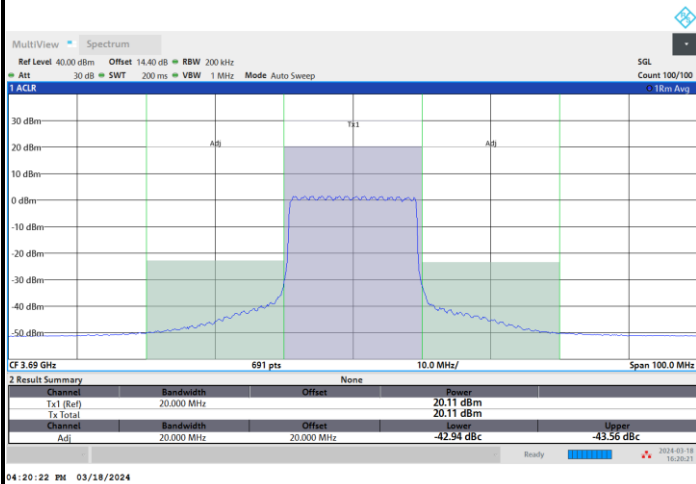




FR1 n48 / 20MHz / CP OFDM / QPSK

Highest Channel

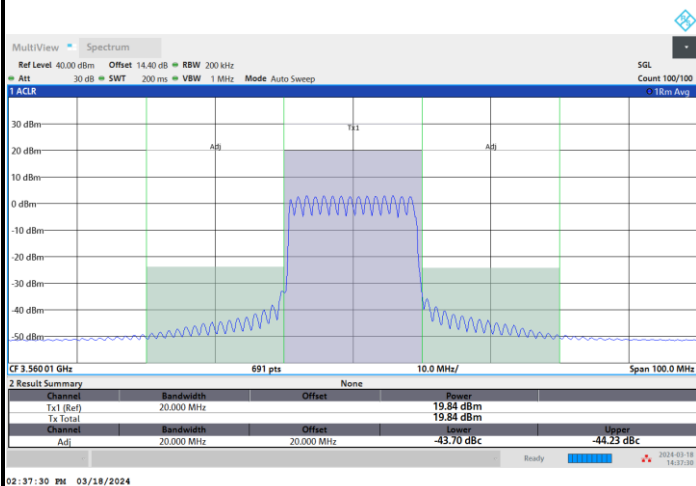
Full RB



FR1 n48 / 20MHz / CP OFDM / 16QAM

Lowest Channel

Full RB

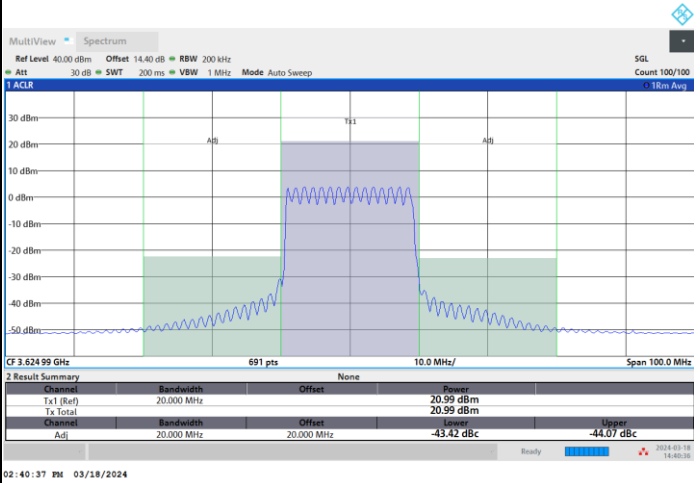




FR1 n48 / 20MHz / CP OFDM / 16QAM

Middle Channel

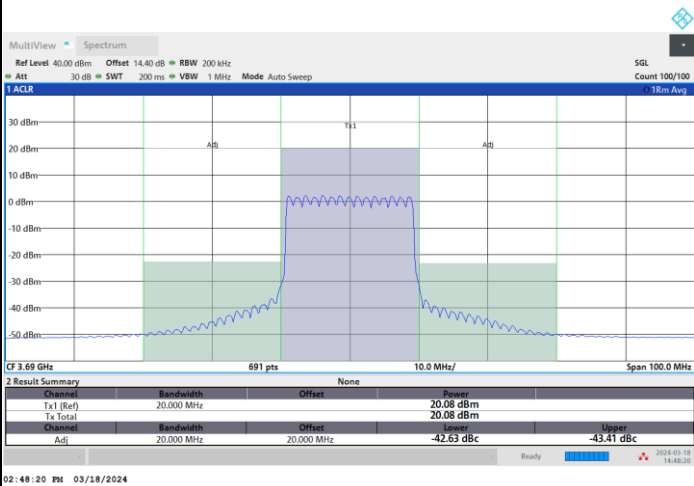
Full RB



FR1 n48 / 20MHz / CP OFDM / 16QAM

Highest Channel

Full RB

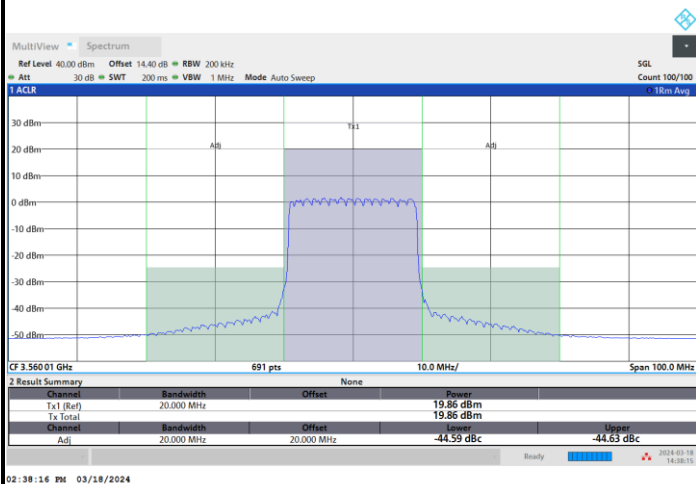




FR1 n48 / 20MHz / CP OFDM / 64QAM

Lowest Channel

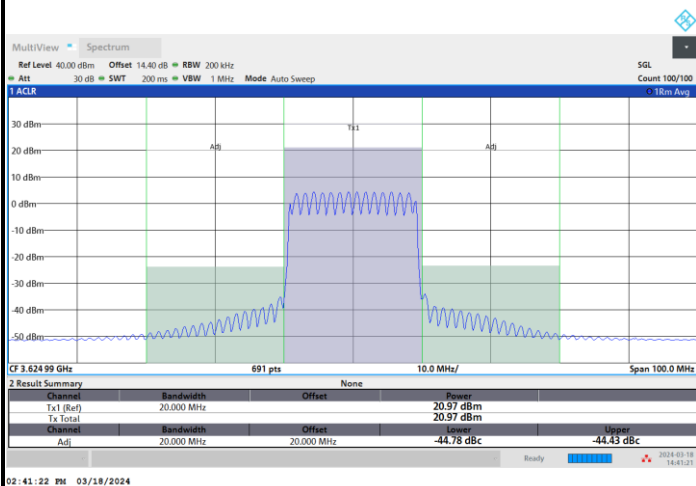
Full RB



FR1 n48 / 20MHz / CP OFDM / 64QAM

Middle Channel

Full RB

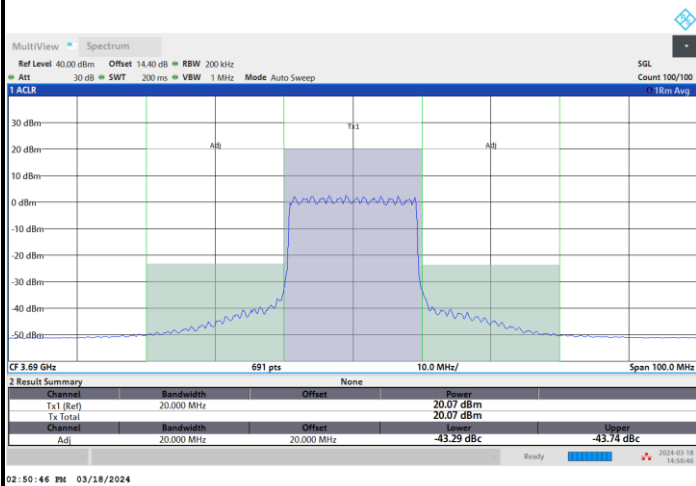




FR1 n48 / 20MHz / CP OFDM / 64QAM

Highest Channel

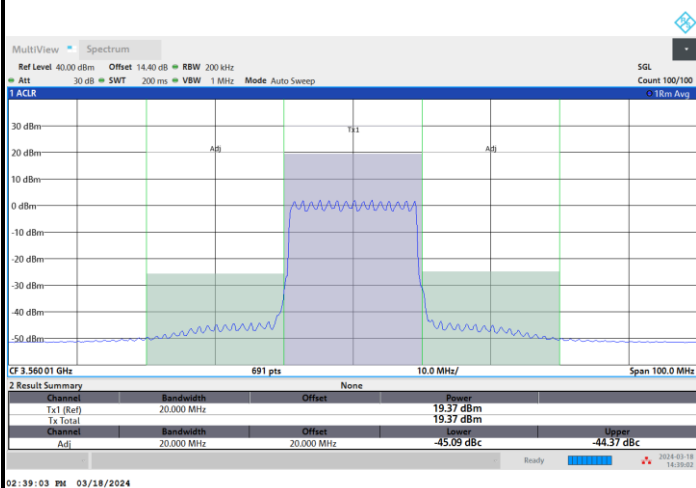
Full RB



FR1 n48 / 20MHz / CP OFDM / 256QAM

Lowest Channel

Full RB

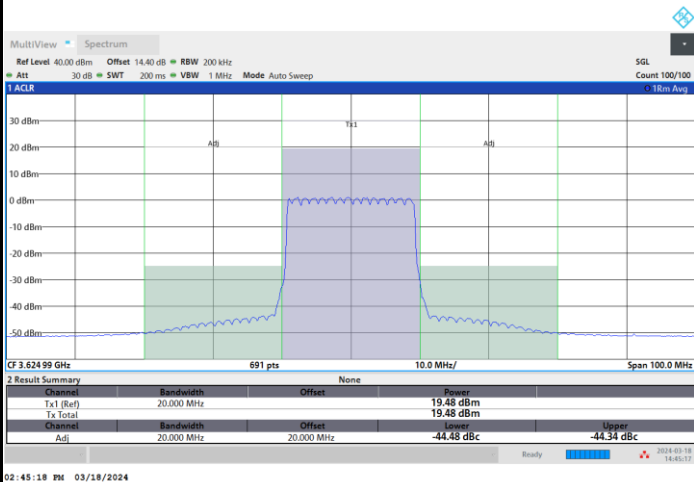




FR1 n48 / 20MHz / CP OFDM / 256QAM

Middle Channel

Full RB



FR1 n48 / 20MHz / CP OFDM / 256QAM

