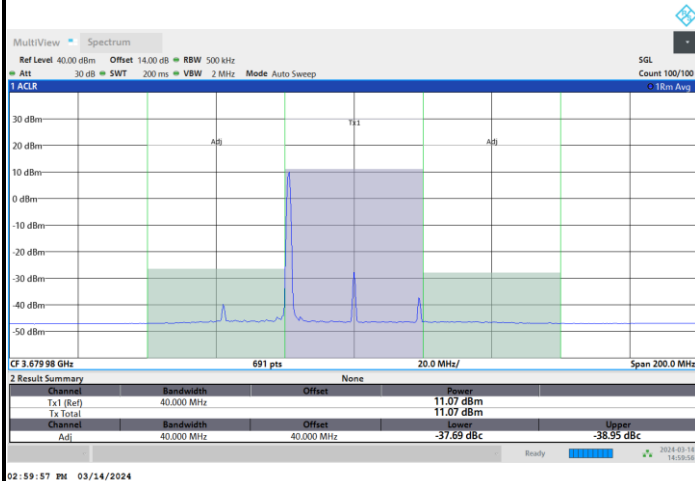




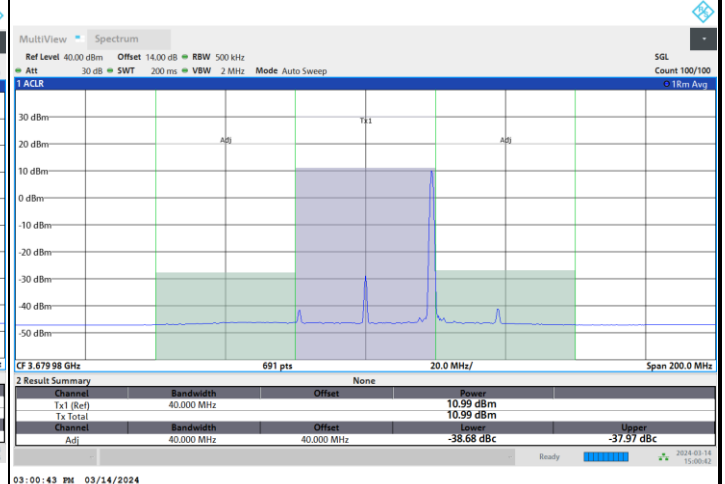
FR1 n48 / 40MHz / CP OFDM / 16QAM

Highest Channel

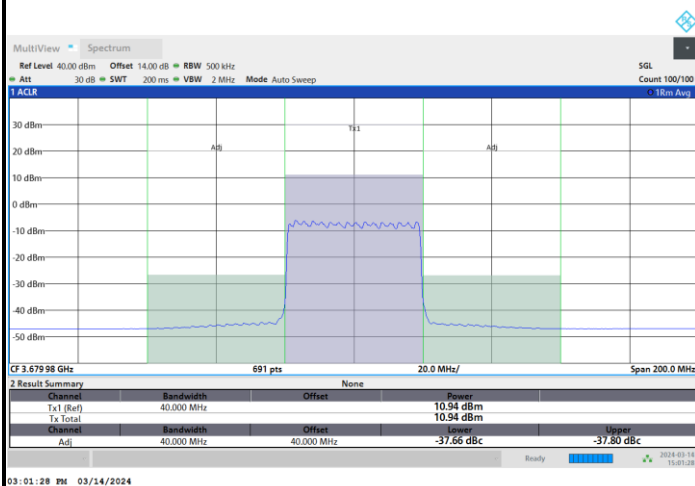
1RB0



1RBmax



Full RB

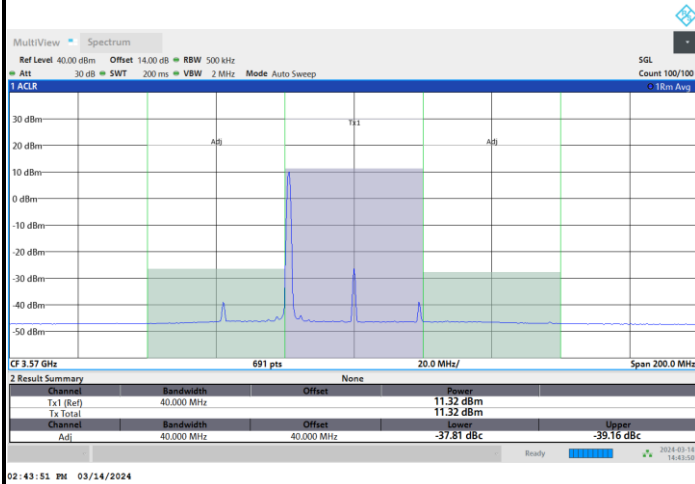




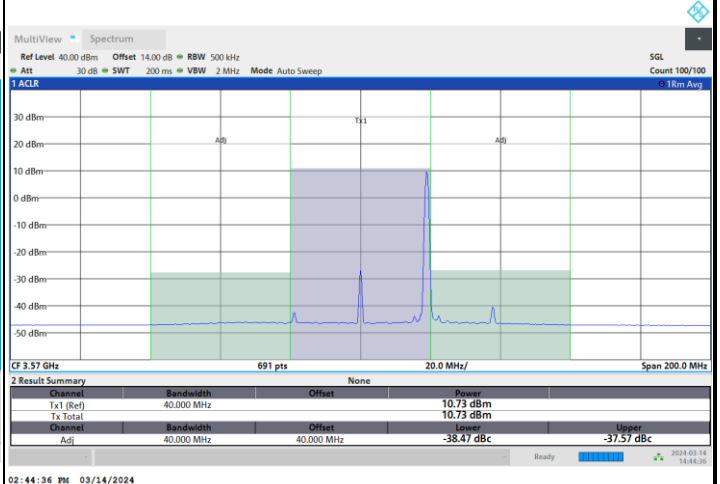
FR1 n48 / 40MHz / CP OFDM / 64QAM

Lowest Channel

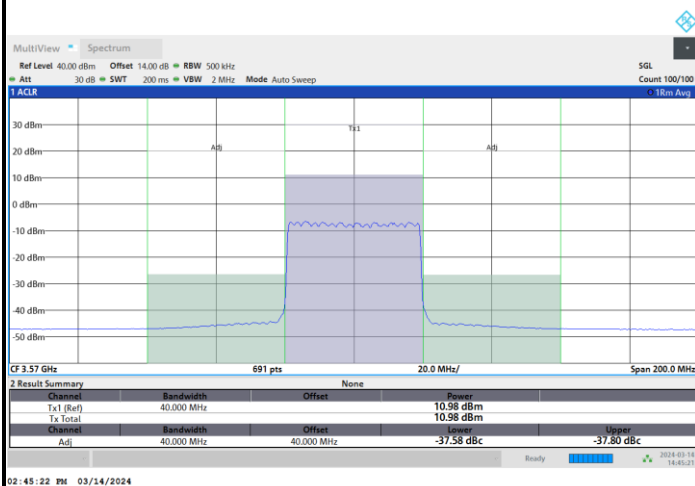
1RB0



1RBmax



Full RB

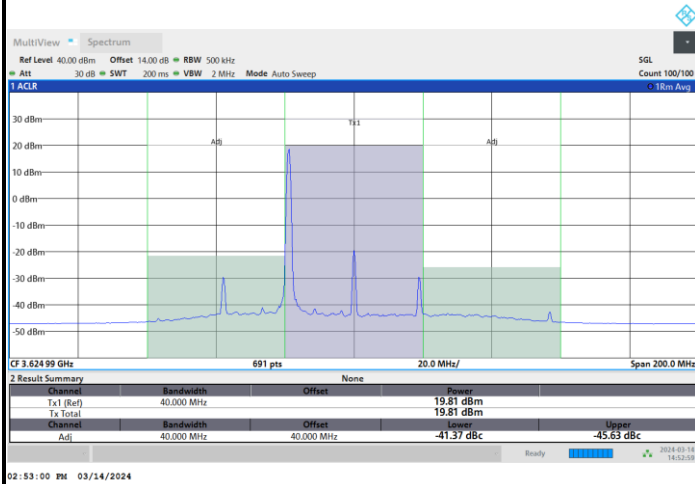




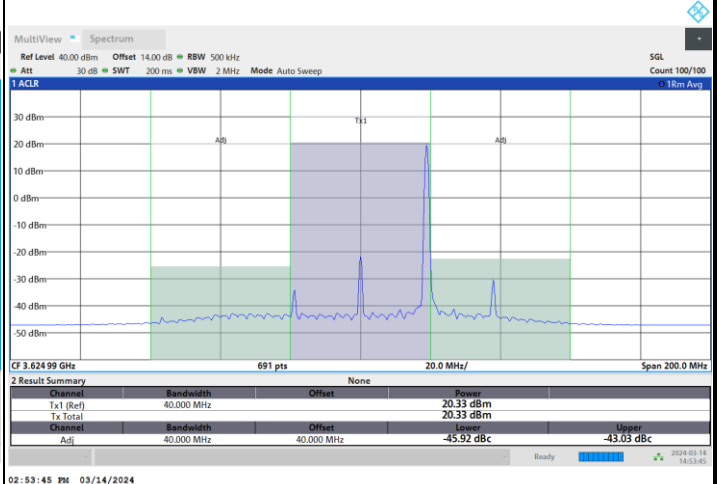
FR1 n48 / 40MHz / CP OFDM / 64QAM

Middle Channel

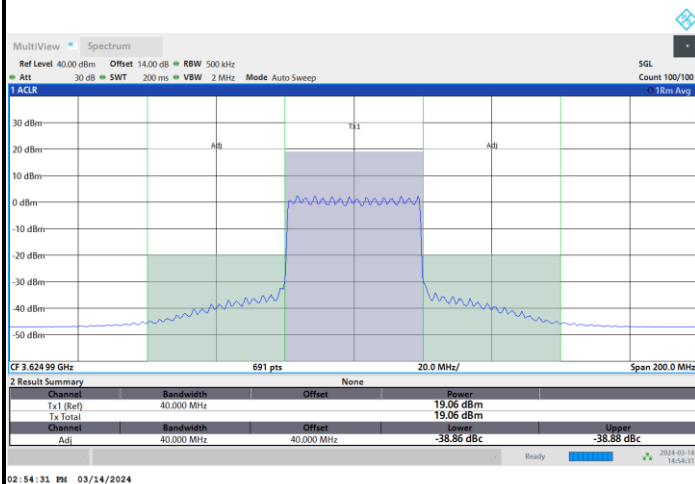
1RB0



1RBmax



Full RB

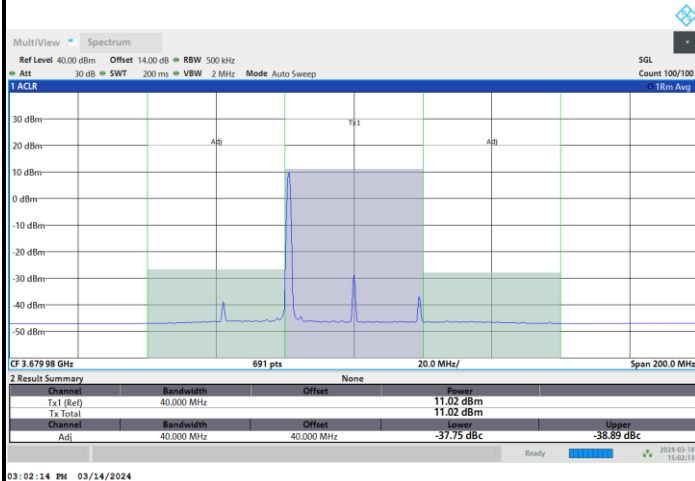




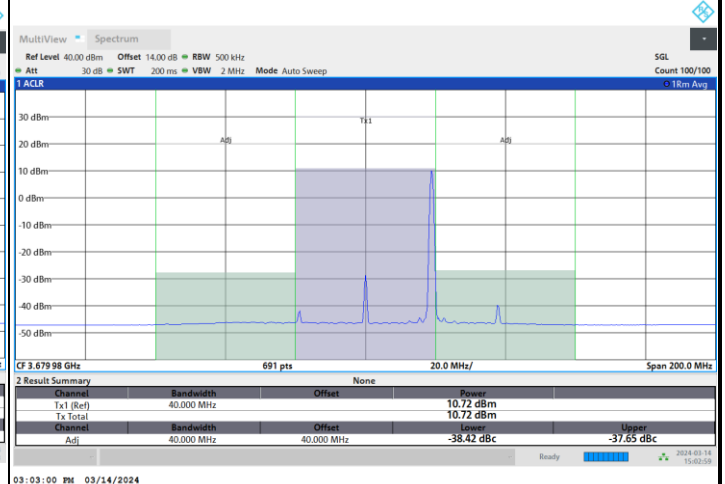
FR1 n48 / 40MHz / CP OFDM / 64QAM

Highest Channel

1RB0



