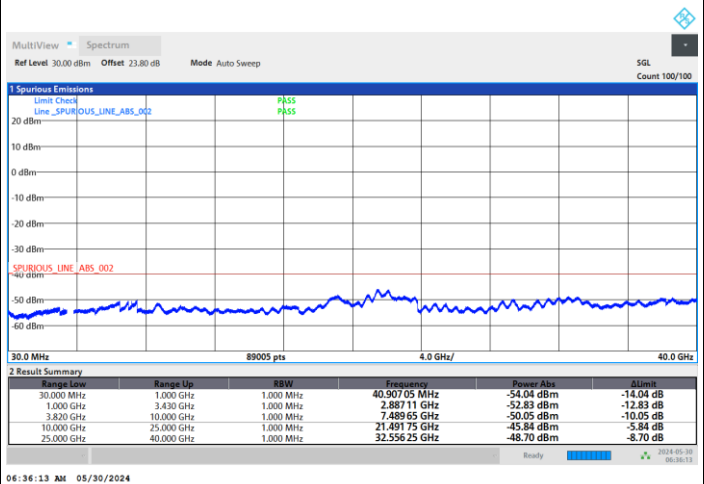
FR1 n48 / 50MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



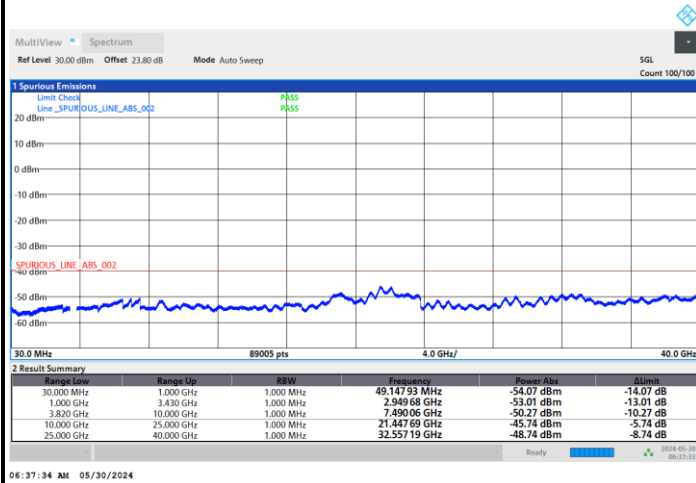
06:34:53 AM 05/30/2024

Middle Channel



06:36:13 AM 05/30/2024

Highest Channel

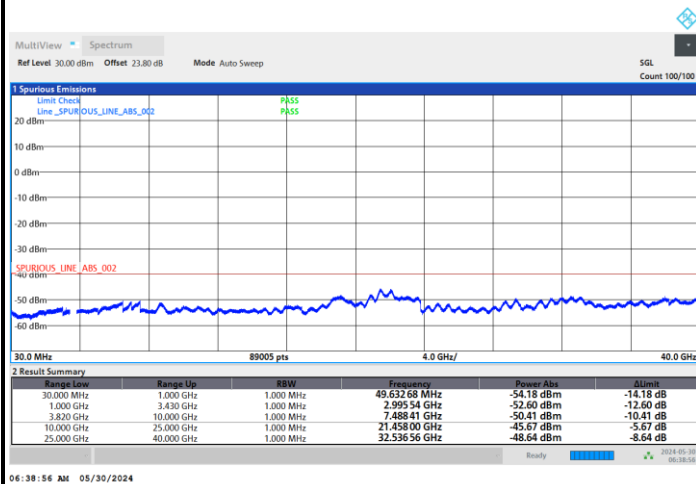


06:37:34 AM 05/30/2024



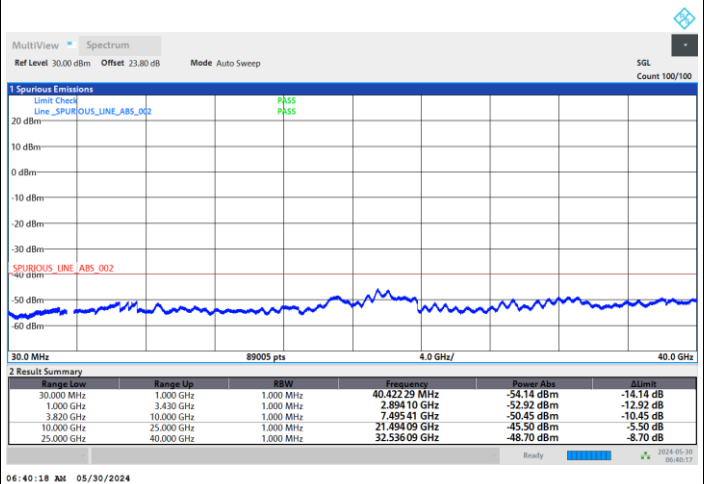
FR1 n48 / 60MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