Highest Channel

Full RB

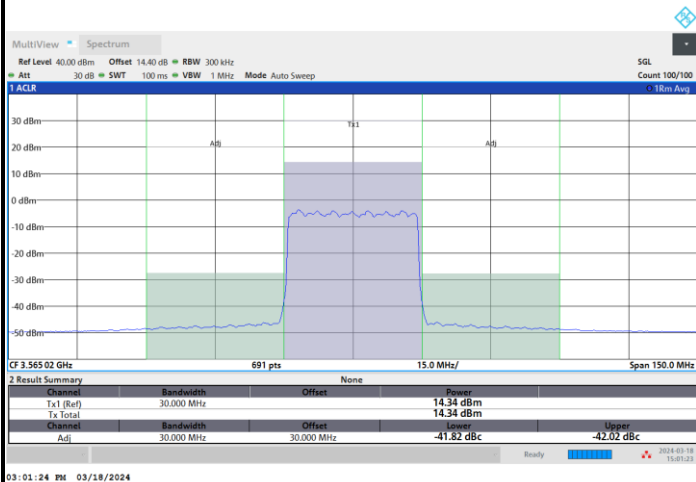




FR1 n48 / 30MHz / CP OFDM / QPSK

Lowest Channel

Full RB



FR1 n48 / 30MHz / CP OFDM / QPSK

Middle Channel

Full RB

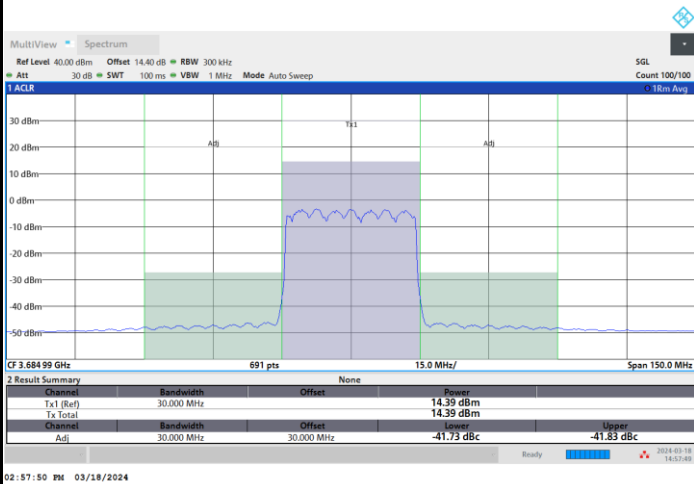




FR1 n48 / 30MHz / CP OFDM / QPSK

Highest Channel

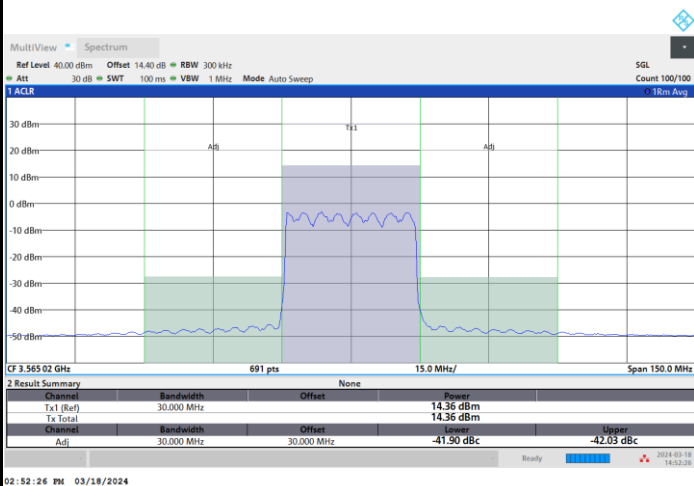
Full RB



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

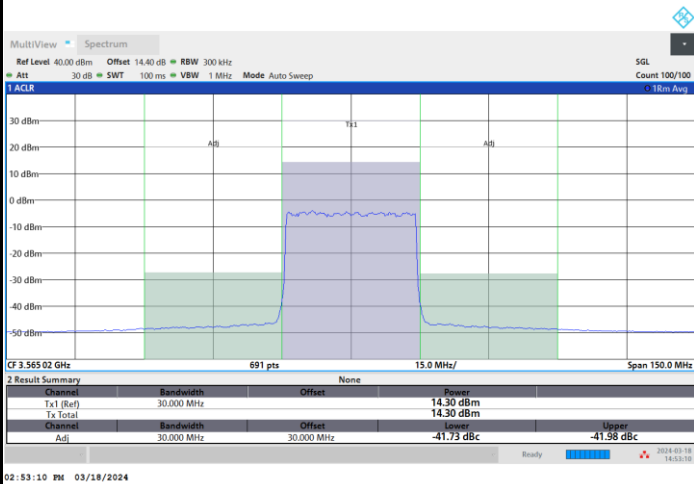




FR1 n48 / 30MHz / CP OFDM / 64QAM

Lowest Channel

Full RB



FR1 n48 / 30MHz / CP OFDM / 64QAM

Middle Channel

Full RB

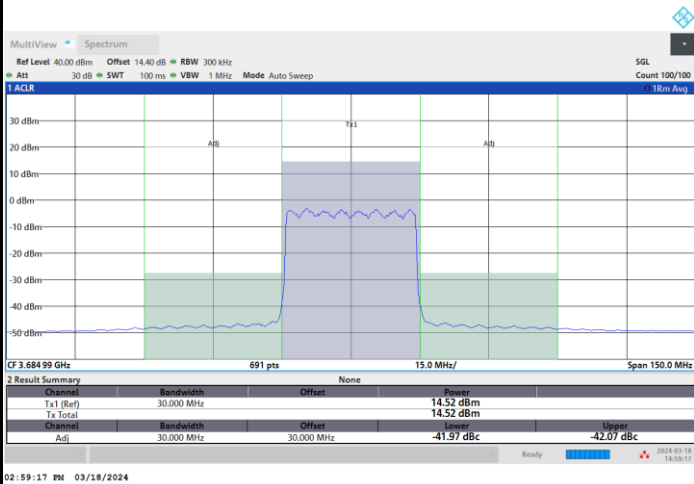




FR1 n48 / 30MHz / CP OFDM / 64QAM

Highest Channel

Full RB



FR1 n48 / 30MHz / CP OFDM / 256QAM

Lowest Channel

Full RB





FR1 n48 / 30MHz / CP OFDM / 256QAM

Middle Channel

Full RB



FR1 n48 / 30MHz / CP OFDM / 256QAM

Highest Channel

Full RB

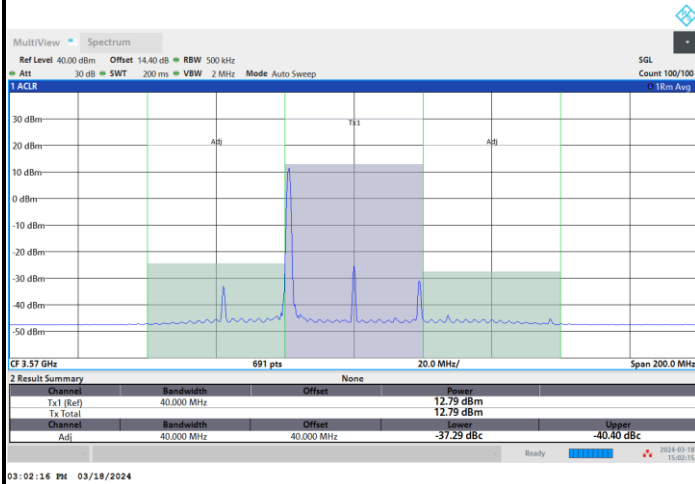




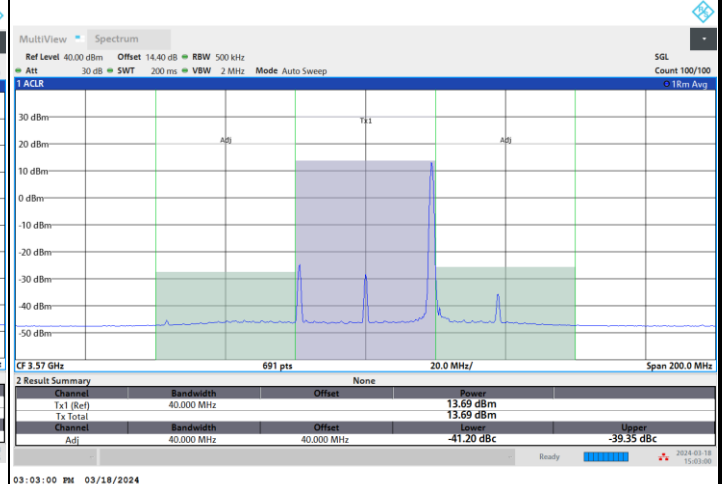
FR1 n48 / 40MHz / CP OFDM / QPSK