1RBmax



Full RB

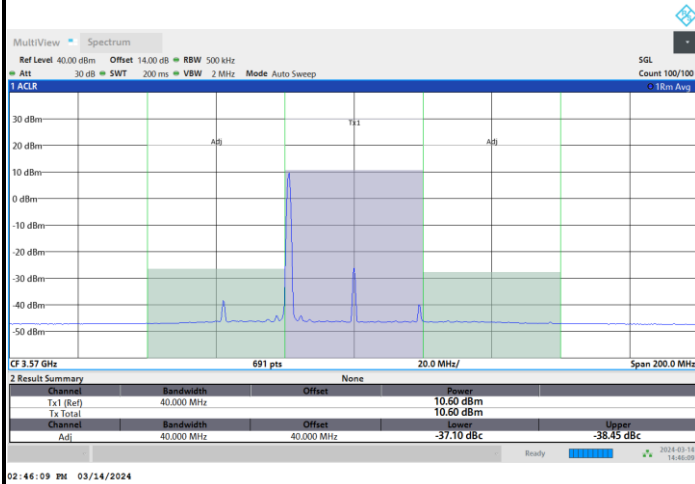




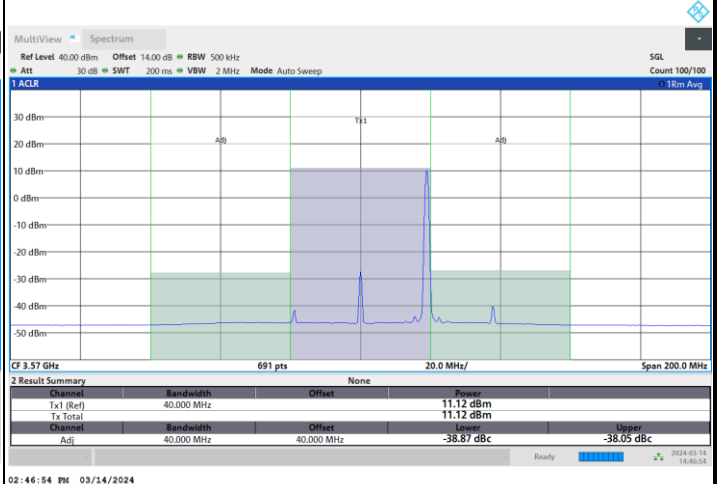
FR1 n48 / 40MHz / CP OFDM / 256QAM

Lowest Channel

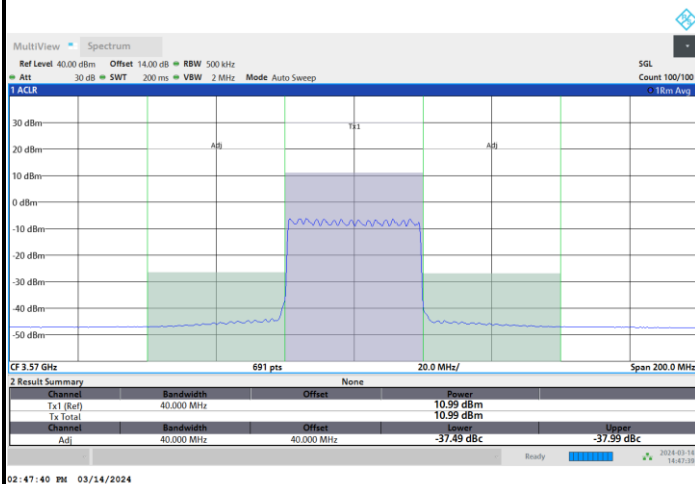
1RB0



1RBmax



Full RB

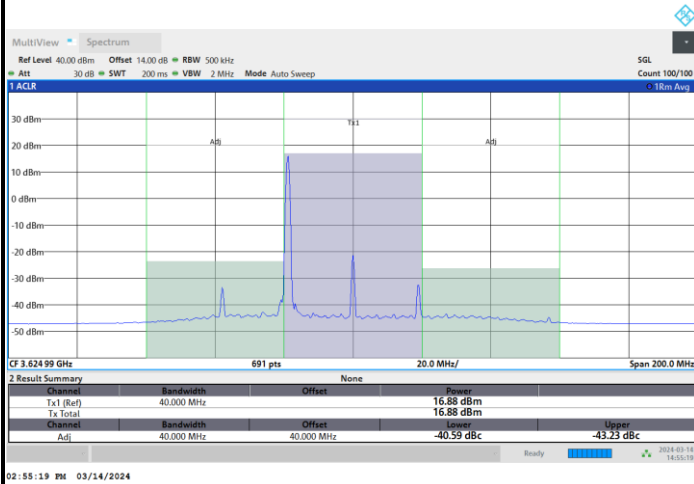




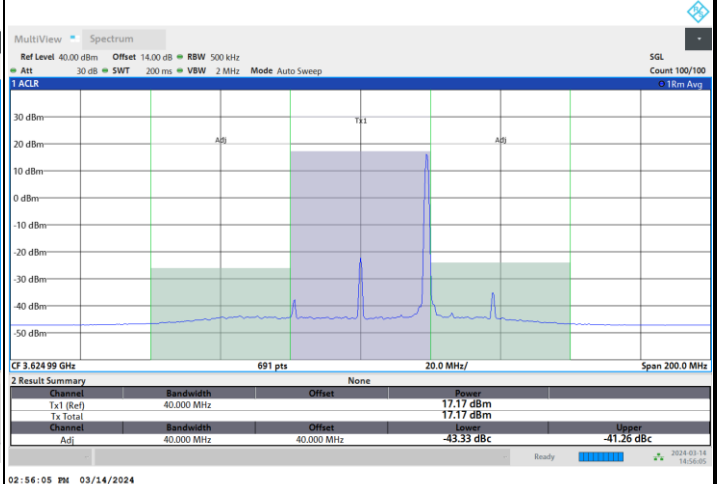
FR1 n48 / 40MHz / CP OFDM / 256QAM

Middle Channel

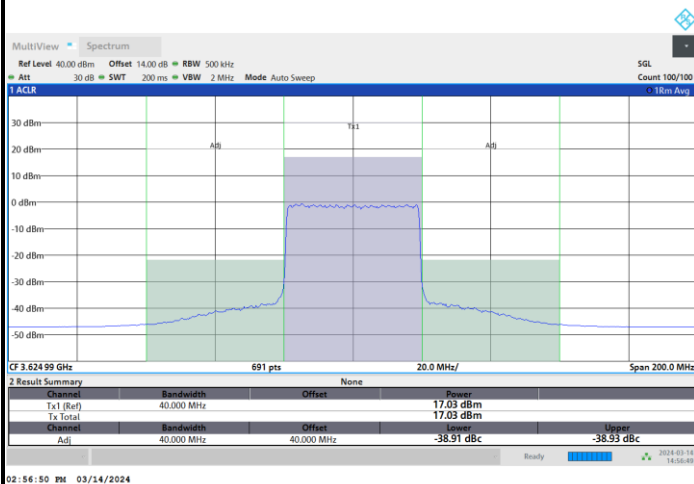
1RB0



1RBmax



Full RB

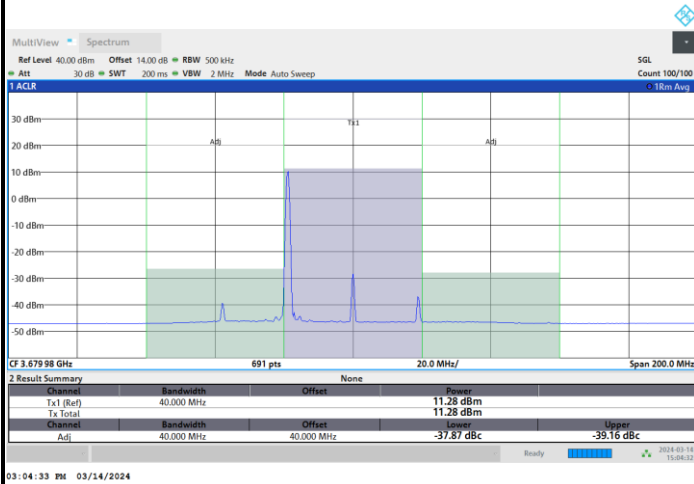




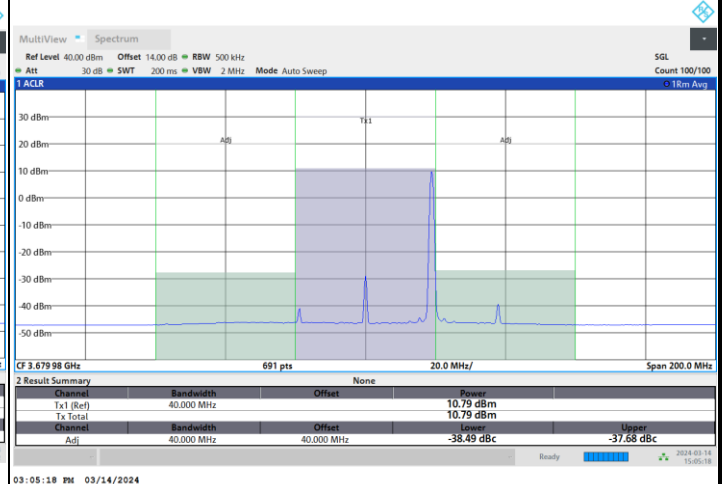
FR1 n48 / 40MHz / CP OFDM / 256QAM

Highest Channel

1RB0



1RBmax



Full RB

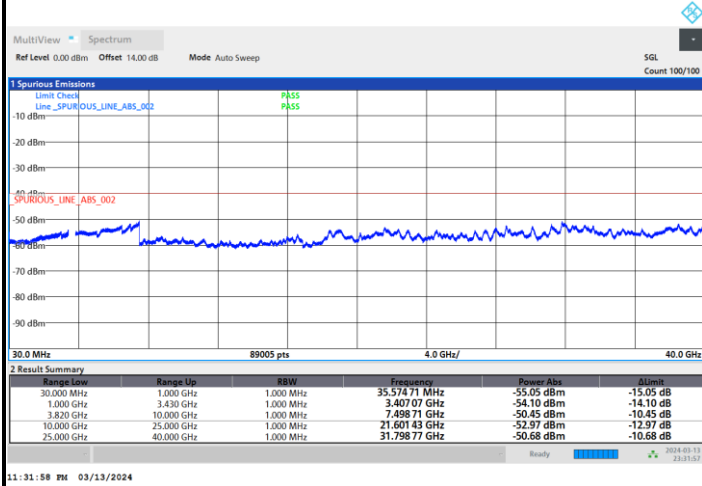




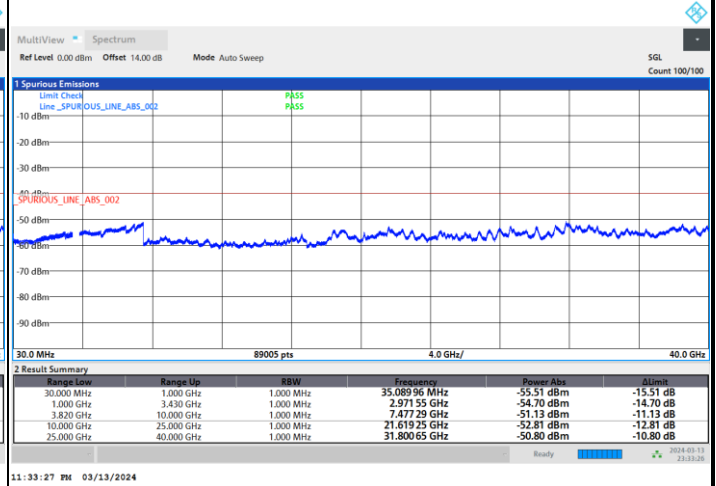
Conducted Spurious Emission

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