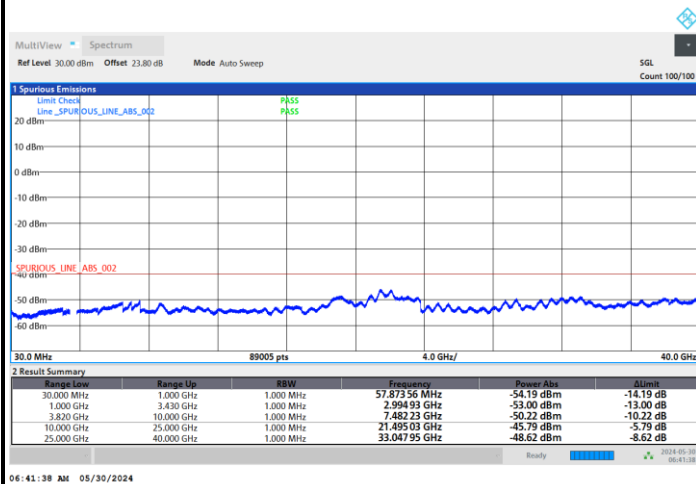
06:38:56 AM 05/30/2024

Middle Channel



06:40:18 AM 05/30/2024

Highest Channel

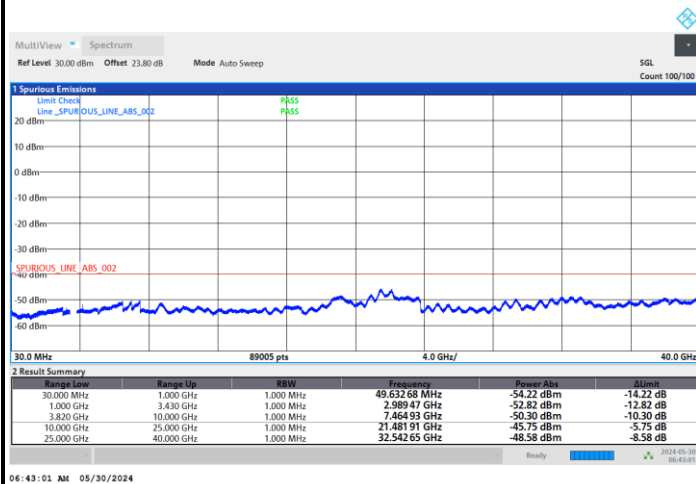


06:41:38 AM 05/30/2024



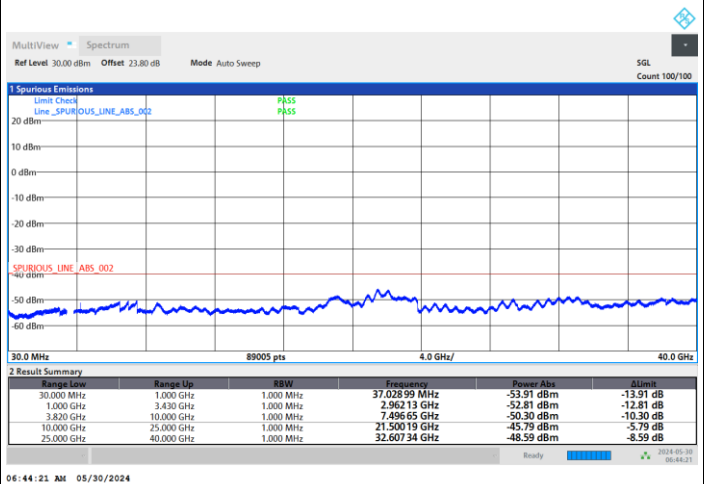
FR1 n48 / 80MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