Lowest Channel

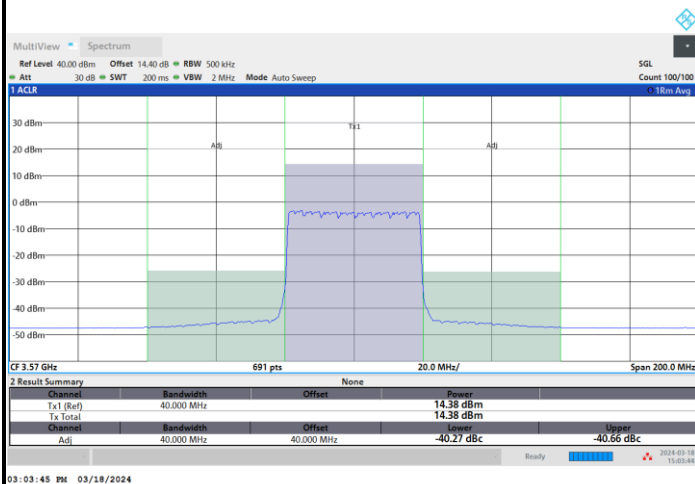
1RB0



1RBmax



Full RB

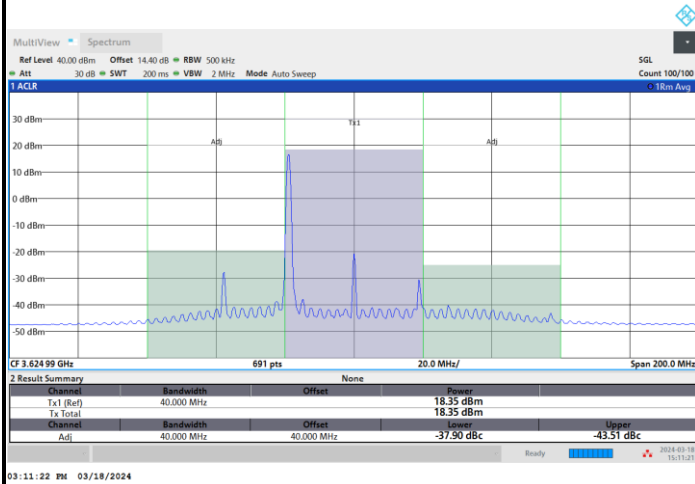




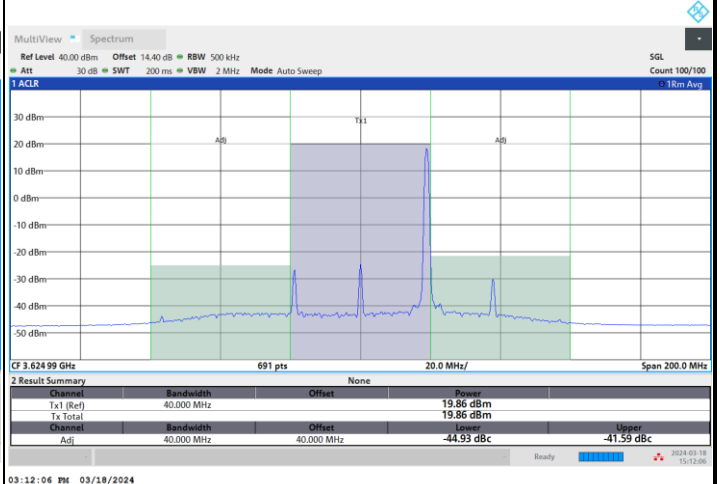
FR1 n48 / 40MHz / CP OFDM / QPSK

Middle Channel

1RB0



1RBmax



Full RB

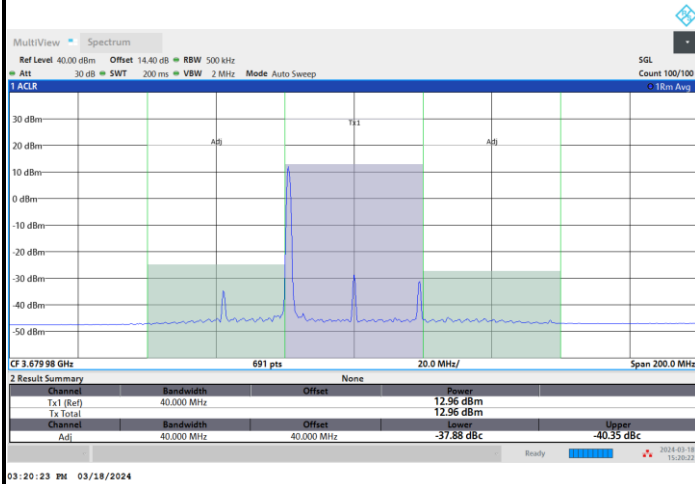




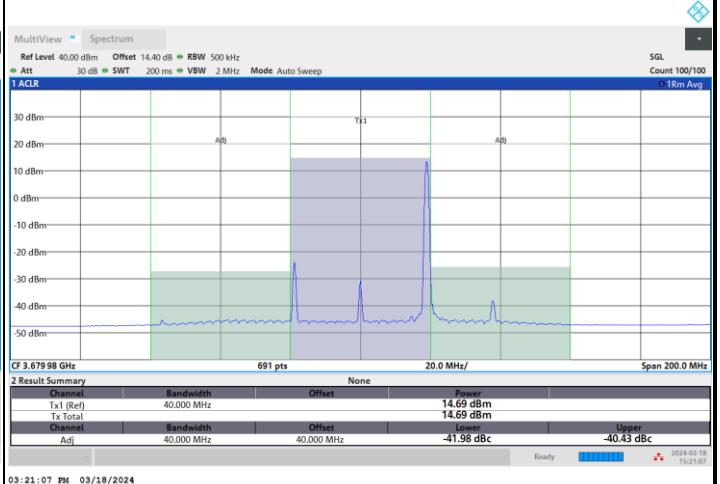
FR1 n48 / 40MHz / CP OFDM / QPSK

Highest Channel

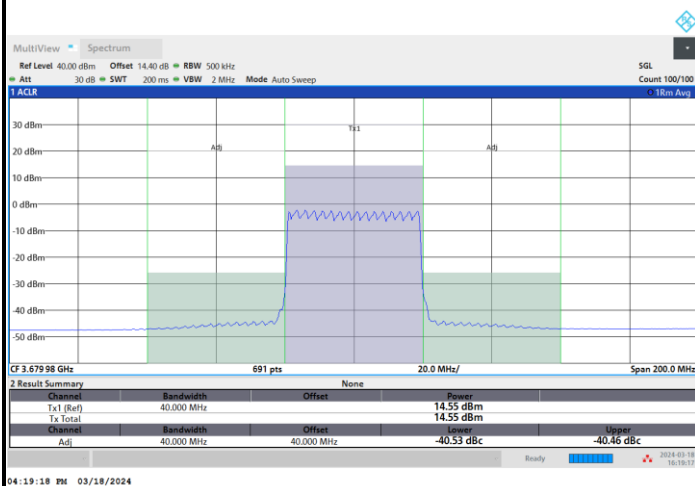
1RB0



1RBmax



Full RB

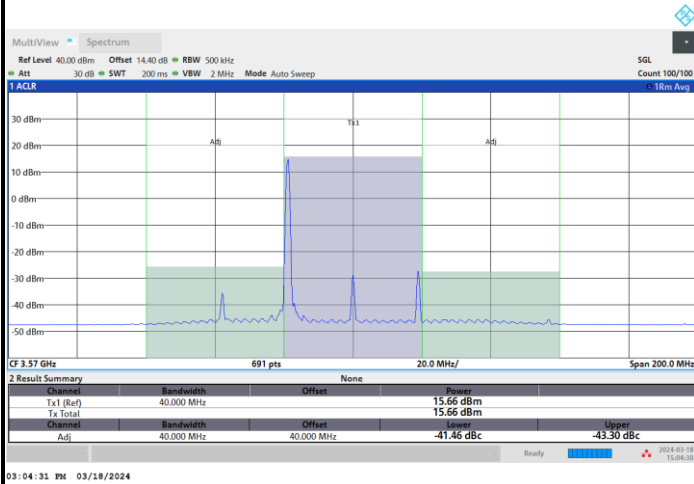




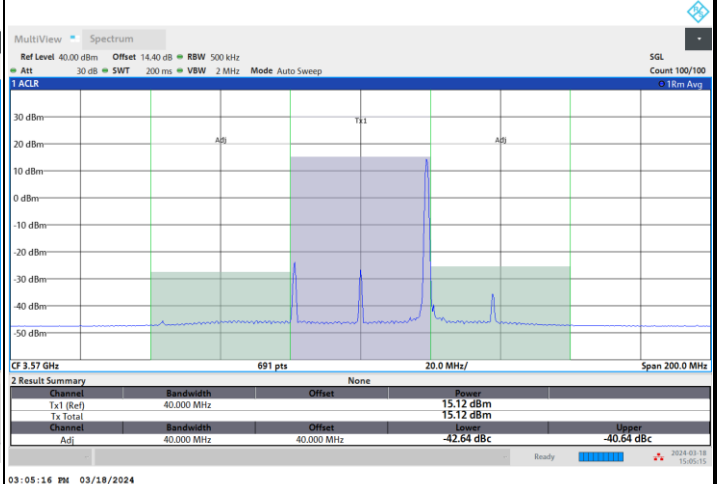
FR1 n48 / 40MHz / CP OFDM / 16QAM

Lowest Channel

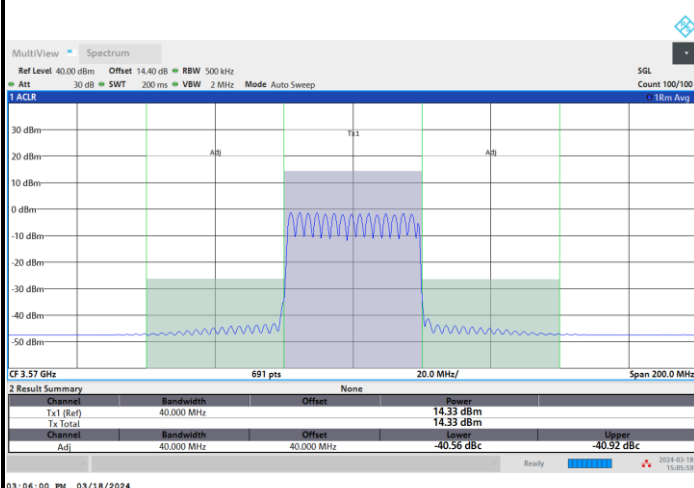
1RB0



1RBmax



Full RB

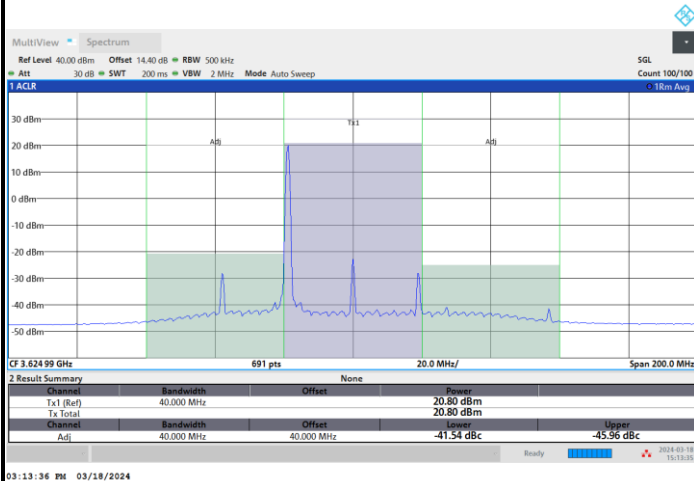




FR1 n48 / 40MHz / CP OFDM / 16QAM

Middle Channel

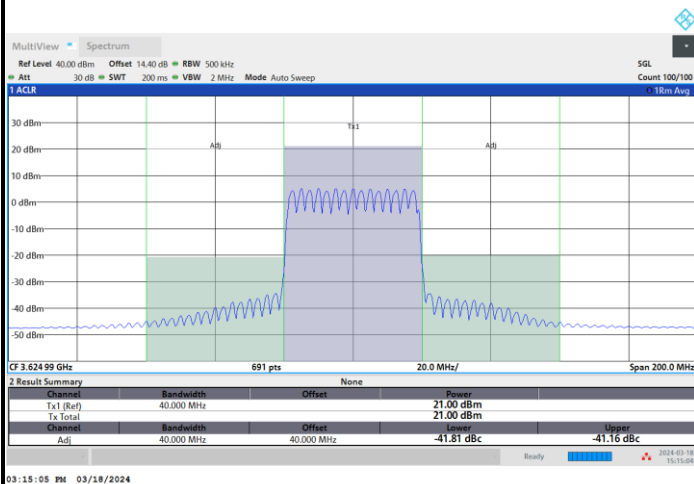
1RB0



1RBmax



Full RB

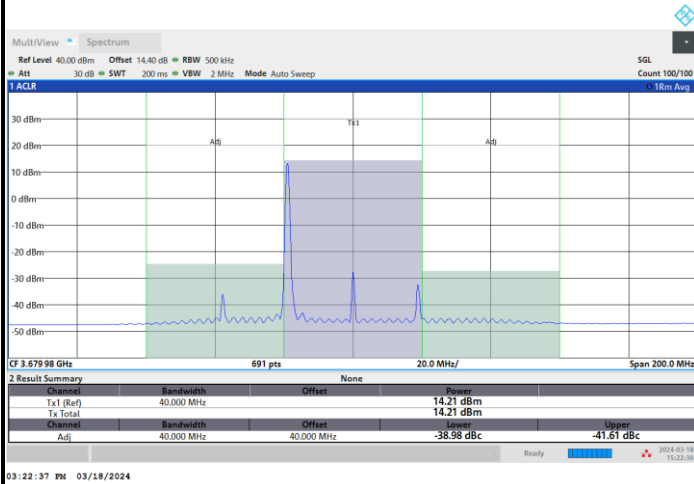




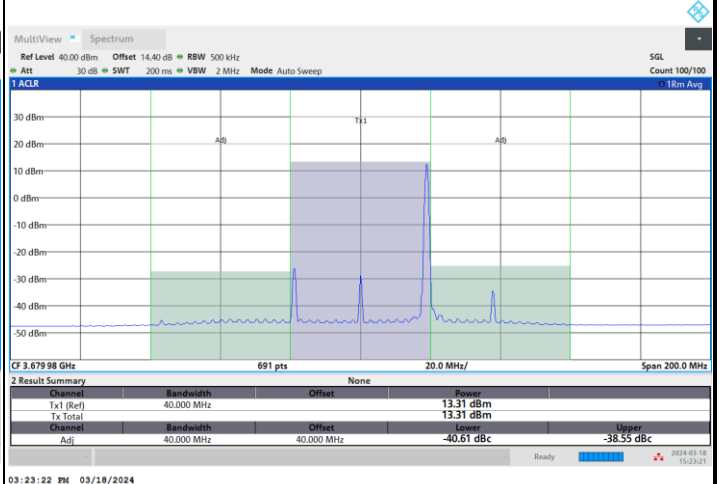
FR1 n48 / 40MHz / CP OFDM / 16QAM

Highest Channel