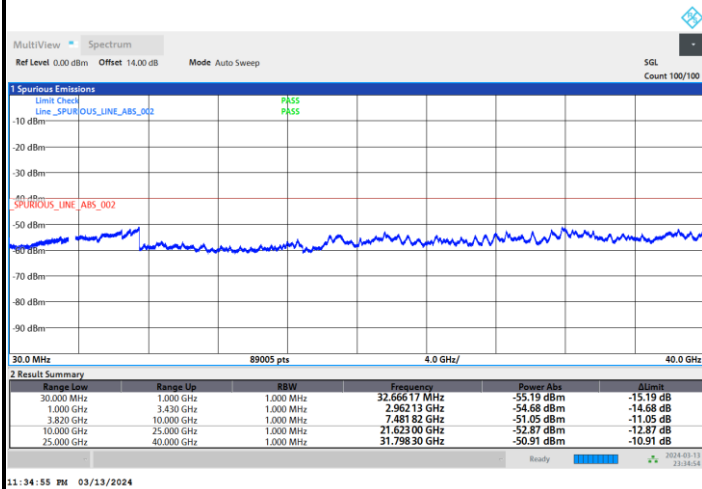
Lowest Channel



Middle Channel



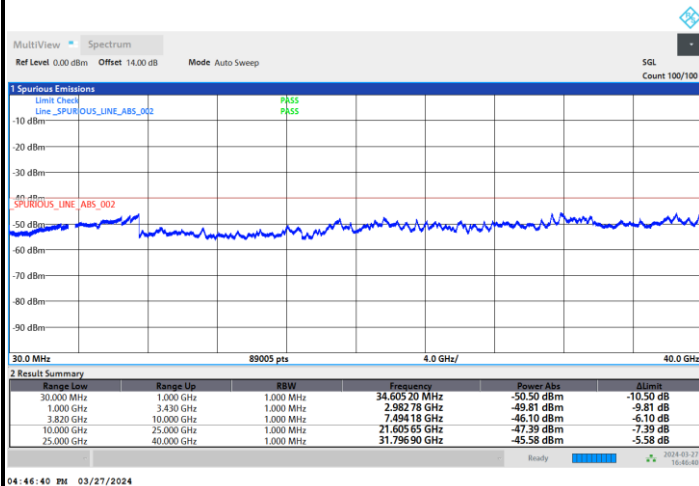
Highest Channel



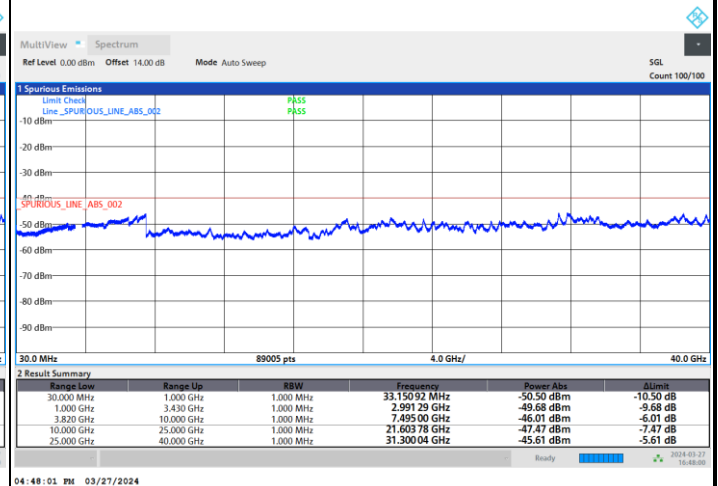


FR1 n48 / 15MHz / CP OFDM / QPSK / 1RB1

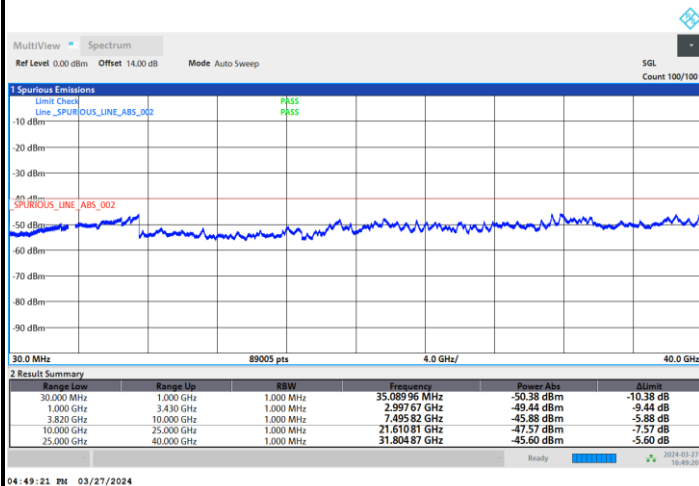
Lowest Channel



Middle Channel



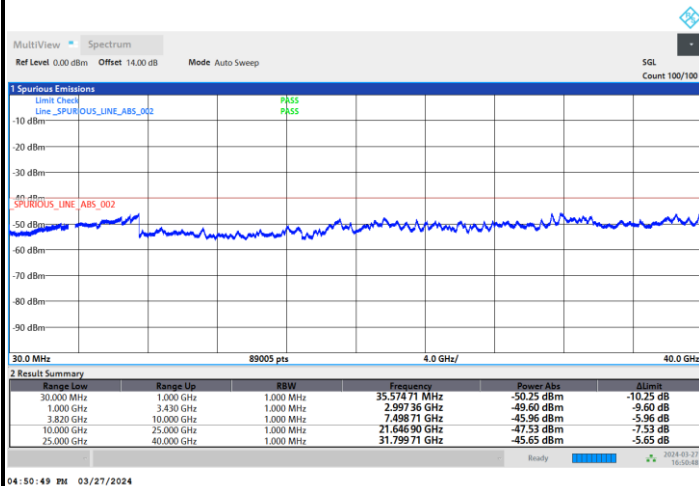
Highest Channel



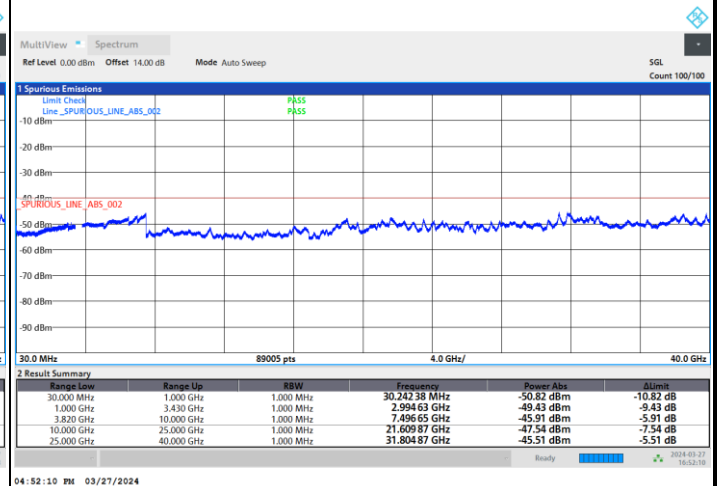


FR1 n48 / 20MHz / CP OFDM / QPSK / 1RB1

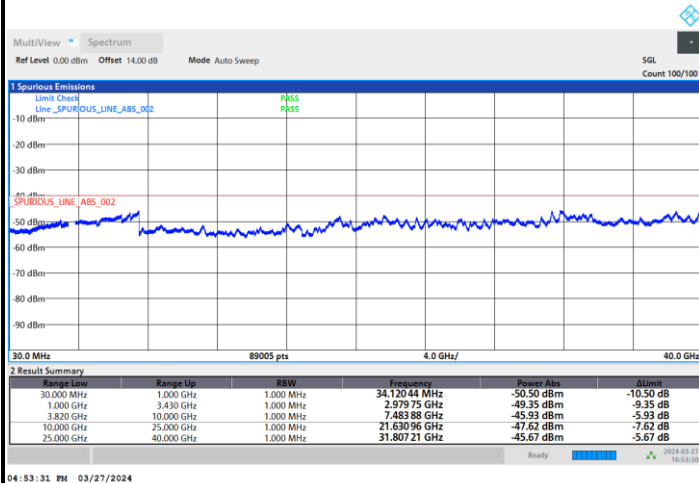
Lowest Channel



Middle Channel



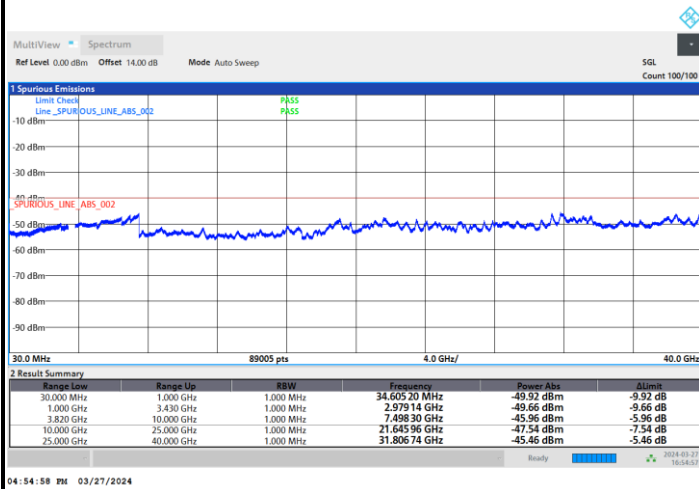
Highest Channel



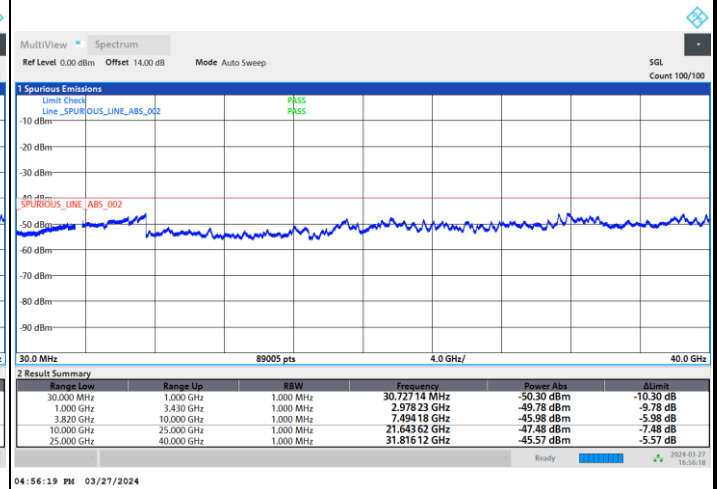


FR1 n48 / 30MHz / CP OFDM / QPSK / 1RB1

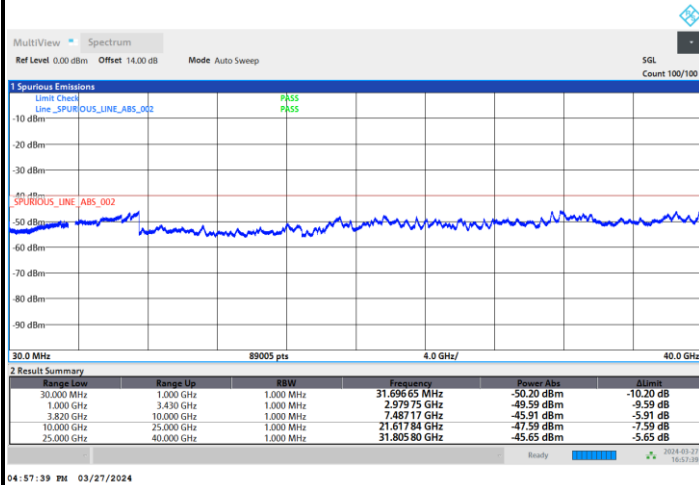
Lowest Channel



Middle Channel



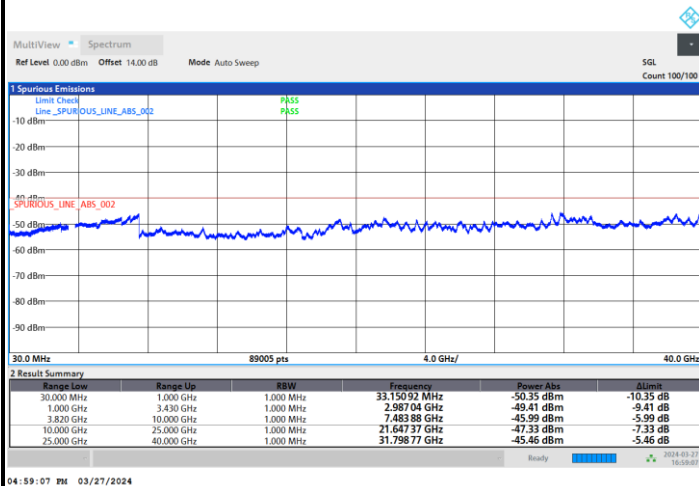