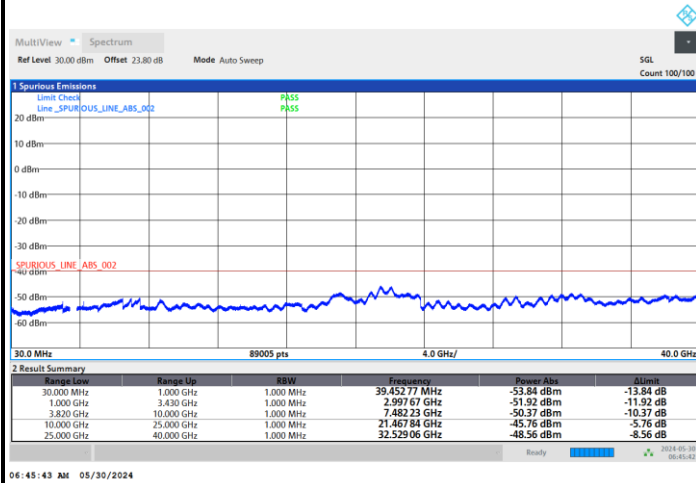
06:43:01 AM 05/30/2024

Middle Channel



06:44:21 AM 05/30/2024

Highest Channel

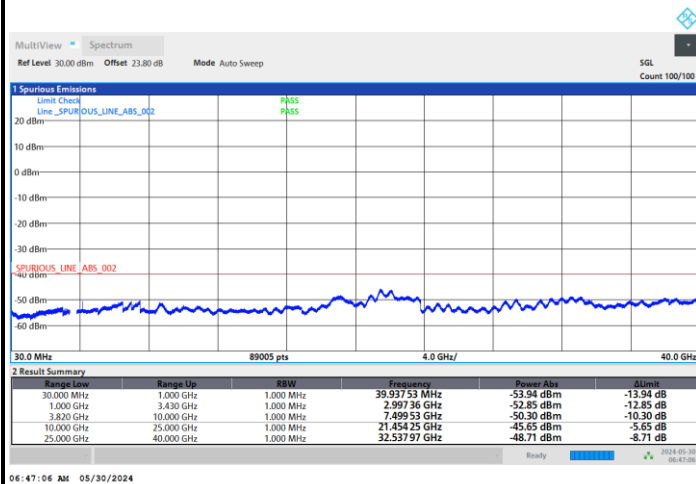


06:45:43 AM 05/30/2024



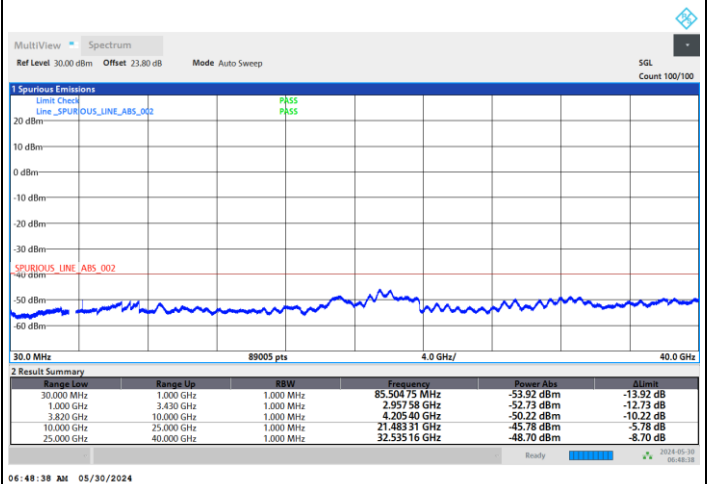
FR1 n48 / 90MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