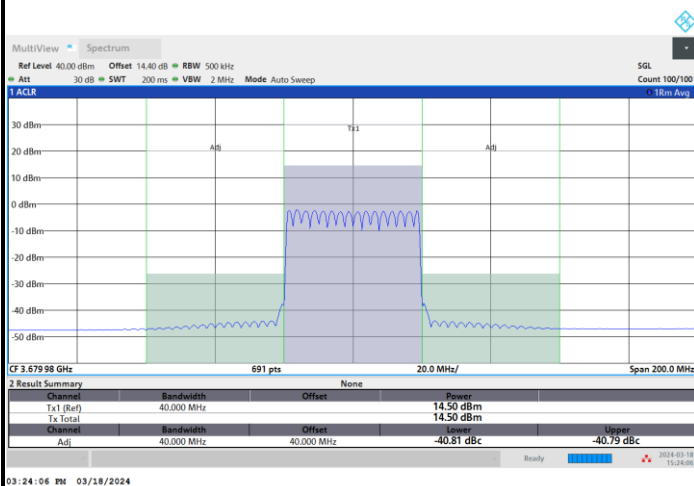
1RB0



1RBmax



Full RB

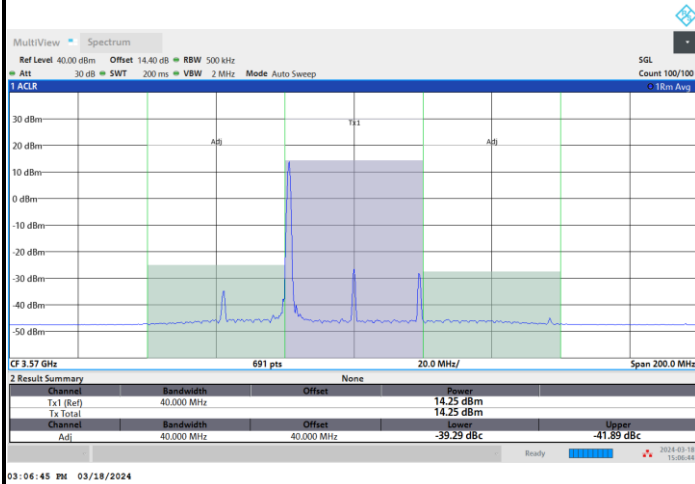




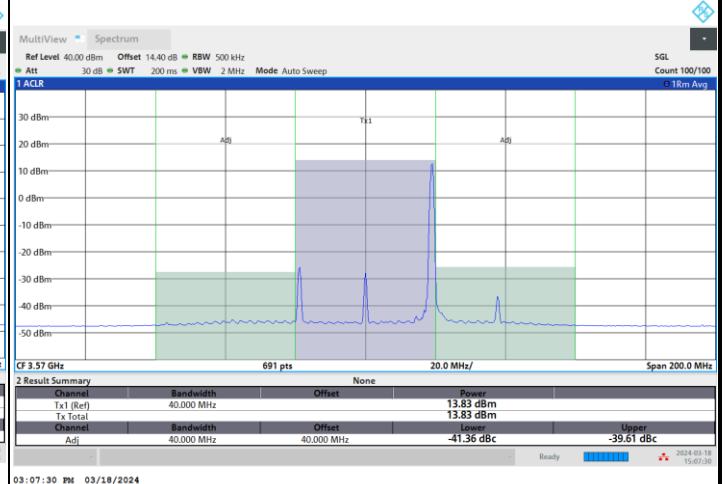
FR1 n48 / 40MHz / CP OFDM / 64QAM

Lowest Channel

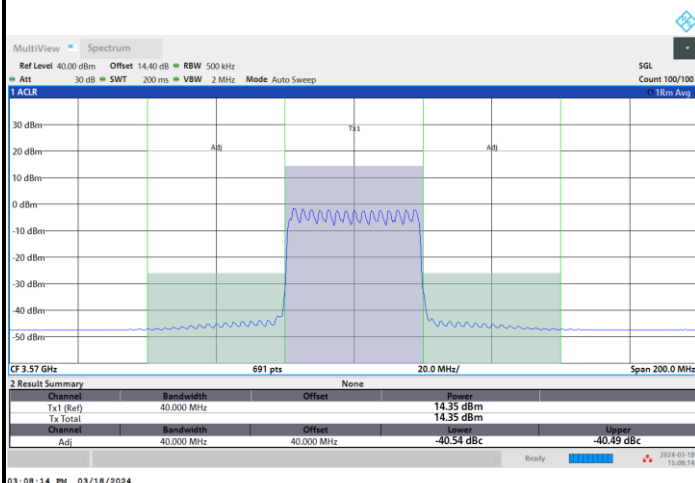
1RB0



1RBmax



Full RB





FR1 n48 / 40MHz / CP OFDM / 64QAM

Middle Channel

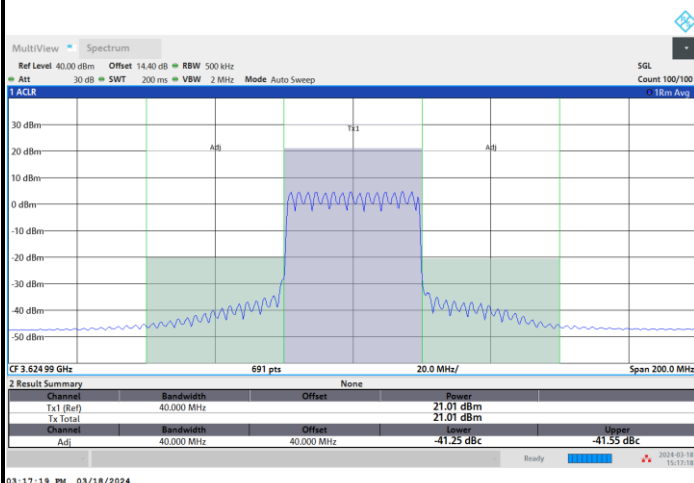
1RB0



1RBmax



Full RB

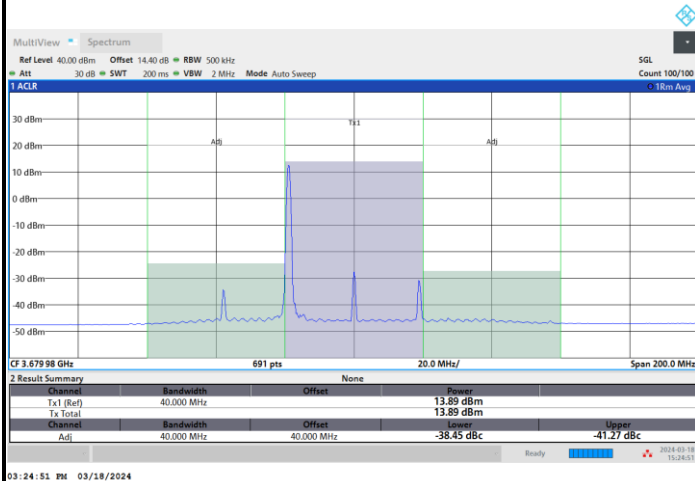




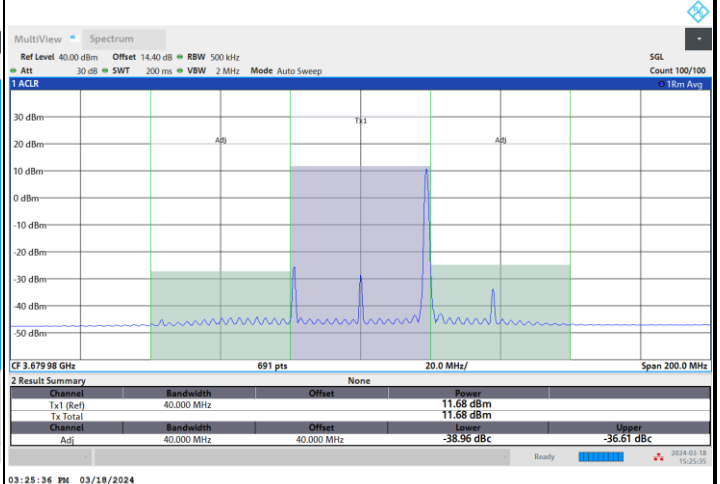
FR1 n48 / 40MHz / CP OFDM / 64QAM

Highest Channel

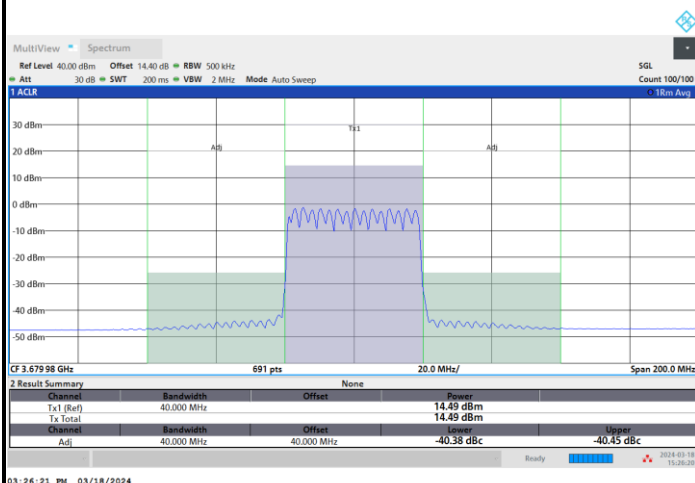
1RB0



1RBmax



Full RB

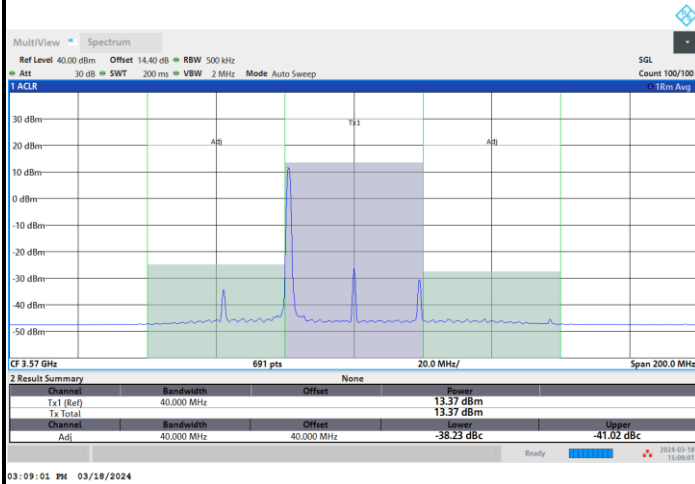




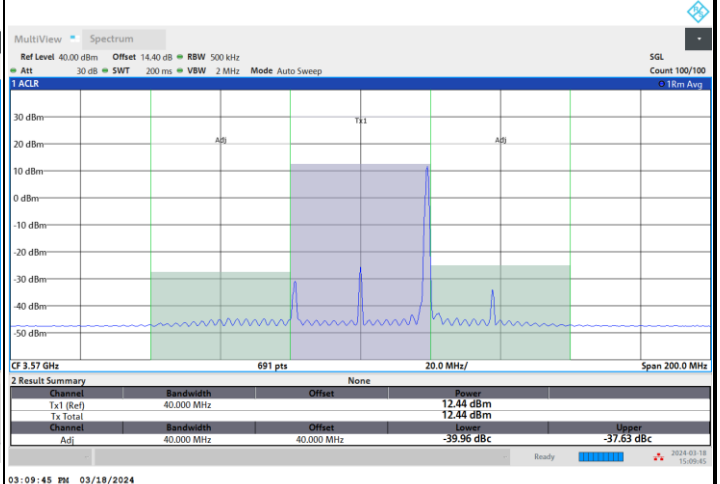
FR1 n48 / 40MHz / CP OFDM / 256QAM

Lowest Channel

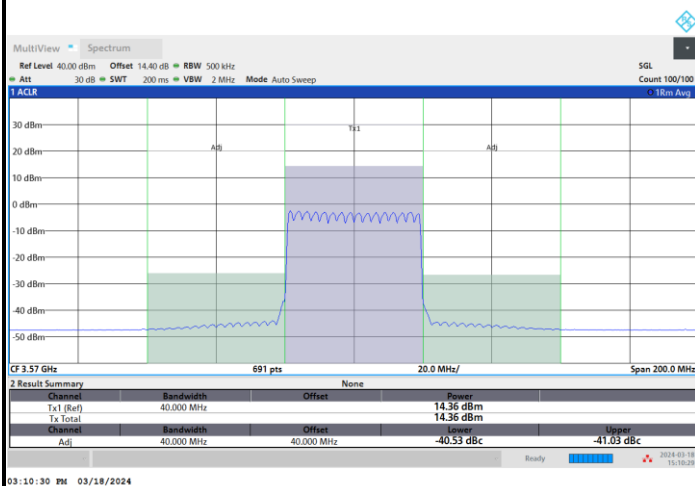
1RB0



1RBmax



Full RB

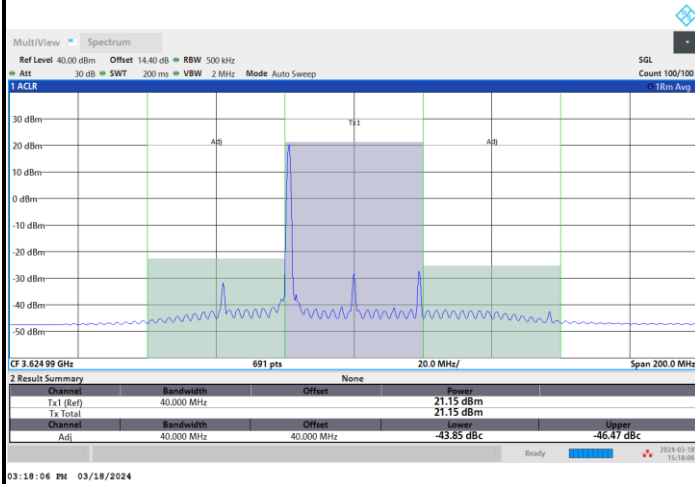




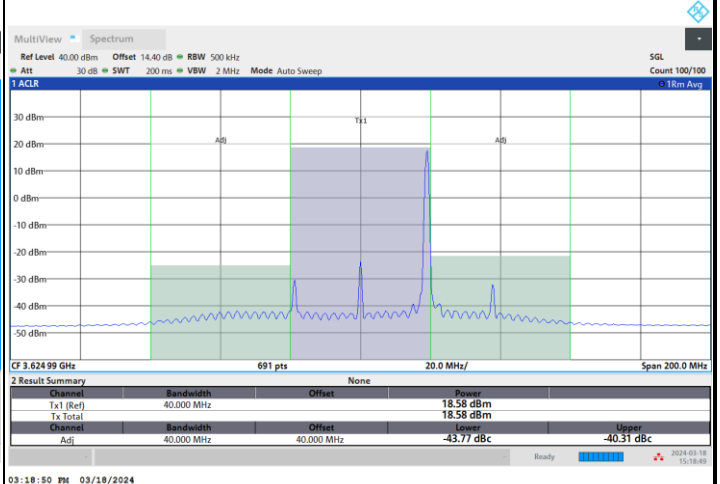
FR1 n48 / 40MHz / CP OFDM / 256QAM

Middle Channel

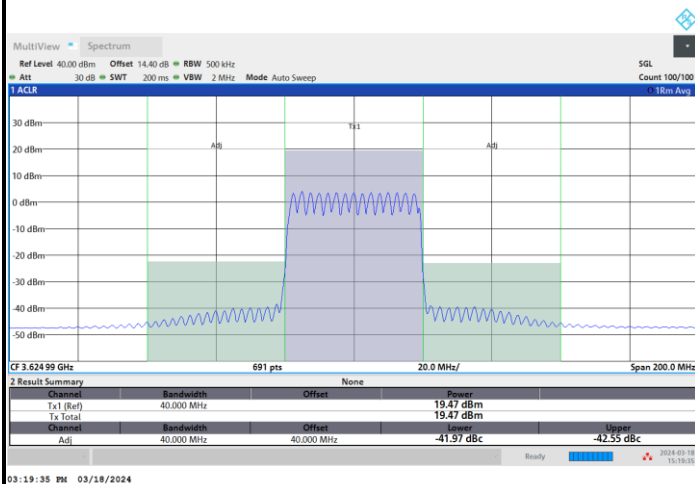