Highest Channel



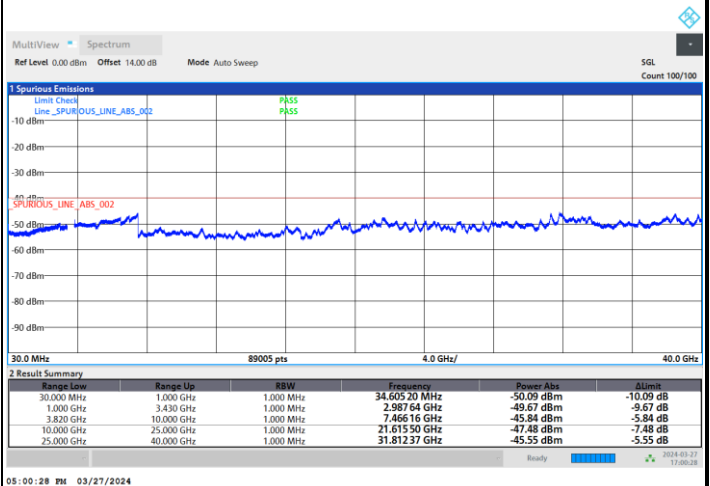


FR1 n48 / 40MHz / CP OFDM / QPSK / 1RB1

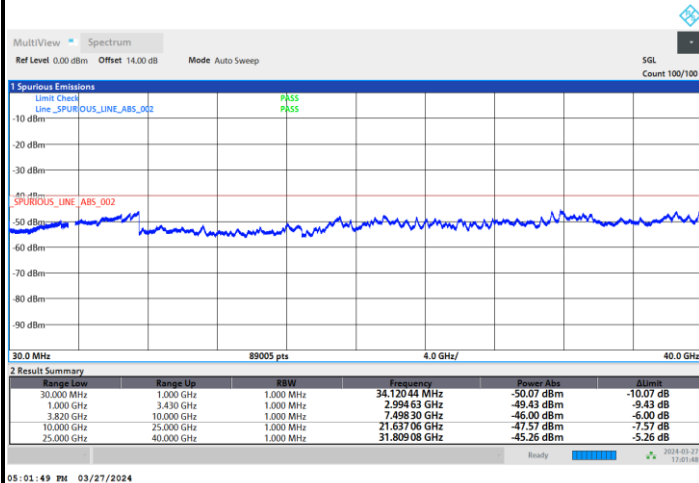
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n48 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

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)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	NR SA n48 PC2	H	7363	-46.55	RMS	36.97	-21.28	1.05	-95.23	31.94	-40.00	-6.55	H	6+1
2	Part 96	NR SA n48 PC2	H	14725	-49.88	RMS	41.65	-23.00	0.42	-95.23	26.28	-40.00	-9.88	H	7+5

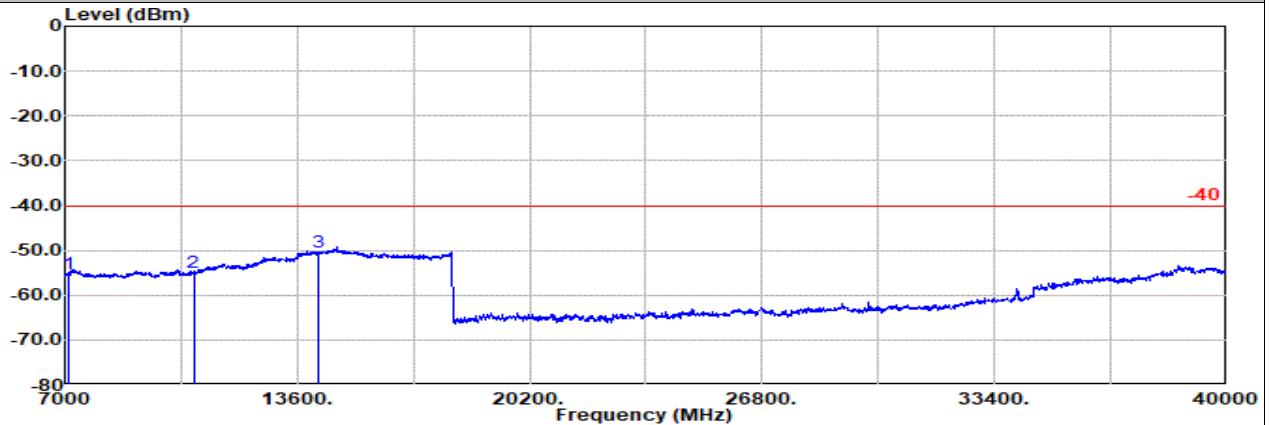


6+1

Part 96 Mode 1

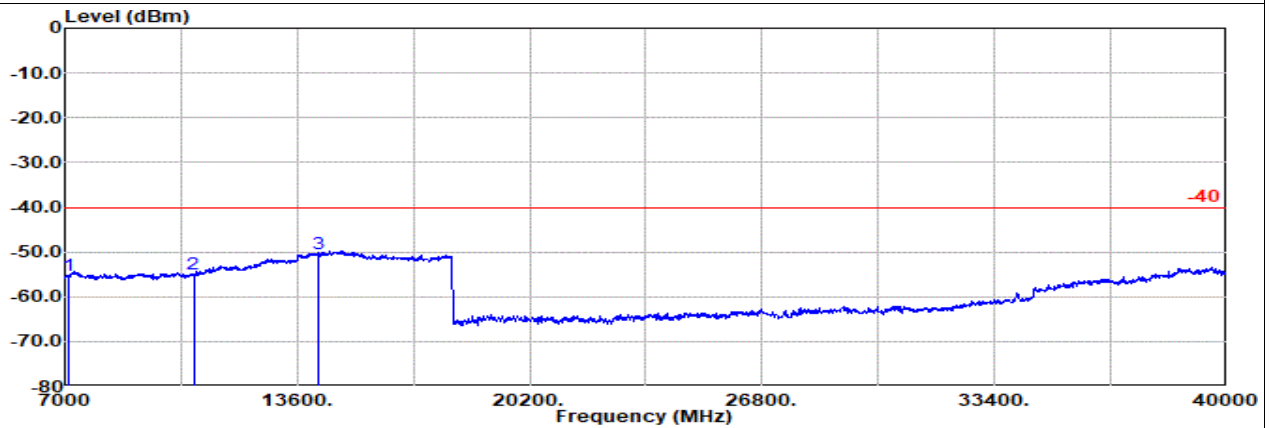
NR SA n48 PC2 20M Ch637334 1RB1 BPSK

L



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Horizontal
: SA n48 20M Ch637334 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit		Margin	Pol
					dB/m	dB				dBm	dB		
1	7103.00	-55.14	RMS	36.41	-21.43	1.19	-95.23	23.92	-40.00	-15.14	Horizontal		
2	10654.00	-54.96	RMS	37.50	-21.68	0.44	-95.23	24.01	-40.00	-14.96	Horizontal		
3	14205.00	-50.53	RMS	41.00	-22.35	0.41	-95.23	25.64	-40.00	-10.53	Horizontal		



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Vertical
: SA n48 20M Ch637334 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit		Margin	Pol
					dB/m	dB				dBm	dB		
1	7103.00	-55.22	RMS	36.41	-21.43	1.19	-95.23	23.84	-40.00	-15.22	Vertical		
2	10654.00	-54.90	RMS	37.50	-21.68	0.44	-95.23	24.07	-40.00	-14.90	Vertical		
3	14205.00	-50.52	RMS	41.00	-22.35	0.41	-95.23	25.65	-40.00	-10.52	Vertical		