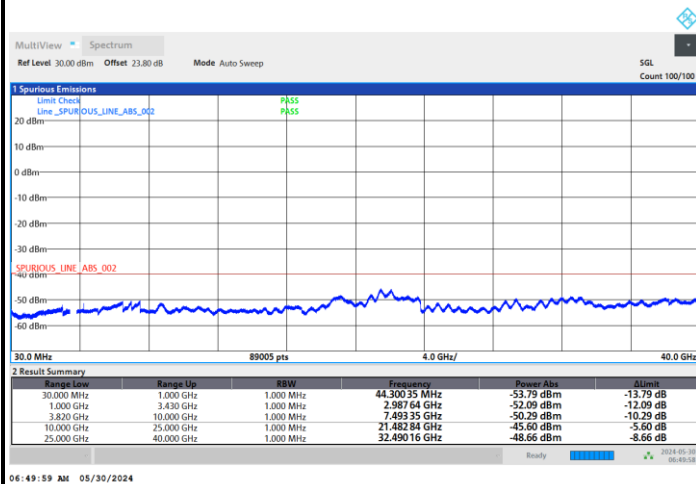
06:47:06 AM 05/30/2024

Middle Channel



06:48:38 AM 05/30/2024

Highest Channel

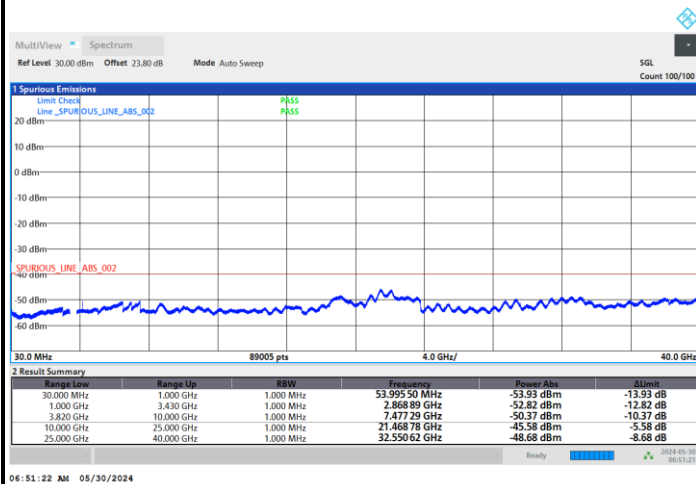


06:49:59 AM 05/30/2024



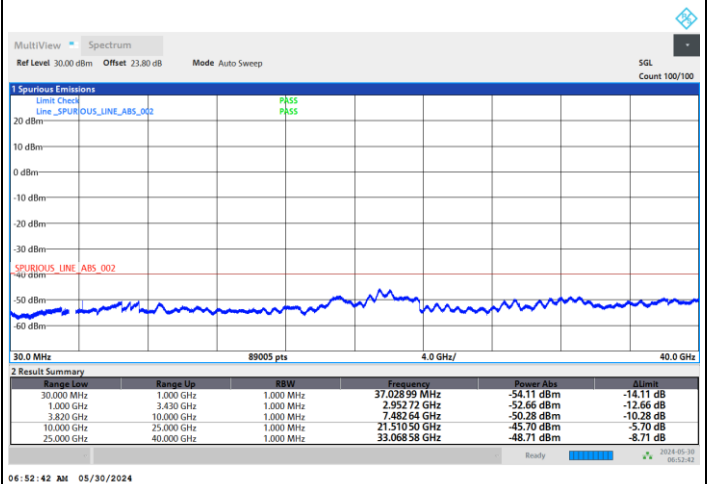
FR1 n48 / 100MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



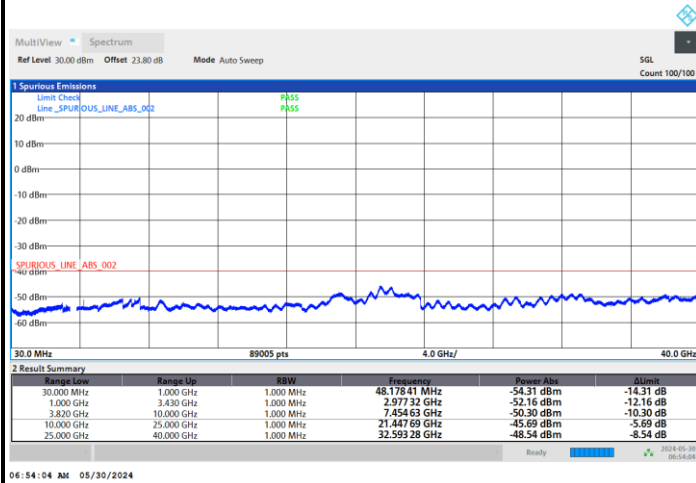
06:51:22 AM 05/30/2024

Middle Channel



06:52:42 AM 05/30/2024

Highest Channel



06:54:04 AM 05/30/2024

Frequency Stability

Test Conditions		FR1 n48 (PI/2 BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0149	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0062	
-10	Normal Voltage	0.0098	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0085	

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)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	NR SA n48	M	7154	-40.89	RMS	36.62	-52.28	1.02	-95.23	68.98	-40.00	-0.89	V	0