1RB0



1RBmax



Full RB

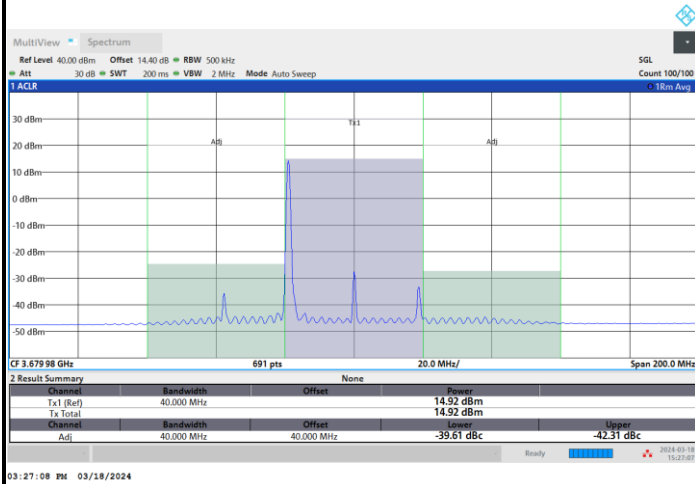




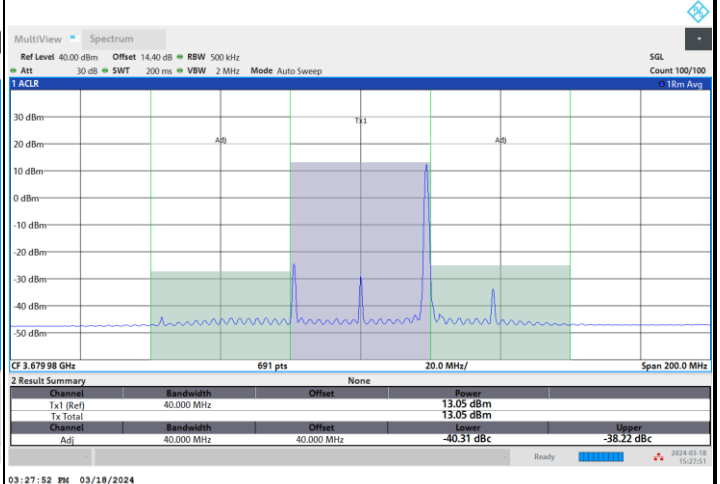
FR1 n48 / 40MHz / CP OFDM / 256QAM

Highest Channel

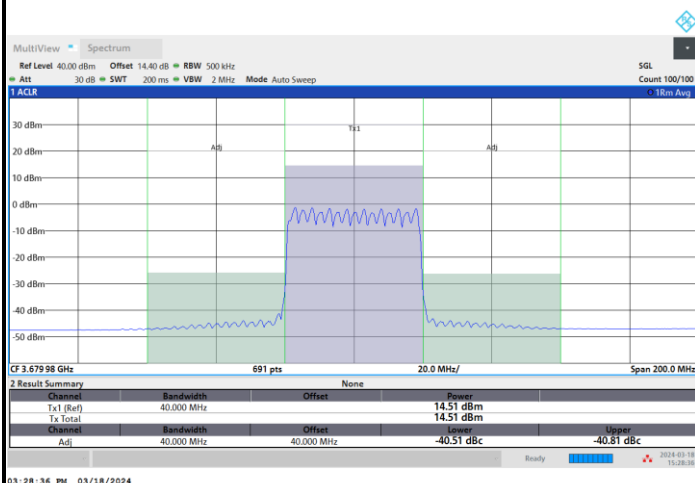
1RB0



1RBmax



Full RB

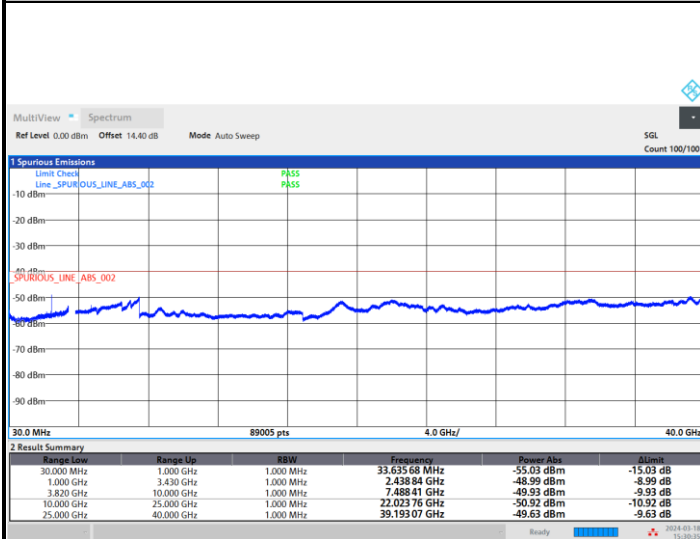




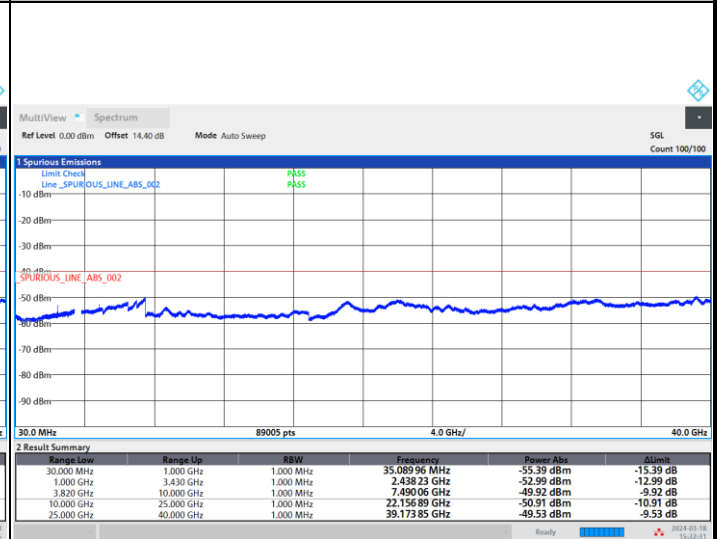
Conducted Spurious Emission

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

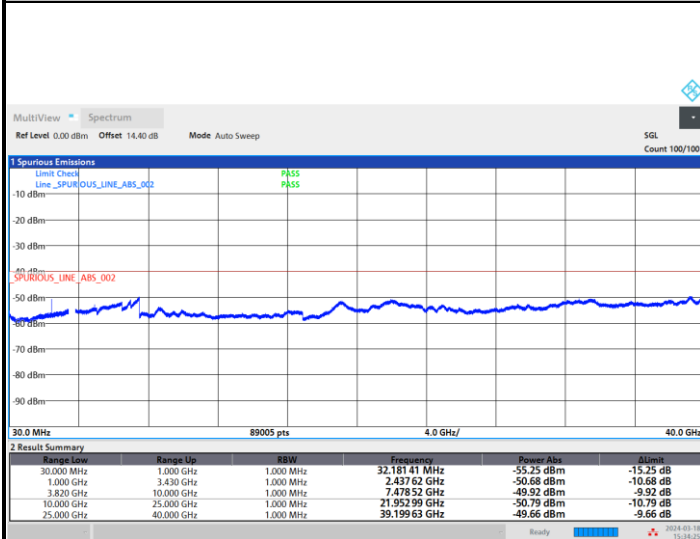
Lowest Channel



Middle Channel



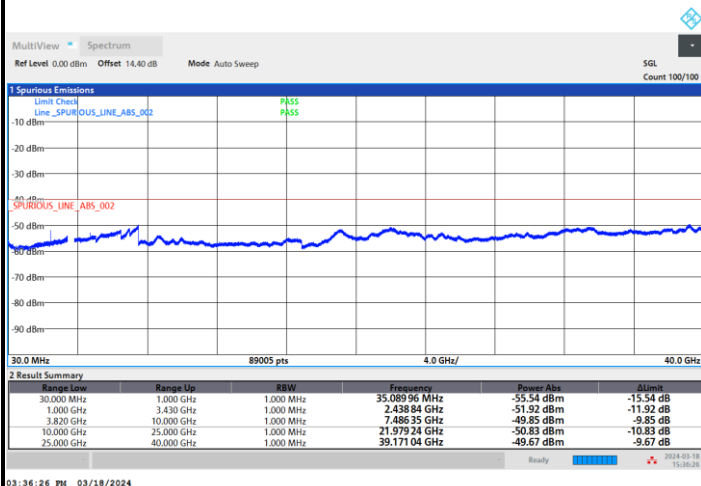
Highest Channel





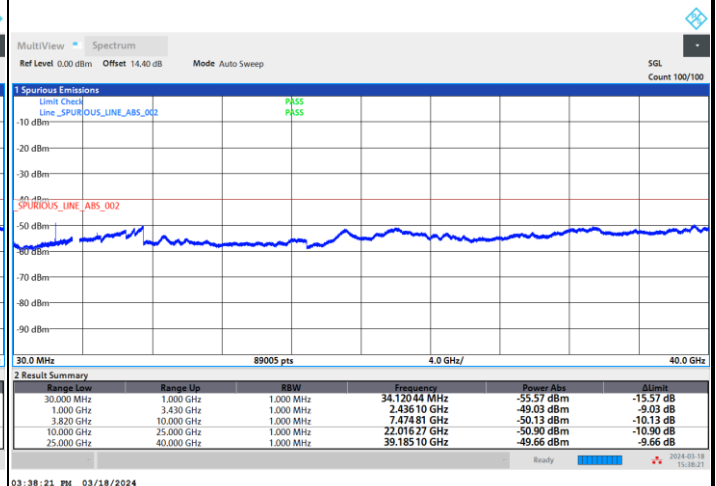
FR1 n48 / 15MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



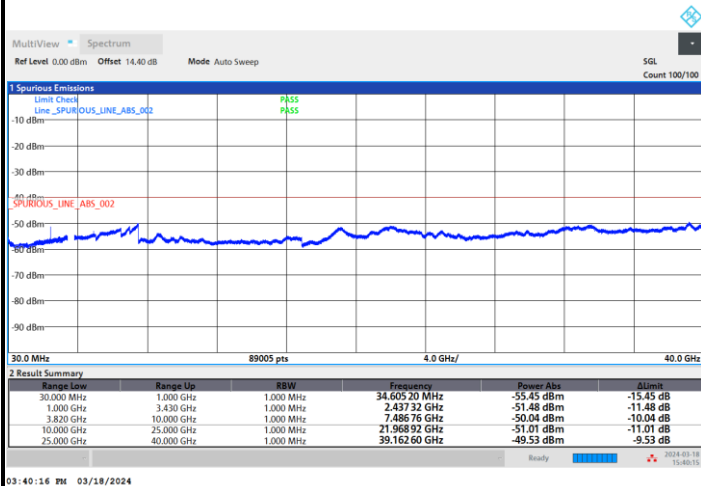
03:36:26 PM 03/18/2024

Middle Channel



03:38:21 PM 03/18/2024

Highest Channel

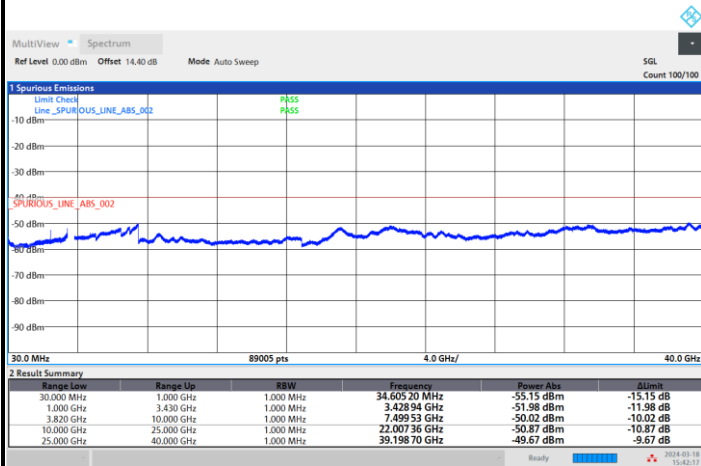


03:40:16 PM 03/18/2024



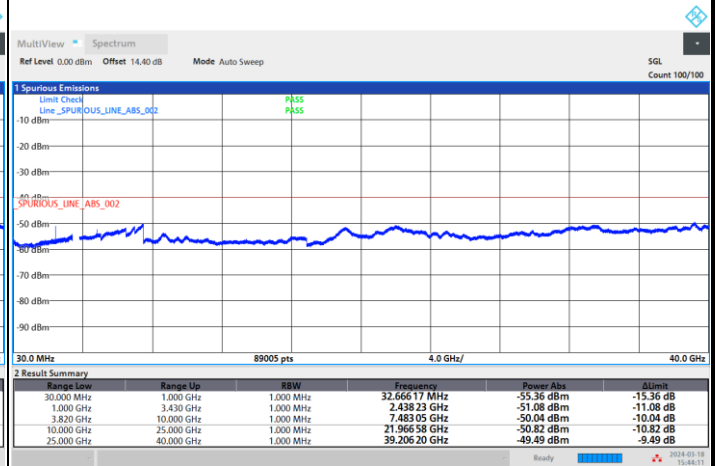
FR1 n48 / 20MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