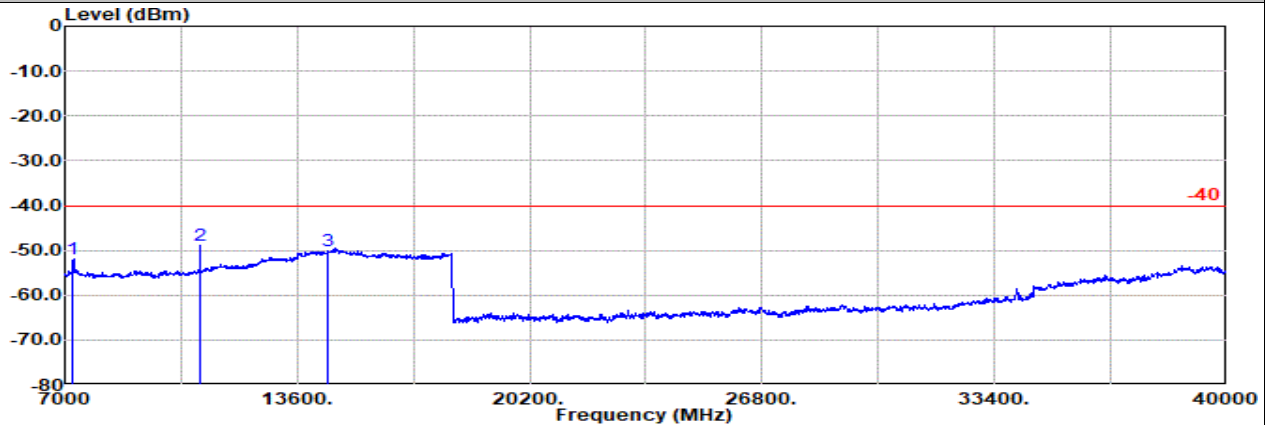


6+1

Part 96 Mode 1

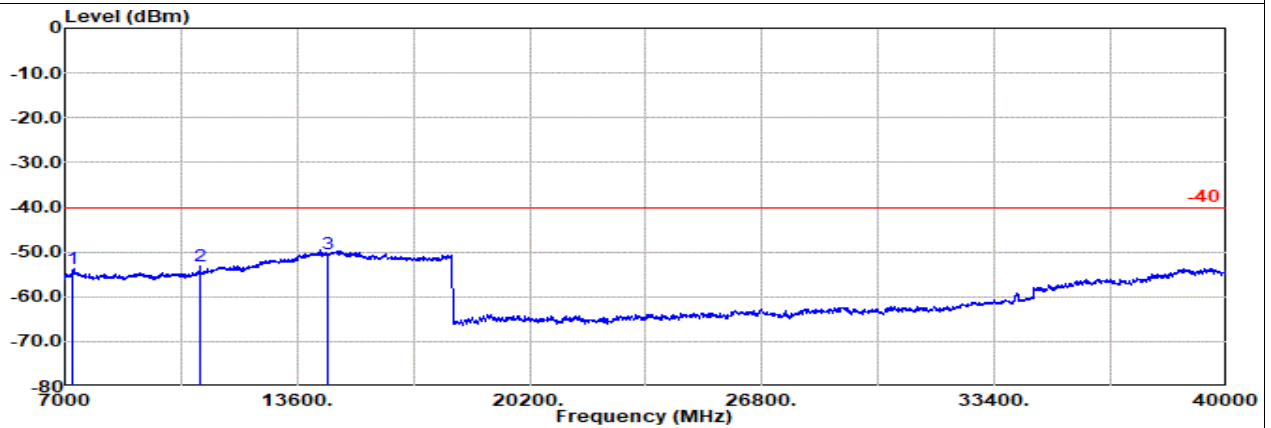
NR SA n48 PC2 20M Ch641666 1RB1 BPSK

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	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBm	dB		
1	7233.00	-51.78	RMS	36.87	-21.34	1.13	-95.23	26.79	-40.00	-11.78	Horizontal
2	10849.00	-48.90	RMS	37.50	-21.65	0.44	-95.23	30.04	-40.00	-8.90	Horizontal
3	14465.00	-50.24	RMS	41.16	-22.73	0.42	-95.23	26.14	-40.00	-10.24	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	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBm	dB		
1	7233.00	-53.79	RMS	36.87	-21.34	1.13	-95.23	24.78	-40.00	-13.79	Vertical
2	10849.00	-53.10	RMS	37.50	-21.65	0.44	-95.23	25.84	-40.00	-13.10	Vertical
3	14465.00	-50.44	RMS	41.16	-22.73	0.42	-95.23	25.94	-40.00	-10.44	Vertical

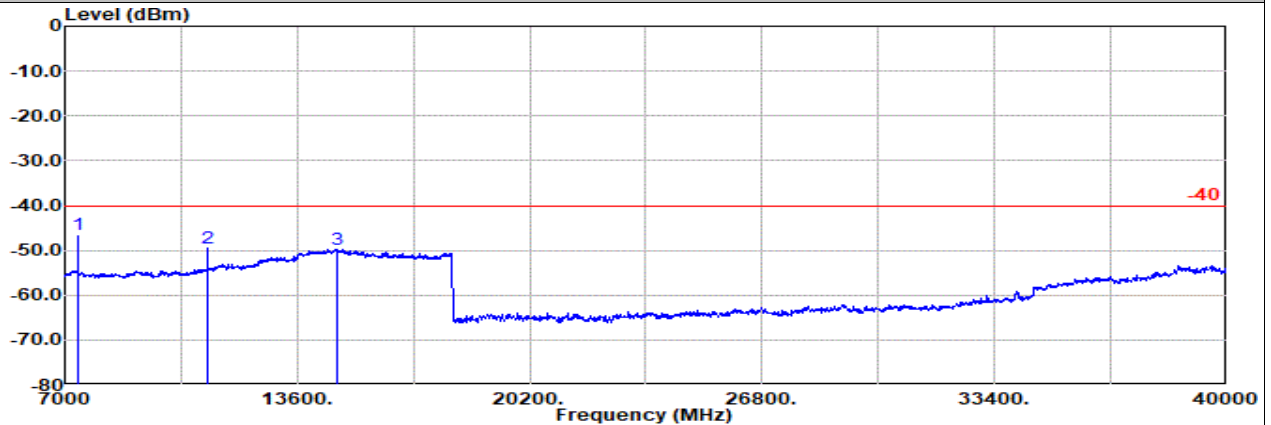


6+1

Part 96 Mode 1

NR SA n48 PC2 20M Ch646000 1RB1 BPSK

H

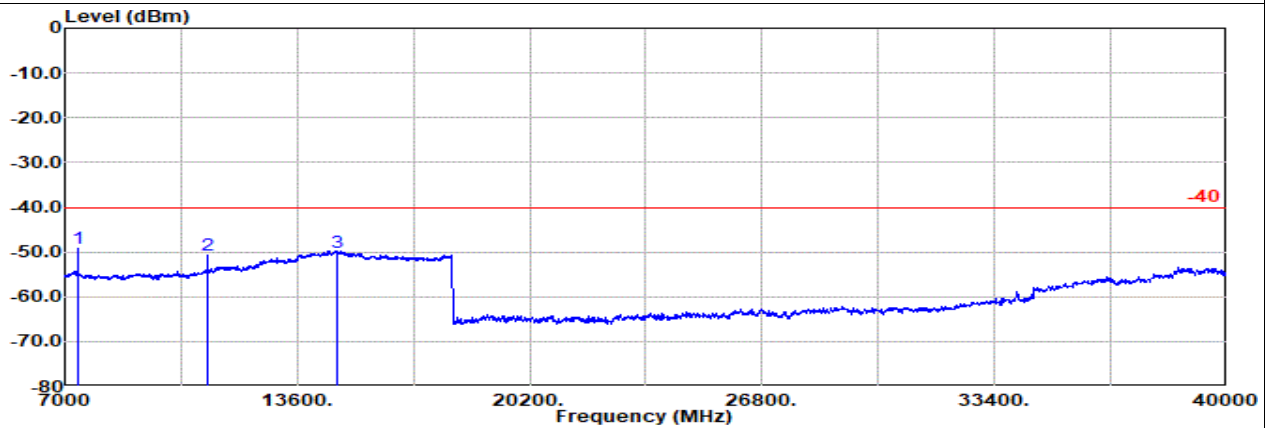


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_230710 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin	Pol
				Factor	1					
1	7363.00	-46.55	RMS							
2	11044.00	-49.42	RMS							
3	14725.00	-49.89	RMS							



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_230710 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin	Pol
				Factor	1					
1	7363.00	-49.09	RMS							
2	11044.00	-50.67	RMS							
3	14725.00	-50.03	RMS							