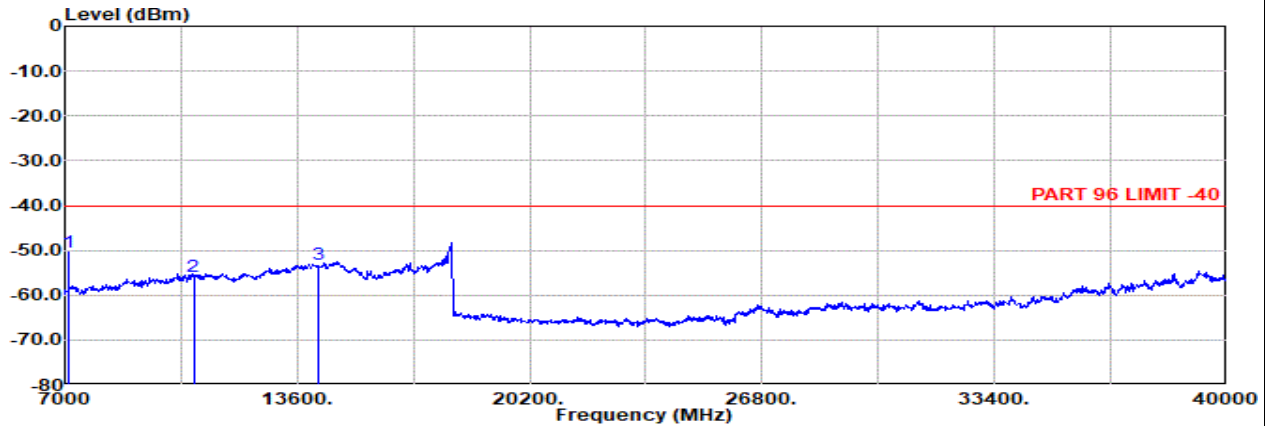


Ant. 0

Part 96 Mode 1

NR SA n48 100M Ch640000 1RB1 BPSK

L

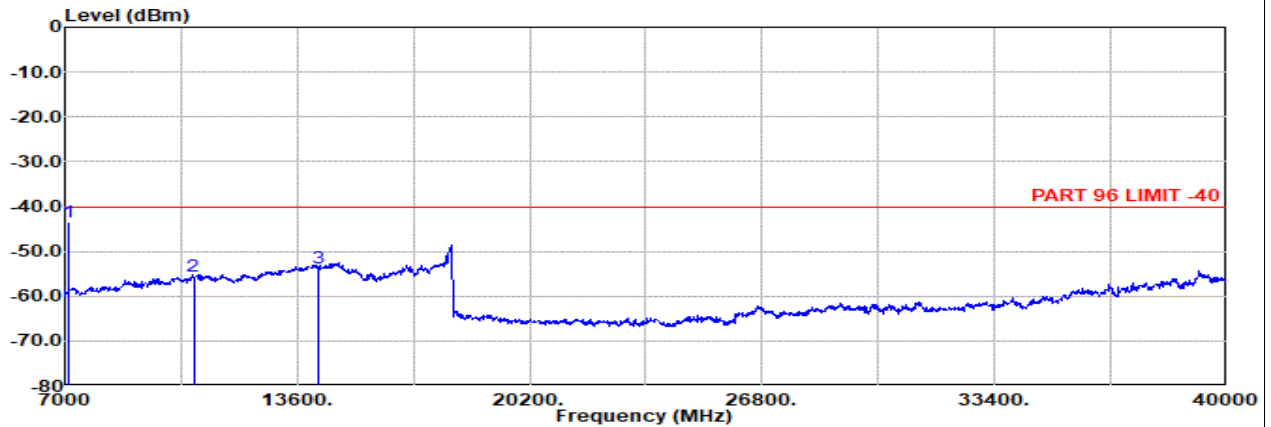


Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: SA n48 100M Ch640000 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin		Limit	Margin	Pol
				Factor	Amp\Cb			g				
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB		
1	7102.00	-50.44	RMS	36.31	-52.33	1.13	-95.23	59.68	-40.00	-10.44	Horizontal	
2	10653.00	-55.81	RMS	39.09	-49.82	0.45	-95.23	49.70	-40.00	-15.81	Horizontal	
3	14205.00	-53.24	RMS	40.90	-46.75	0.44	-95.23	47.40	-40.00	-13.24	Horizontal	



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: SA n48 100M Ch640000 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin		Limit	Margin	Pol
				Factor	Amp\Cb			g				
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB		
1	7102.00	-43.47	RMS	36.31	-52.33	1.13	-95.23	66.65	-40.00	-3.47	Vertical	
2	10653.00	-55.69	RMS	39.09	-49.82	0.45	-95.23	49.82	-40.00	-15.69	Vertical	
3	14205.00	-53.86	RMS	40.90	-46.75	0.44	-95.23	46.78	-40.00	-13.86	Vertical	