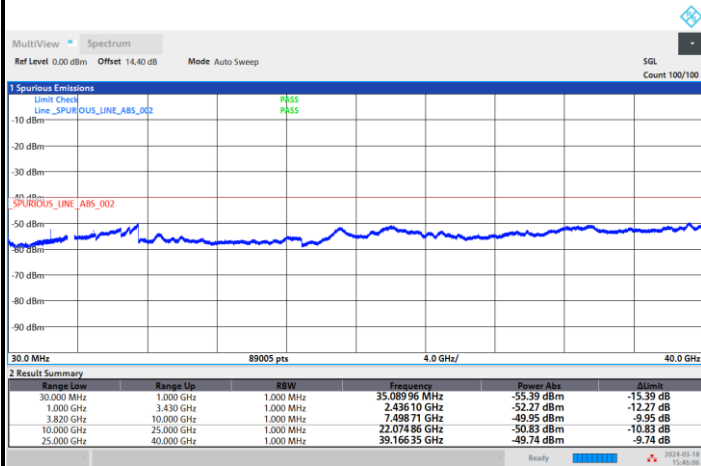
03:42:17 PM 03/18/2024

Middle Channel



03:44:12 PM 03/18/2024

Highest Channel

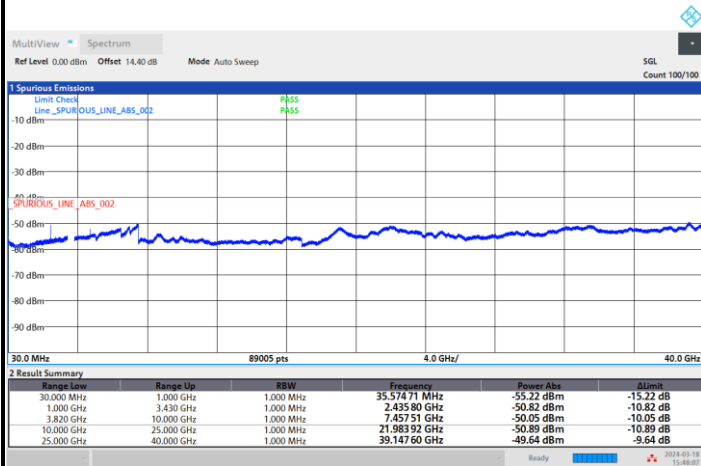


03:46:06 PM 03/18/2024



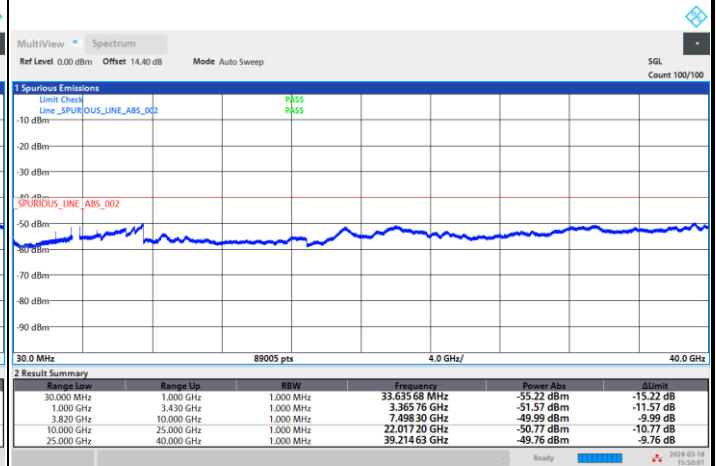
FR1 n48 / 30MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



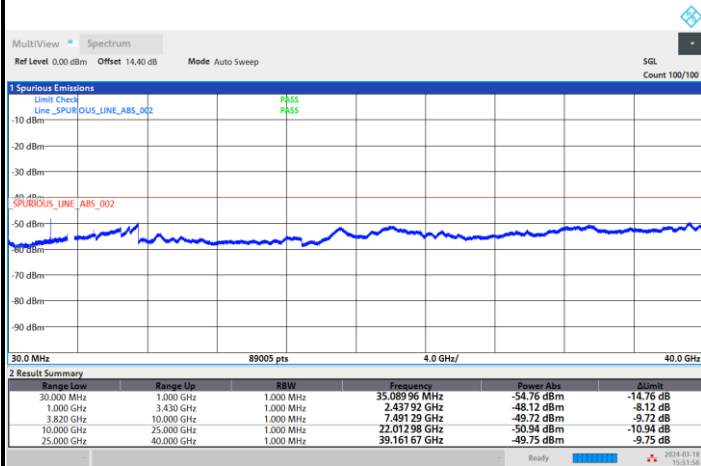
03:48:07 PM 03/18/2024

Middle Channel



03:50:02 PM 03/18/2024

Highest Channel

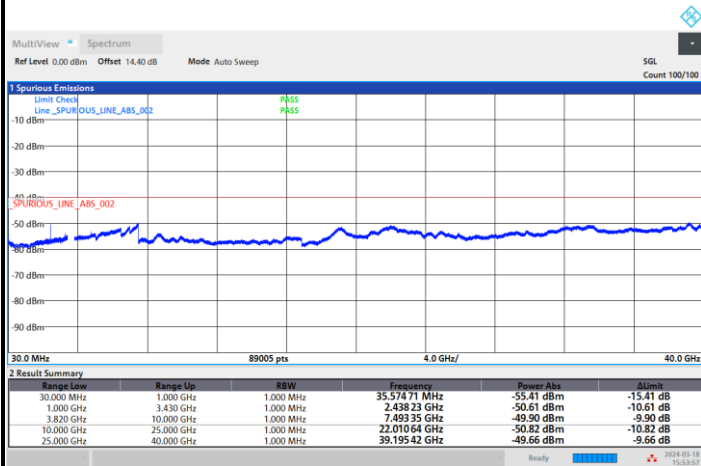


03:51:57 PM 03/18/2024



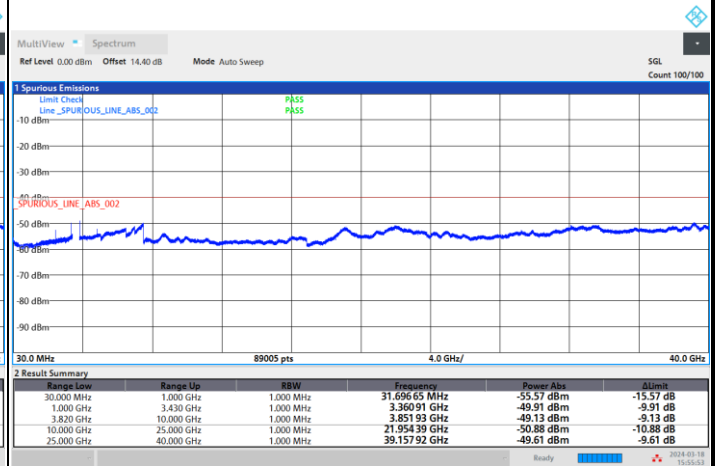
FR1 n48 / 40MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



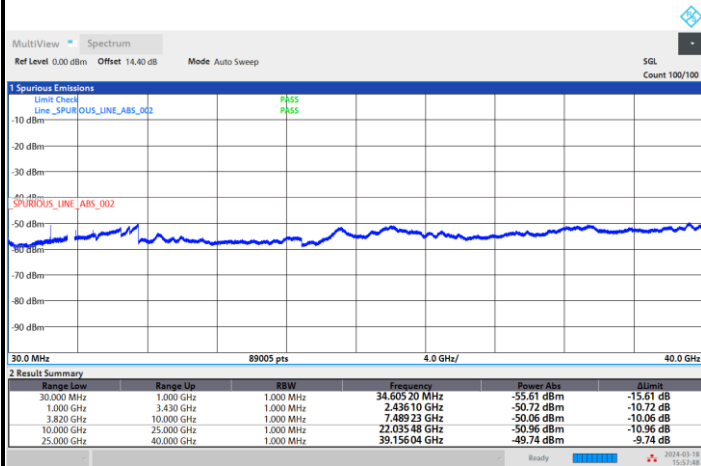
03:53:58 PM 03/18/2024

Middle Channel



03:55:53 PM 03/18/2024

Highest Channel



03:57:48 PM 03/18/2024

Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0055	PASS
40	Normal Voltage	0.0071	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0069	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0082	
20	Maximum Voltage	0.0054	
20	Normal Voltage	0.0066	
20	Battery End Point	0.0066	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 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 PC2	H	14725	-50.40	RMS	41.65	-23.00	0.42	-95.23	25.76	-40.00	-10.40	H	Ant6+1
2	Part 96	NR SA n48 PC2	H	14725	-50.46	RMS	41.65	-23.00	0.42	-95.23	25.70	-40.00	-10.46	V	Ant7+5

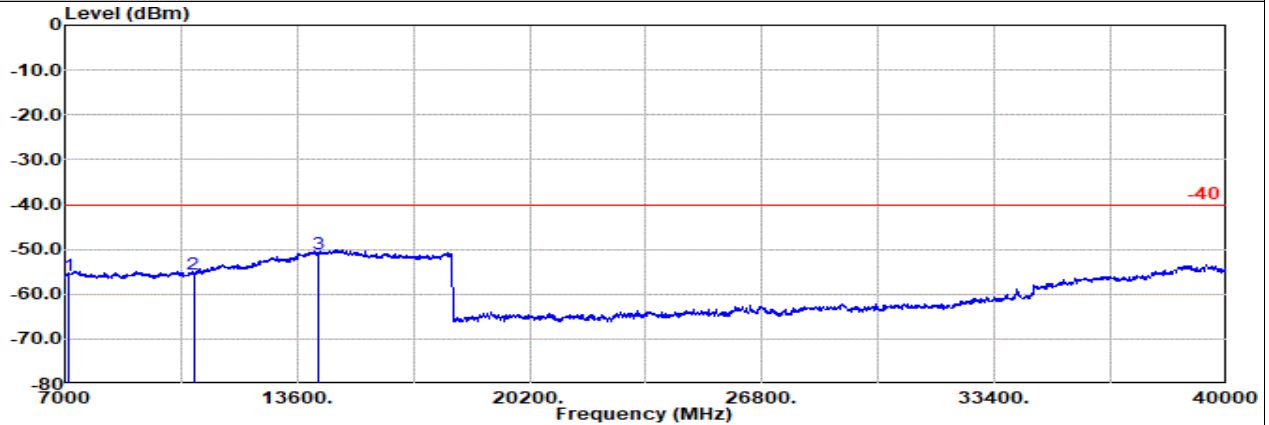


Ant6+1

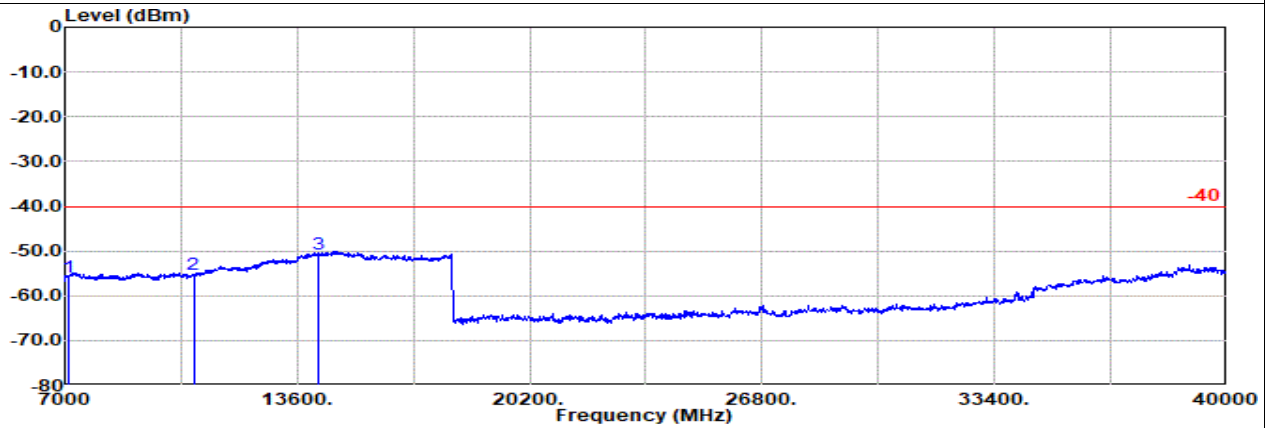
Part 96 Mode 1

NR SA n48 PC2 20M Ch637334 1RB1 BPSK

L



	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	l				g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm	dB	
1	7103.00	-55.88	RMS	36.41	-21.43	1.19	-95.23	23.18	-40.00	-15.88	Horizontal
2	10654.00	-55.52	RMS	37.50	-21.68	0.44	-95.23	23.45	-40.00	-15.52	Horizontal
3	14205.00	-51.01	RMS	41.00	-22.35	0.41	-95.23	25.16	-40.00	-11.01	Horizontal



	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	7103.00	-55.83	RMS	36.41	-21.43	1.19	-95.23	23.23	-40.00	-15.83	Vertical
2	10654.00	-55.39	RMS	37.50	-21.68	0.44	-95.23	23.58	-40.00	-15.39	Vertical
3	14205.00	-50.84	RMS	41.00	-22.35	0.41	-95.23	25.33	-40.00	-10.84	Vertical