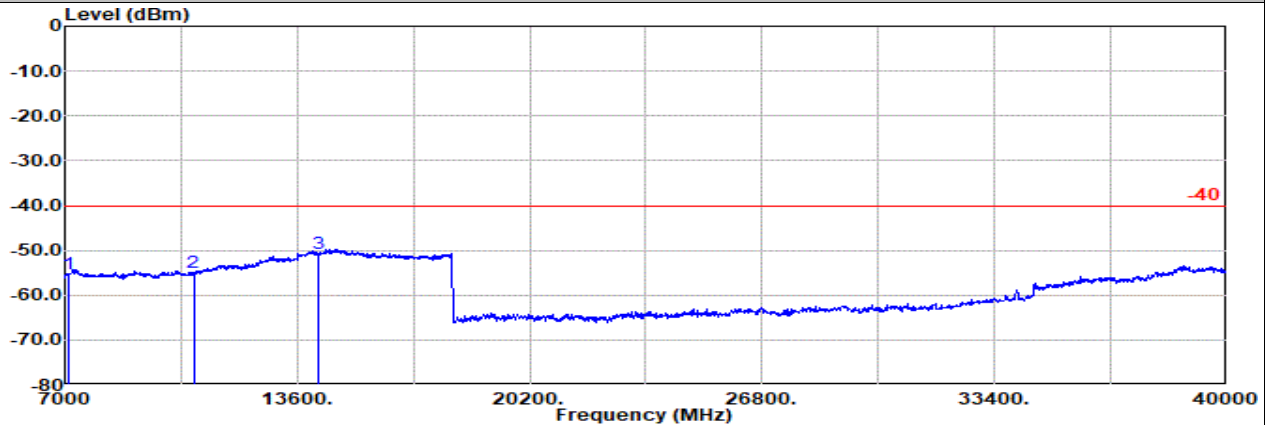


7+5

Part 96 Mode 2

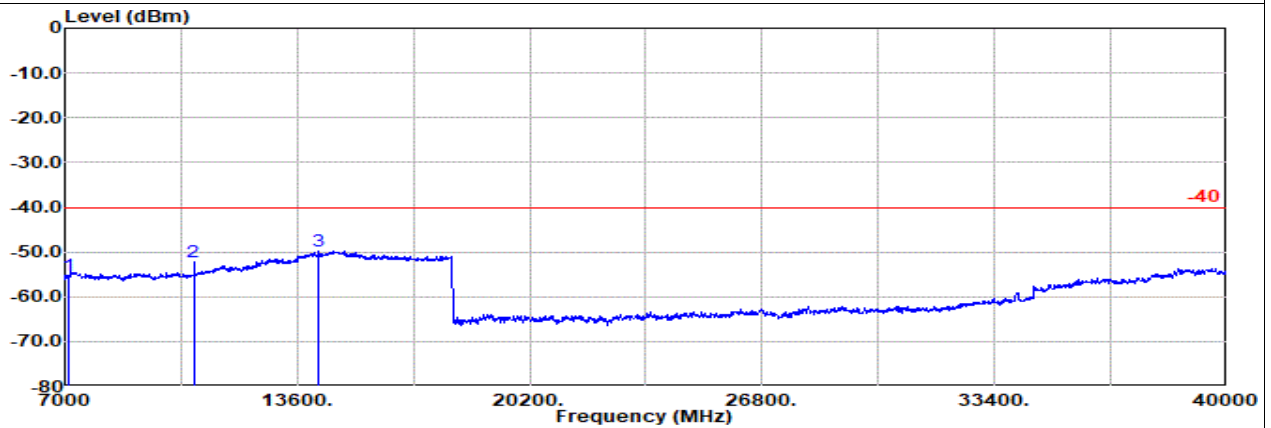
NR SA n48 PC2 20M Ch637334 1RB1 BPSK

L



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Horizontal
: SA n48 20M Ch637334 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit dBm	Margin Pol	
					dB/m	dB				dB	
1	7103.00	-55.21	RMS	36.41	-21.43	1.19	-95.23	23.85	-40.00	-15.21	Horizontal
2	10654.00	-55.01	RMS	37.50	-21.68	0.44	-95.23	23.96	-40.00	-15.01	Horizontal
3	14205.00	-50.60	RMS	41.00	-22.35	0.41	-95.23	25.57	-40.00	-10.60	Horizontal



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Vertical
: SA n48 20M Ch637334 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit dBm	Margin Pol	
					dB/m	dB				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	-52.35	RMS	37.50	-21.68	0.44	-95.23	26.62	-40.00	-12.35	Vertical
3	14205.00	-49.92	RMS	41.00	-22.35	0.41	-95.23	26.25	-40.00	-9.92	Vertical

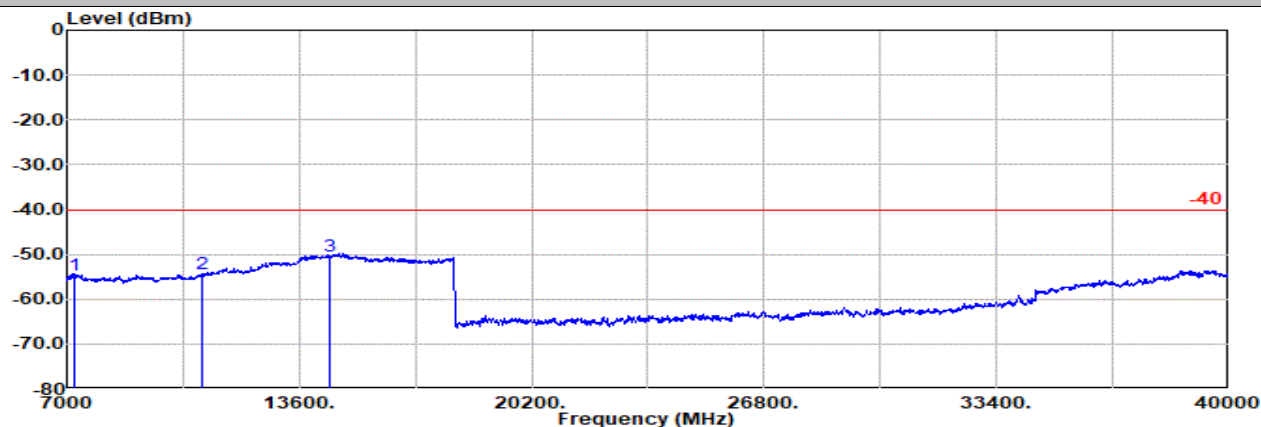


7+5

Part 96 Mode 2

NR SA n48 PC2 20M Ch641666 1RB1 BPSK

M

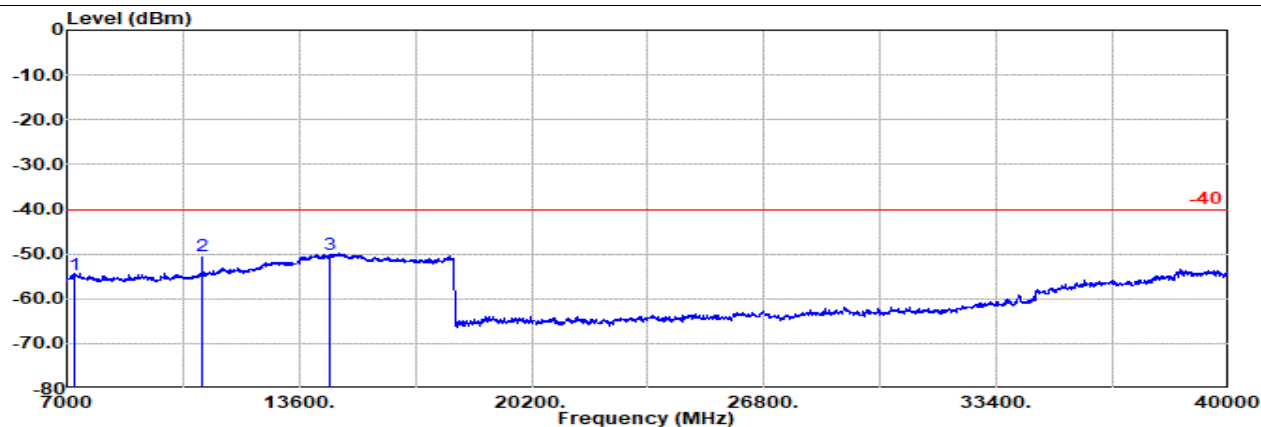


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_230710 Horizontal

: SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7233.00	-54.52	RMS	36.87	-21.34	1.13	-95.23	24.05	-40.00	-14.52 Horizontal
2	10849.00	-54.47	RMS	37.50	-21.65	0.44	-95.23	24.47	-40.00	-14.47 Horizontal
3	14465.00	-50.52	RMS	41.16	-22.73	0.42	-95.23	25.86	-40.00	-10.52 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	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7233.00	-54.66	RMS	36.87	-21.34	1.13	-95.23	23.91	-40.00	-14.66 Vertical
2	10849.00	-50.47	RMS	37.50	-21.65	0.44	-95.23	28.47	-40.00	-10.47 Vertical
3	14465.00	-50.01	RMS	41.16	-22.73	0.42	-95.23	26.37	-40.00	-10.01 Vertical

