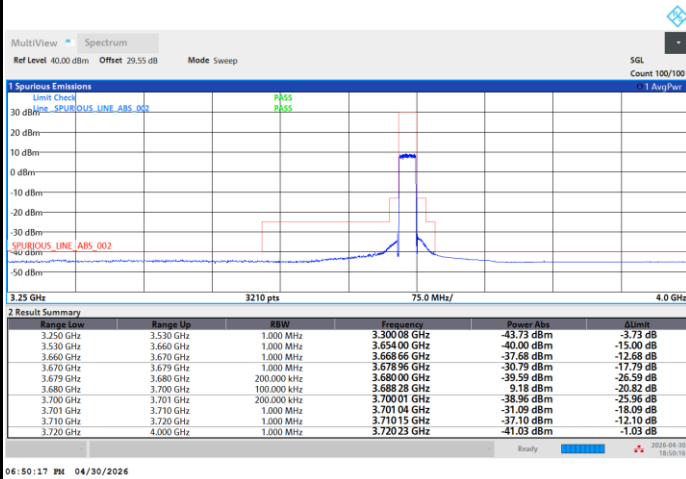


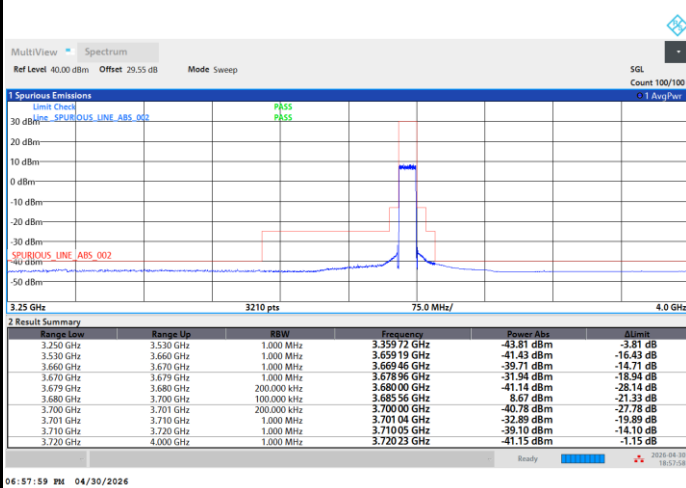


FR1 n48 / 20MHz / Highest Channel / MASK

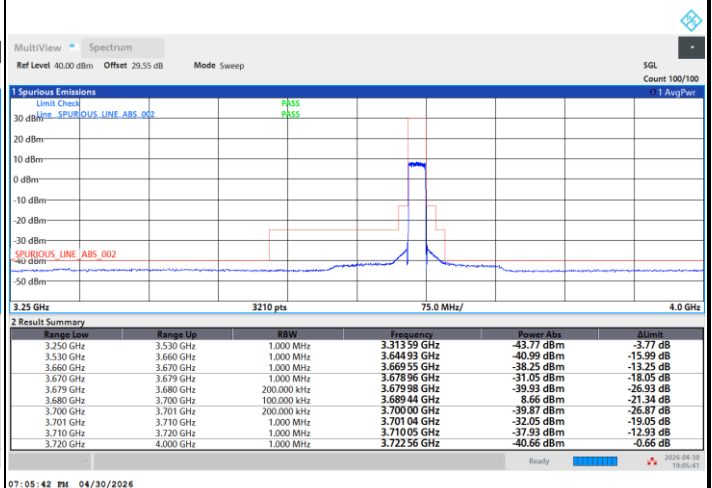
QPSK



64QAM



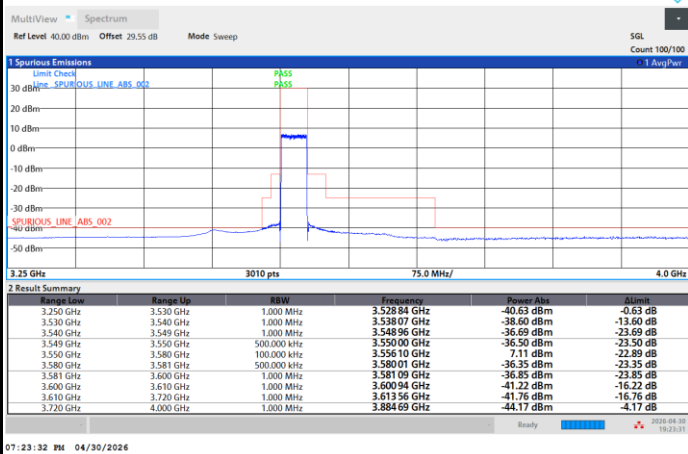
256QAM