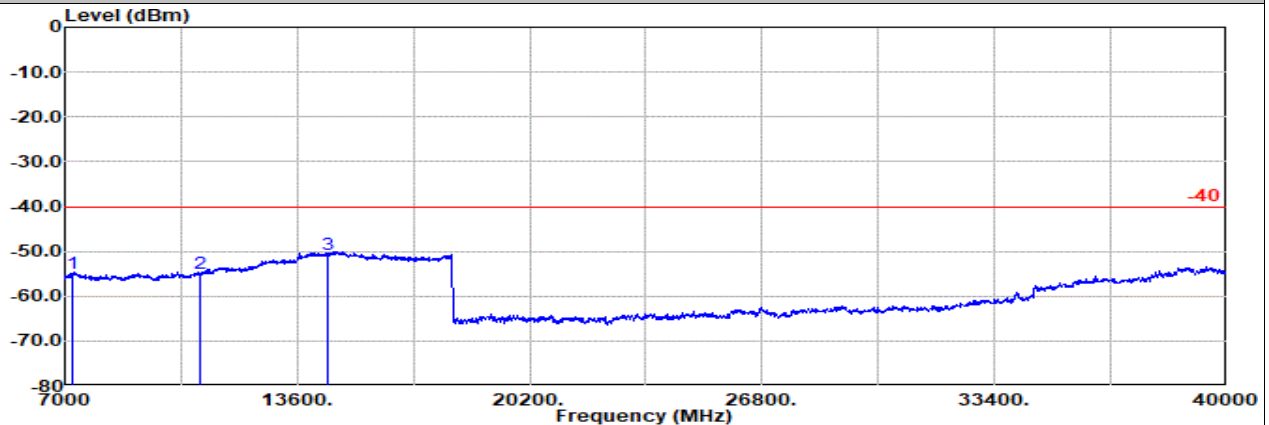


Ant6+1

Part 96 Mode 1

NR SA n48 PC2 20M Ch641666 1RB1 BPSK

M

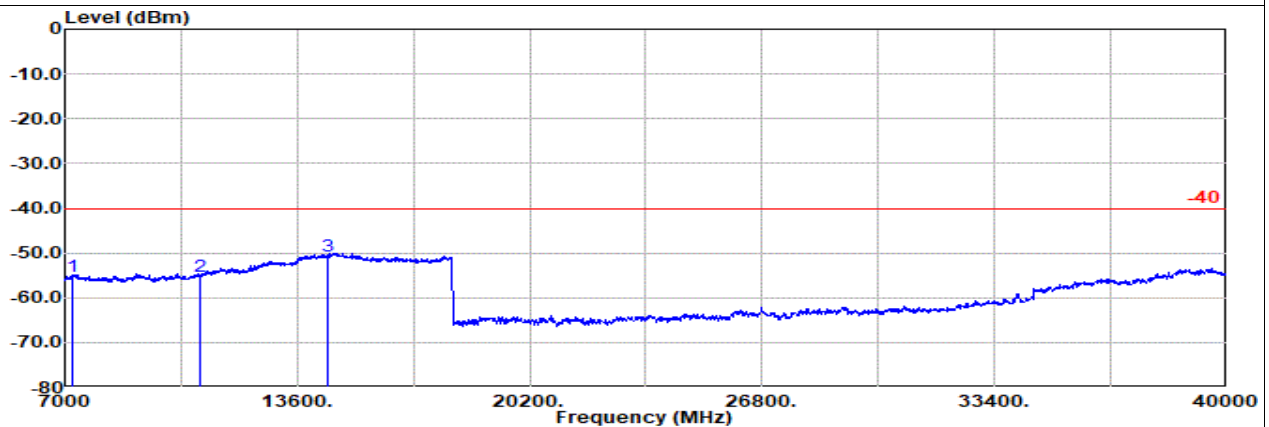


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_230710 Horizontal

: SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	7233.00	-54.85	RMS	36.87	-21.34	1.13	-95.23	23.72	-40.00	-14.85 Horizontal
2	10849.00	-54.80	RMS	37.50	-21.65	0.44	-95.23	24.14	-40.00	-14.80 Horizontal
3	14465.00	-50.65	RMS	41.16	-22.73	0.42	-95.23	25.73	-40.00	-10.65 Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_230710 Vertical

: SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	7233.00	-55.24	RMS	36.87	-21.34	1.13	-95.23	23.33	-40.00	-15.24 Vertical
2	10849.00	-55.34	RMS	37.50	-21.65	0.44	-95.23	23.60	-40.00	-15.34 Vertical
3	14465.00	-50.74	RMS	41.16	-22.73	0.42	-95.23	25.64	-40.00	-10.74 Vertical

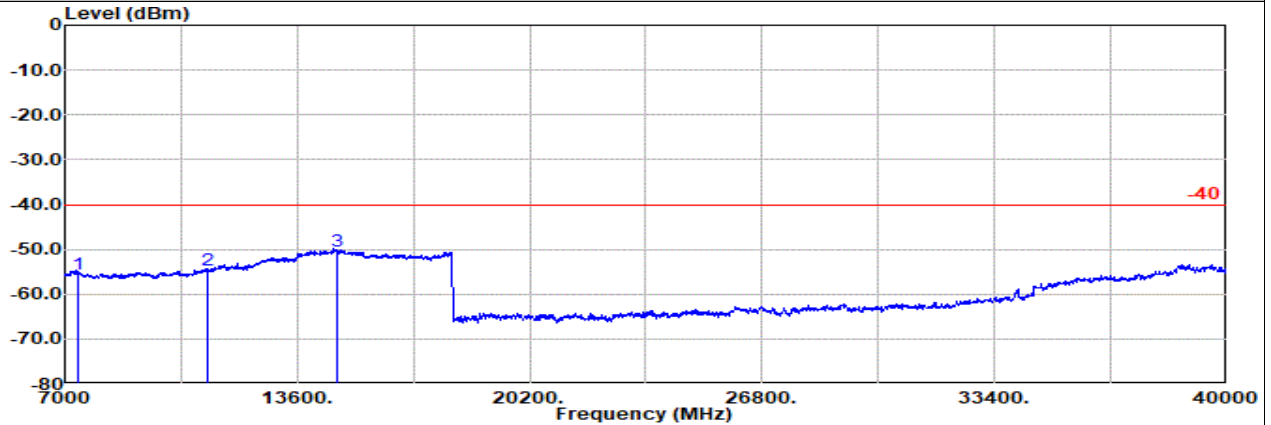


Ant6+1

Part 96 Mode 1

NR SA n48 PC2 20M Ch646000 1RB1 BPSK

H

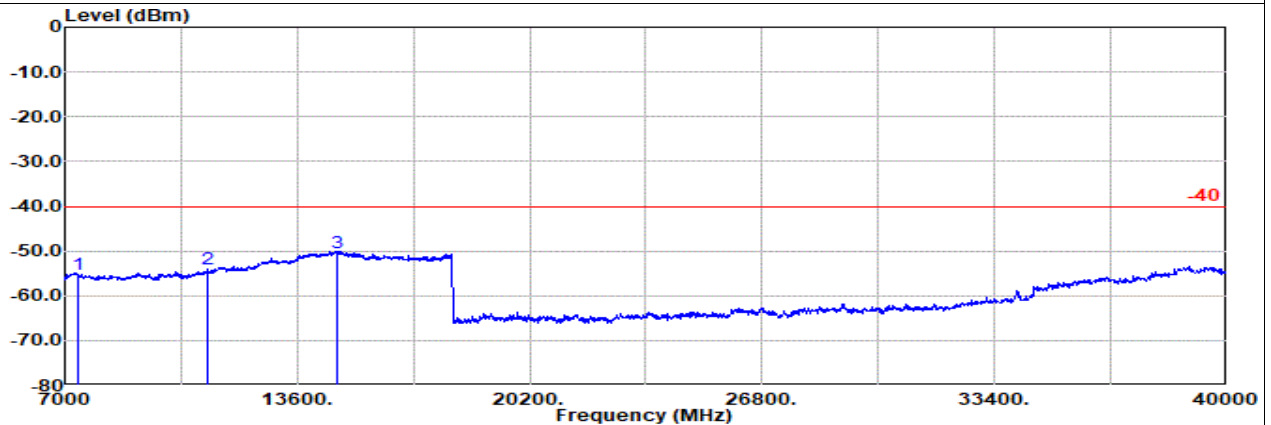


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_230710 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit	Margin Pol	
					dB/m	dB					
1	7363.00	-55.42	RMS		36.97	-21.28	1.05	-95.23	23.07	-40.00	-15.42 Horizontal
2	11044.00	-54.56	RMS		37.98	-21.61	0.44	-95.23	23.86	-40.00	-14.56 Horizontal
3	14725.00	-50.40	RMS		41.65	-23.00	0.42	-95.23	25.76	-40.00	-10.40 Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_230710 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit	Margin Pol	
					dB/m	dB					
1	7363.00	-55.27	RMS		36.97	-21.28	1.05	-95.23	23.22	-40.00	-15.27 Vertical
2	11044.00	-53.95	RMS		37.98	-21.61	0.44	-95.23	24.47	-40.00	-13.95 Vertical
3	14725.00	-50.52	RMS		41.65	-23.00	0.42	-95.23	25.64	-40.00	-10.52 Vertical

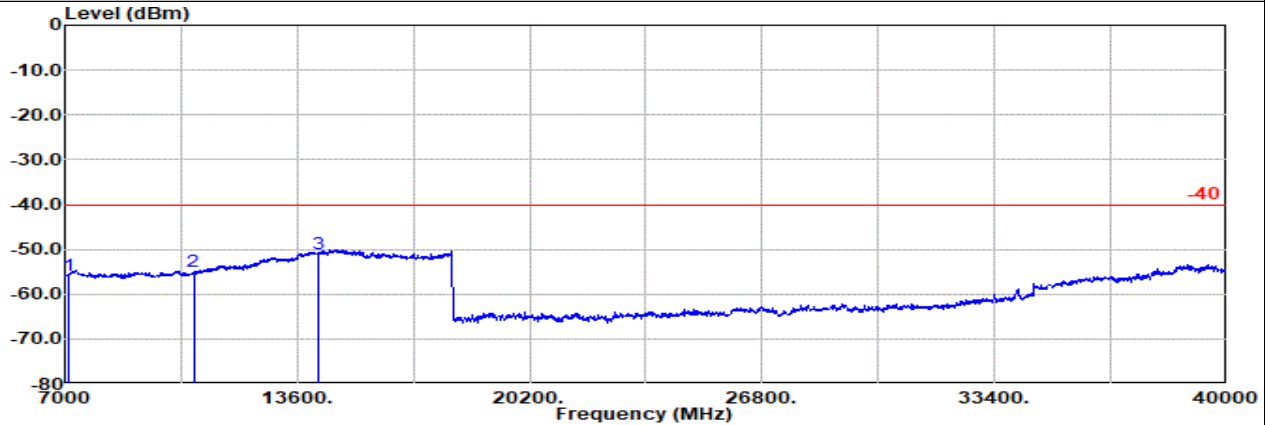


Ant7+5

Part 96 Mode 2

NR SA n48 PC2 20M Ch637334 1RB1 BPSK

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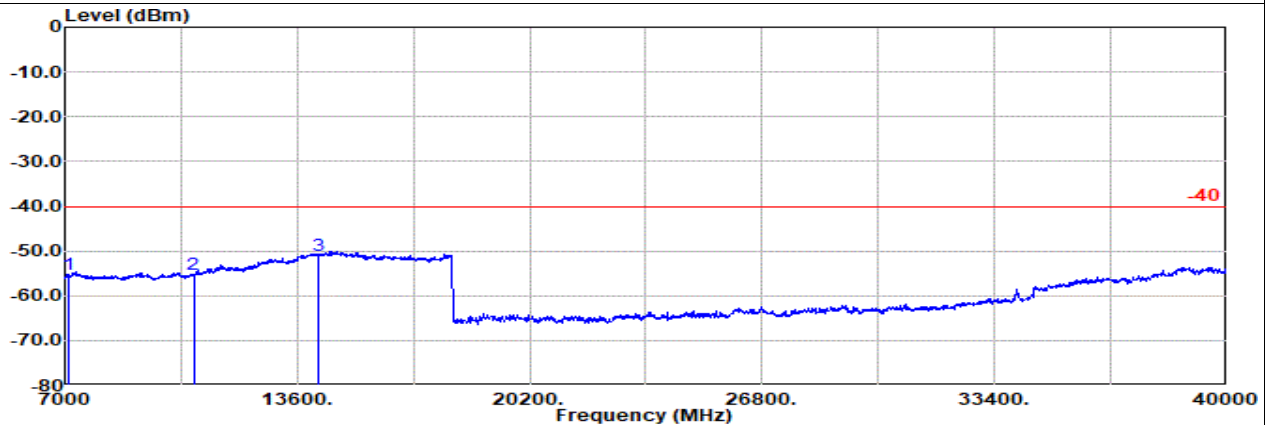


Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal

: SA n48 20M Ch637334 1RB1 BPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7103.00	-55.77	RMS	36.41	-21.43	1.19	-95.23	0.00	-40.00	-15.77	Horizontal	
2	10654.00	-54.98	RMS	37.50	-21.68	0.44	-95.23	23.99	-40.00	-14.98	Horizontal	
3	14205.00	-51.07	RMS	41.00	-22.35	0.41	-95.23	25.10	-40.00	-11.07	Horizontal	



Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Vertical

: SA n48 20M Ch637334 1RB1 BPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7103.00	-55.20	RMS	36.41	-21.43	1.19	-95.23	23.86	-40.00	-15.20	Vertical	
2	10654.00	-55.14	RMS	37.50	-21.68	0.44	-95.23	23.83	-40.00	-15.14	Vertical	
3	14205.00	-51.15	RMS	41.00	-22.35	0.41	-95.23	25.02	-40.00	-11.15	Vertical	