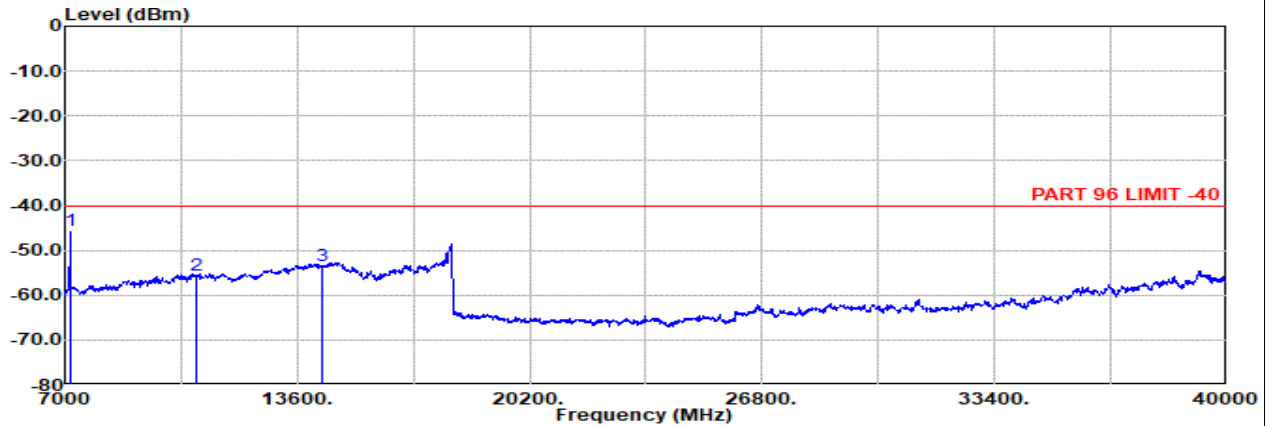


Ant. 0

Part 96 Mode 1

NR SA n48 100M Ch641666 1RB1 BPSK

M

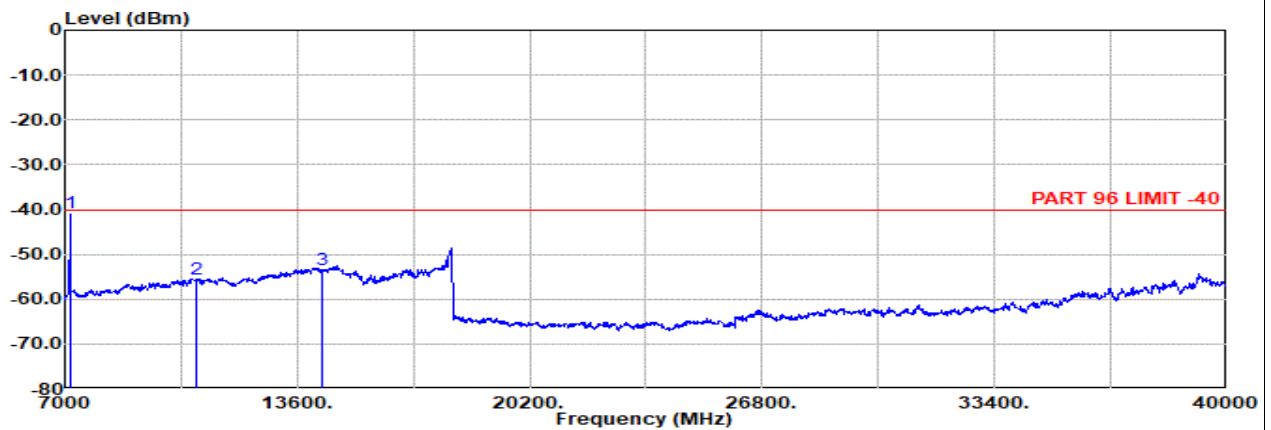


Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: SA n48 100M Ch641666 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7154.00	-45.55	RMS	36.62	-52.28	1.02	-95.23	64.32	-40.00	-5.55	Horizontal
2	10728.00	-55.54	RMS	39.00	-49.64	0.45	-95.23	49.88	-40.00	-15.54	Horizontal
3	14305.00	-53.45	RMS	40.90	-46.73	0.45	-95.23	47.16	-40.00	-13.45	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: SA n48 100M Ch641666 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7154.00	-40.89	RMS	36.62	-52.28	1.02	-95.23	68.98	-40.00	-0.89	Vertical
2	10728.00	-55.55	RMS	39.00	-49.64	0.45	-95.23	49.87	-40.00	-15.55	Vertical
3	14305.00	-53.47	RMS	40.90	-46.73	0.45	-95.23	47.14	-40.00	-13.47	Vertical