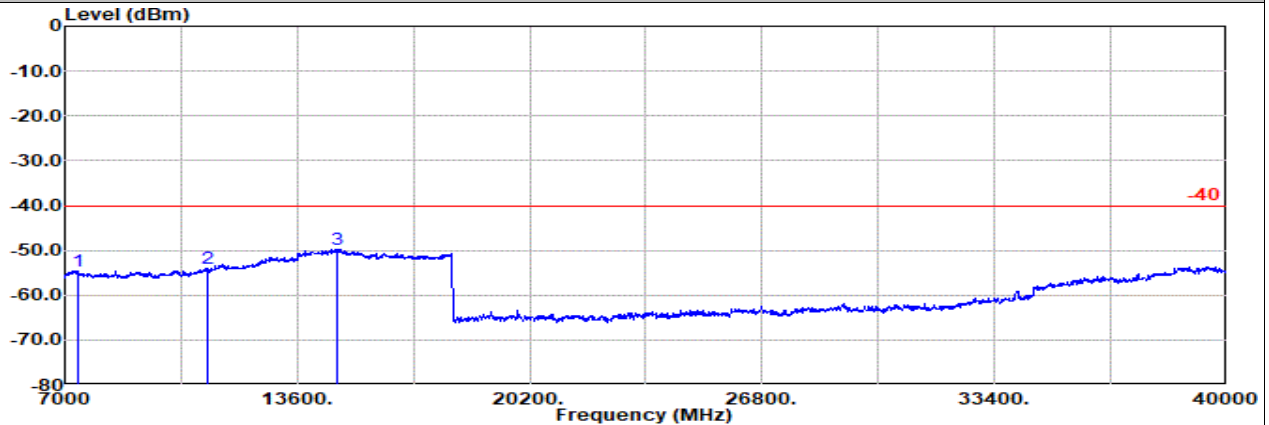


7+5

Part 96 Mode 2

NR SA n48 PC2 20M Ch646000 1RB1 BPSK

H

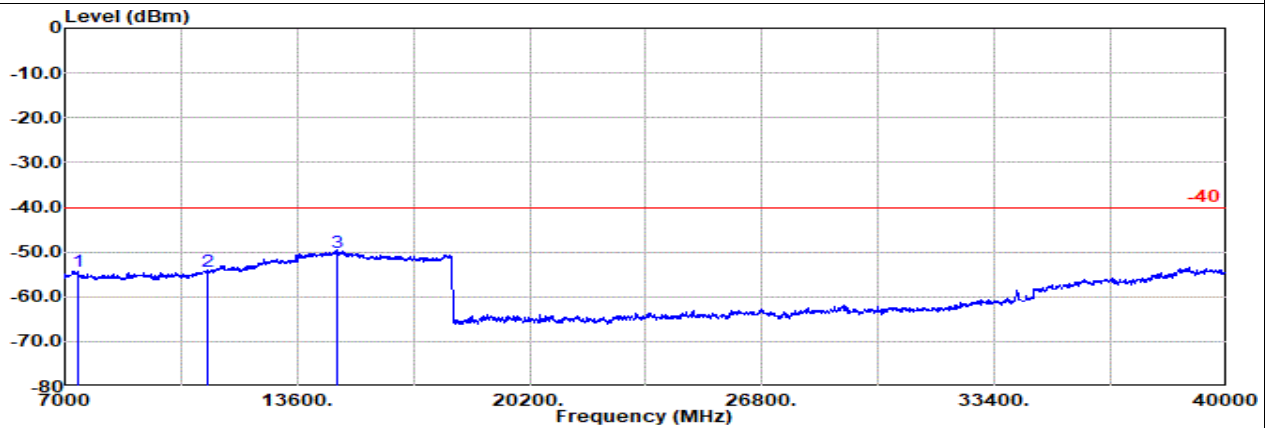


Site : 03CH21-HY

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	
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	7363.00	-54.75	RMS	36.97	-21.28	1.05	-95.23	23.74	-40.00	-14.75	Horizontal
2	11044.00	-54.11	RMS	37.98	-21.61	0.44	-95.23	24.31	-40.00	-14.11	Horizontal
3	14725.00	-49.88	RMS	41.65	-23.00	0.42	-95.23	26.28	-40.00	-9.88	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	
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	7363.00	-54.29	RMS	36.97	-21.28	1.05	-95.23	24.20	-40.00	-14.29	Vertical
2	11044.00	-54.34	RMS	37.98	-21.61	0.44	-95.23	24.08	-40.00	-14.34	Vertical
3	14725.00	-50.08	RMS	41.65	-23.00	0.42	-95.23	26.08	-40.00	-10.08	Vertical

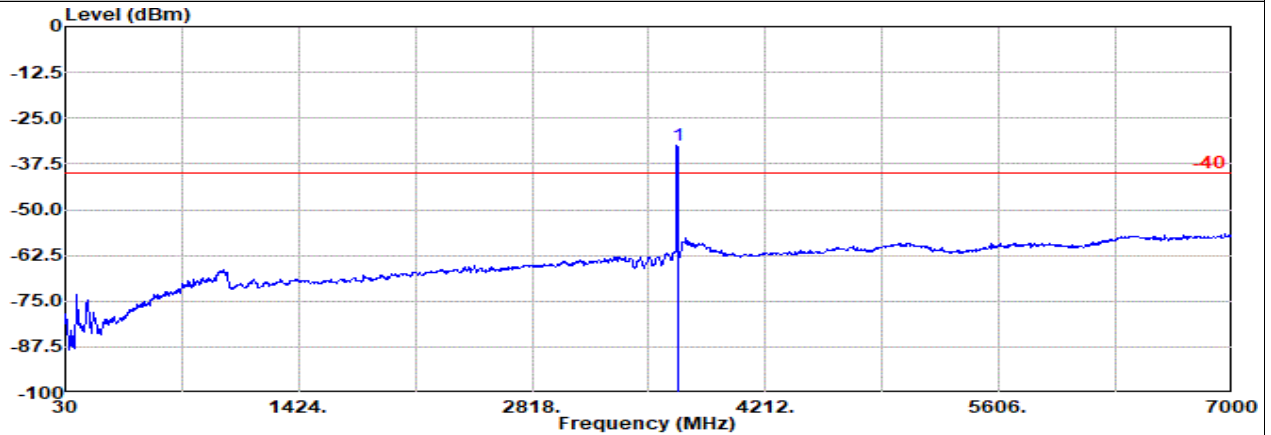


6+1

Part 96 Mode 1

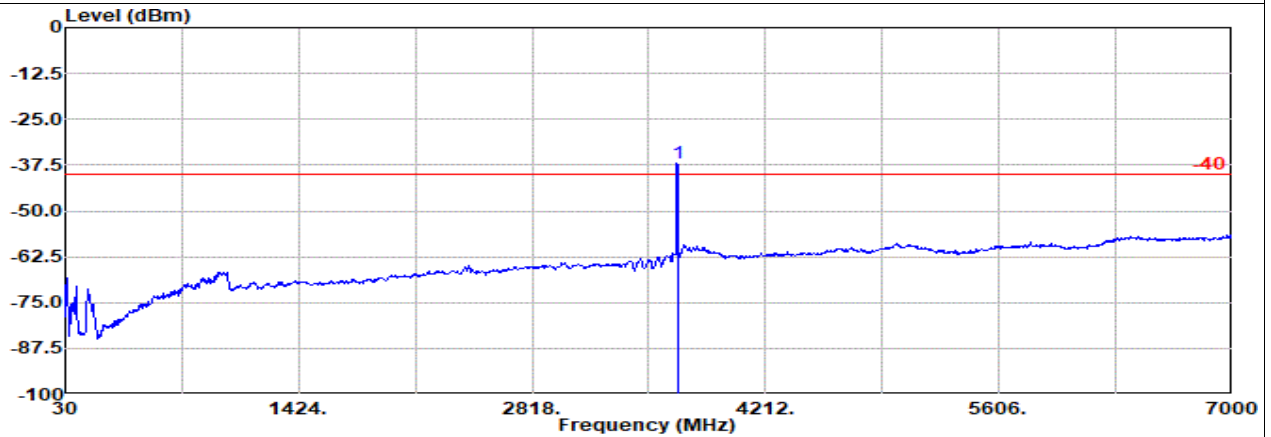
NR SA n48 PC2 20M Ch646000 1RB1 BPSK

H



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.

1	Freq Level		Detector	Ant Amp\Cb Filter		Factor	1	Filter	EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		dB/m	dB			dB		dBuV	dBm		
1	3690.00	-32.41	RMS	29.80	-23.23	0.56	-95.23	55.69	-40.00	7.59	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.

1	Freq Level		Detector	Ant Amp\Cb Filter		Factor	1	Filter	EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		dB/m	dB			dB		dBuV	dBm		
1	3690.00	-37.08	RMS	29.80	-23.23	0.56	-95.23	51.02	-40.00	2.92	Vertical		

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

—————THE END—————