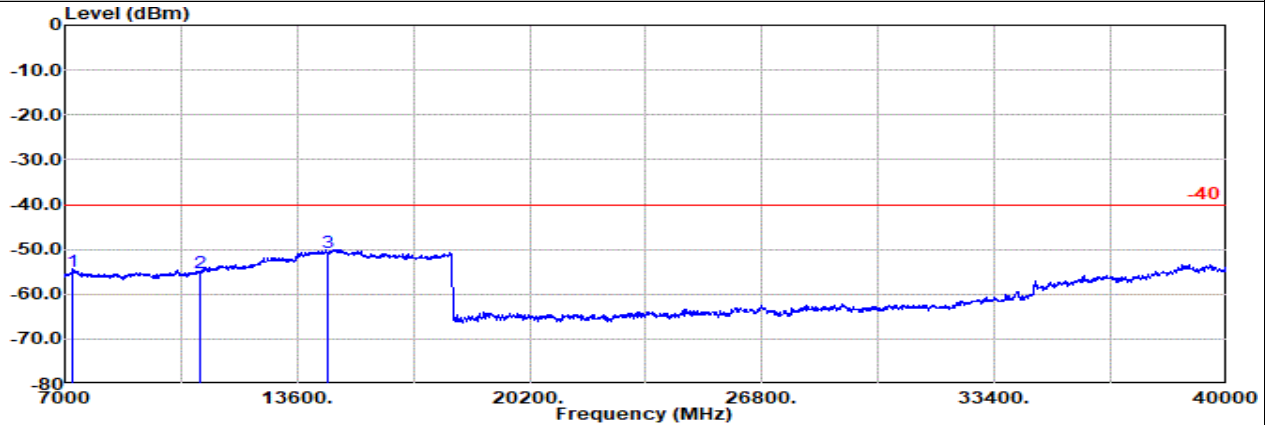


Ant7+5

Part 96 Mode 2

NR SA n48 PC2 20M Ch641666 1RB1 BPSK

M

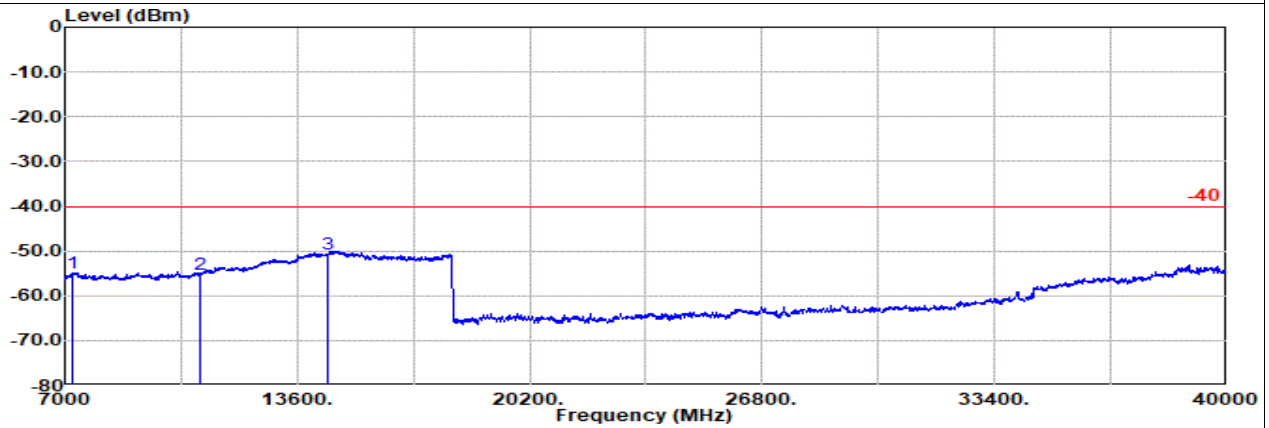


Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal

: SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit		Margin	Pol
					dB/m	dB			dBuV	dBm		
1	7233.00	-55.01	RMS		36.87	-21.34	1.13	-95.23	23.56	-40.00	-15.01	Horizontal
2	10849.00	-55.12	RMS		37.50	-21.65	0.44	-95.23	23.82	-40.00	-15.12	Horizontal
3	14465.00	-50.81	RMS		41.16	-22.73	0.42	-95.23	25.57	-40.00	-10.81	Horizontal



Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Vertical

: SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit		Margin	Pol
					dB/m	dB			dBuV	dBm		
1	7233.00	-55.04	RMS		36.87	-21.34	1.13	-95.23	23.53	-40.00	-15.04	Vertical
2	10849.00	-55.26	RMS		37.50	-21.65	0.44	-95.23	23.68	-40.00	-15.26	Vertical
3	14465.00	-50.73	RMS		41.16	-22.73	0.42	-95.23	25.65	-40.00	-10.73	Vertical

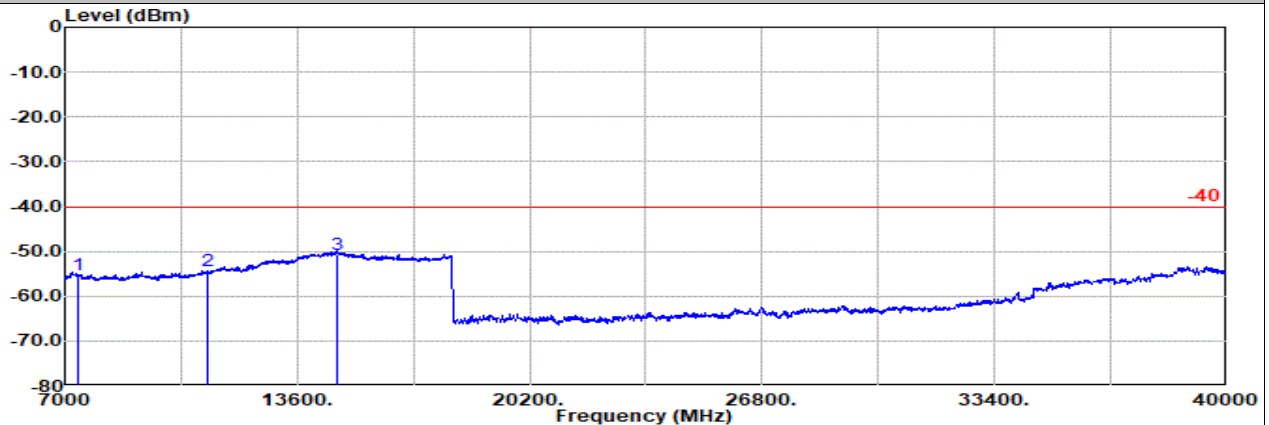


Ant7+5

Part 96 Mode 2

NR SA n48 PC2 20M Ch646000 1RB1 BPSK

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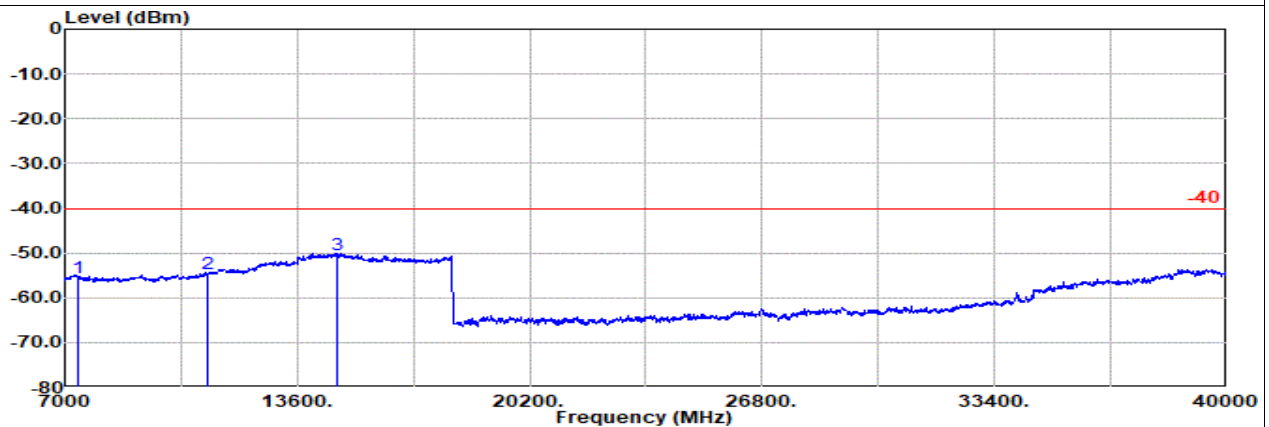


Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Reading	Limit	Margin		Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	7363.00	-55.38	RMS		36.97	-21.28	1.05	-95.23	23.11	-40.00	-15.38		Horizontal
2	11044.00	-54.48	RMS		37.98	-21.61	0.44	-95.23	23.94	-40.00	-14.48		Horizontal
3	14725.00	-50.60	RMS		41.65	-23.00	0.42	-95.23	25.56	-40.00	-10.60		Horizontal



Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Reading	Limit	Margin		Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	7363.00	-55.51	RMS		36.97	-21.28	1.05	-95.23	22.98	-40.00	-15.51		Vertical
2	11044.00	-54.50	RMS		37.98	-21.61	0.44	-95.23	23.92	-40.00	-14.50		Vertical
3	14725.00	-50.46	RMS		41.65	-23.00	0.42	-95.23	25.70	-40.00	-10.46		Vertical

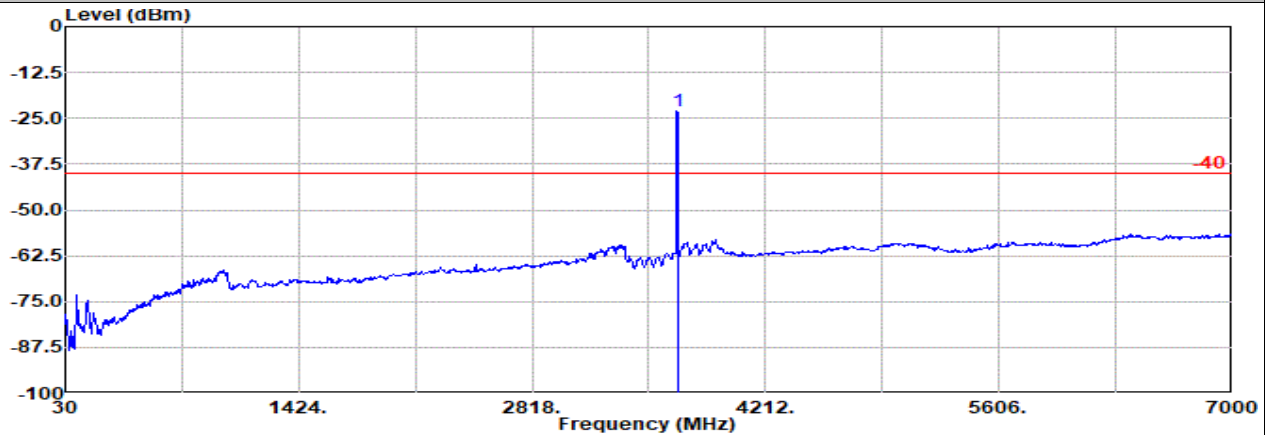


Ant6+1

Part 96 Mode 1

NR SA n48 PC2 20M Ch646000 1RB1 BPSK

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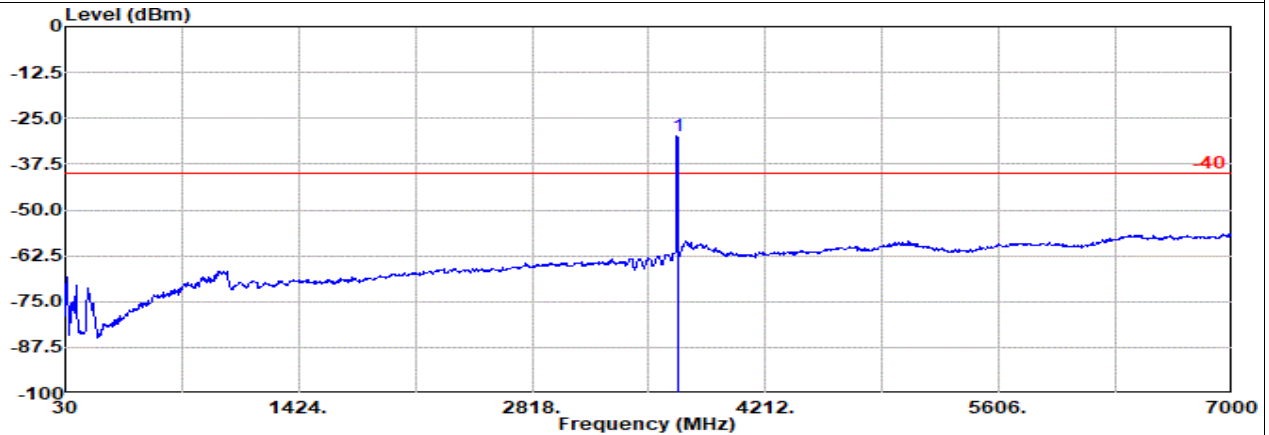
Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		Factor	dB	dB	dB	dBuV	dBm	dB	
1	3690.00	-22.92	RMS	29.80	-23.23	0.56	-95.23	65.18	-40.00	17.08	Horizontal



Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		Factor	dB	dB	dB	dBuV	dBm	dB	
1	3690.00	-29.92	RMS	29.80	-23.23	0.56	-95.23	58.18	-40.00	10.08	Vertical

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

—THE END—