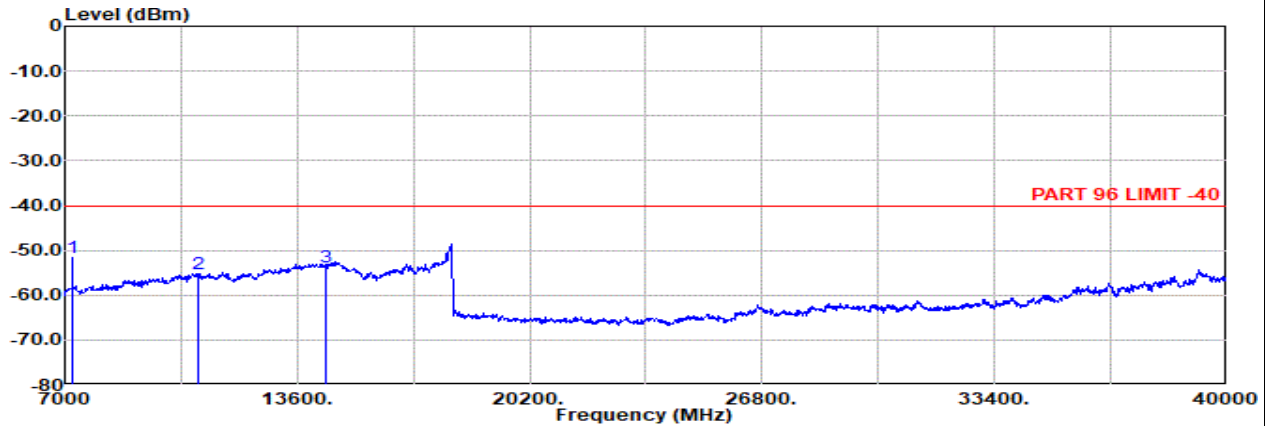


Ant. 0

Part 96 Mode 1

NR SA n48 100M Ch643332 1RB1 BPSK

H

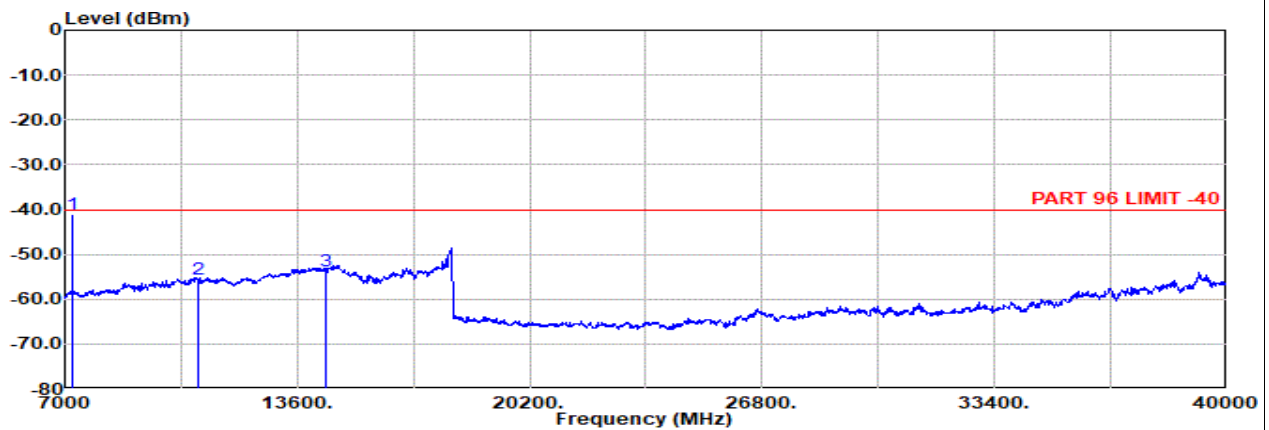


Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: SA n48 100M Ch643332 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7202.00	-51.48	RMS	36.81	-52.23	0.92	-95.23	58.25	-40.00	-11.48	Horizontal
2	10803.00	-55.32	RMS	39.09	-49.46	0.45	-95.23	49.83	-40.00	-15.32	Horizontal
3	14405.00	-53.60	RMS	40.59	-46.71	0.46	-95.23	47.29	-40.00	-13.60	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: SA n48 100M Ch643332 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7202.00	-40.99	RMS	36.81	-52.23	0.92	-95.23	68.74	-40.00	-0.99	Vertical
2	10803.00	-55.61	RMS	39.09	-49.46	0.45	-95.23	49.54	-40.00	-15.61	Vertical
3	14405.00	-53.61	RMS	40.59	-46.71	0.46	-95.23	47.28	-40.00	-13.61	Vertical

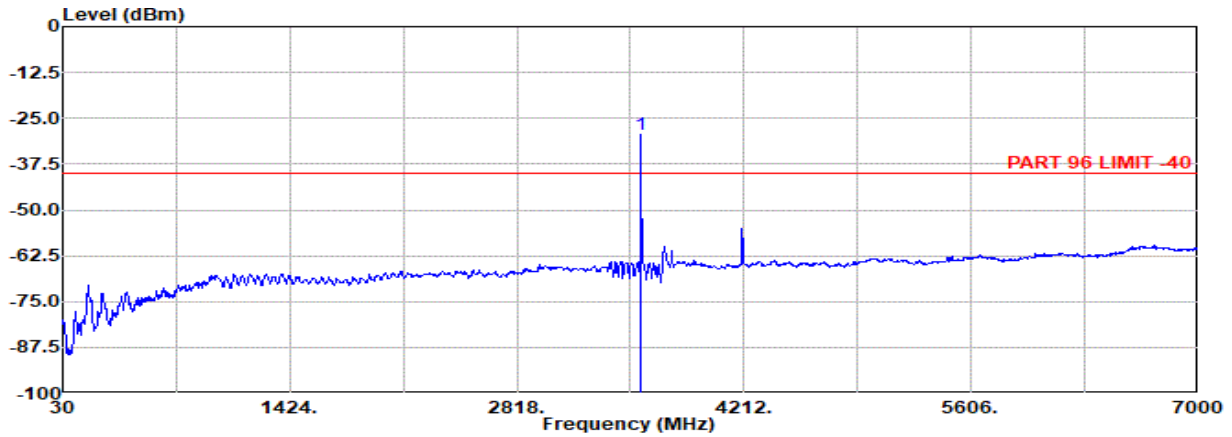


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Part 96 Mode 1

NR SA n48 100M Ch641666 1RB1 BPSK

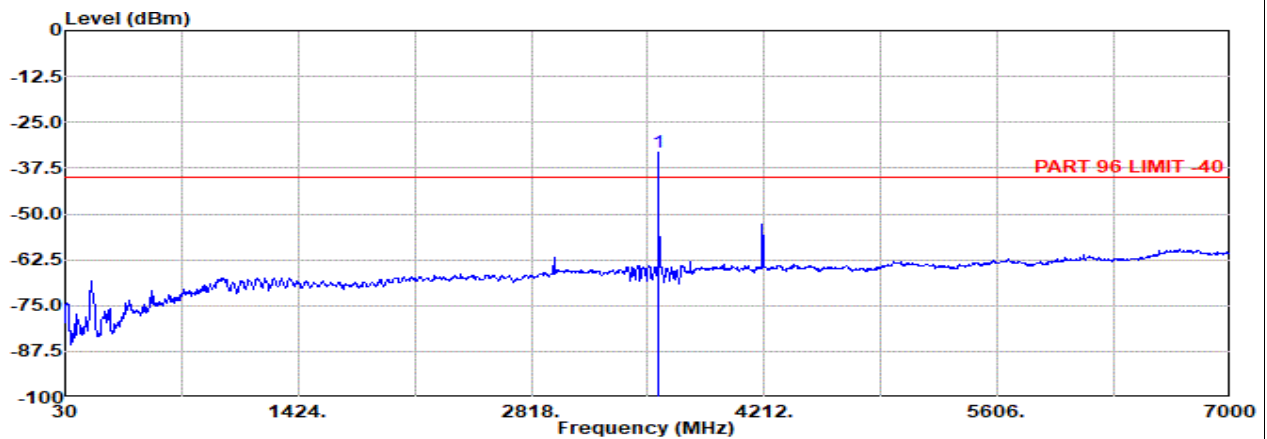
M



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 3m CBL6111D&00802N1D01N-06 _47020 & 06 Horizontal
: SA n48 100M Ch641666 1RB1 BPSK
: #1 is fundamental signal which can be ignored.

	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	3580.00	-29.38	RMS	29.50	-57.40	0.55	-95.23	93.20	-40.00	10.62 Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 3m CBL6111D&00802N1D01N-06 _47020 & 06 Vertical
: SA n48 100M Ch641666 1RB1 BPSK
: #1 is fundamental signal which can be ignored.

	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	3580.00	-33.25	RMS	29.50	-57.40	0.55	-95.23	89.33	-40.00	6.75 Vertical

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