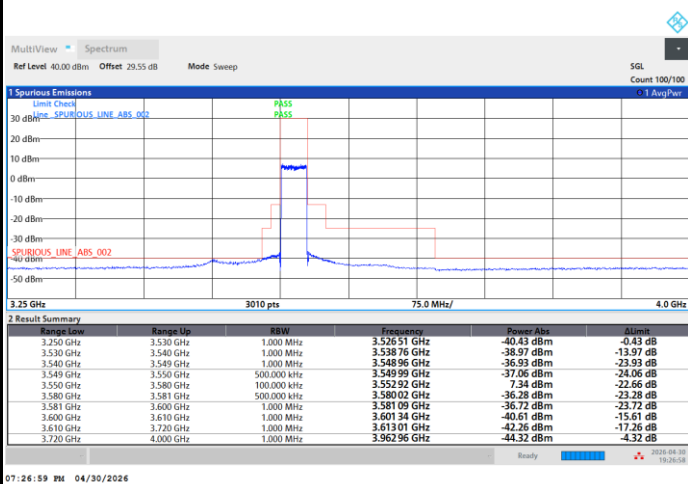


FR1 n48 / 30MHz / Lowest Channel / MASK

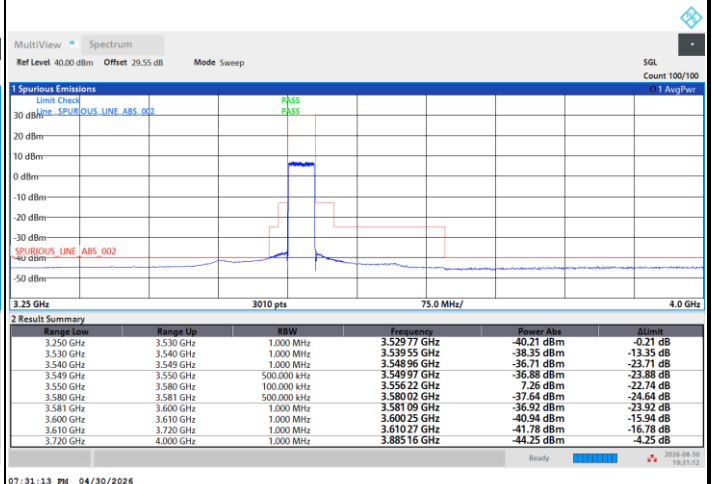
QPSK



64QAM



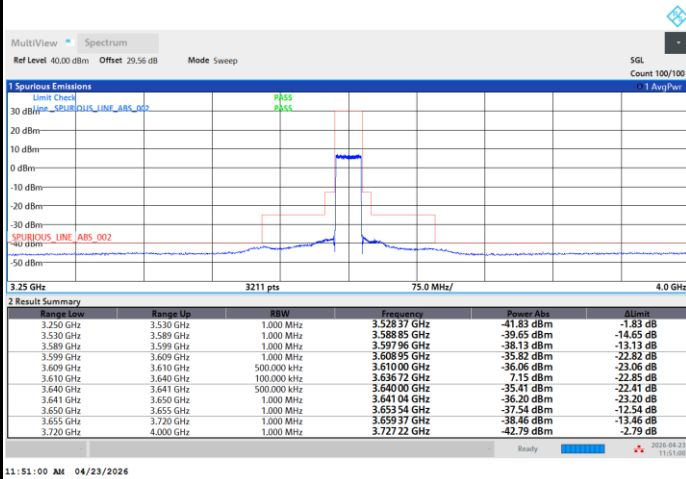
256QAM



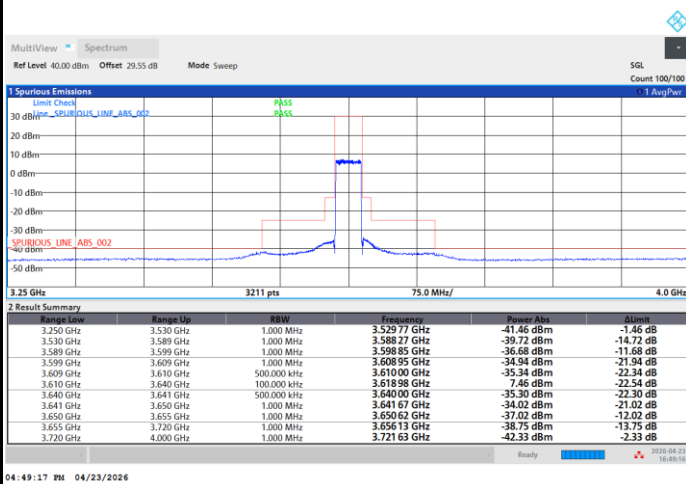


FR1 n48 / 30MHz / Middle Channel / MASK

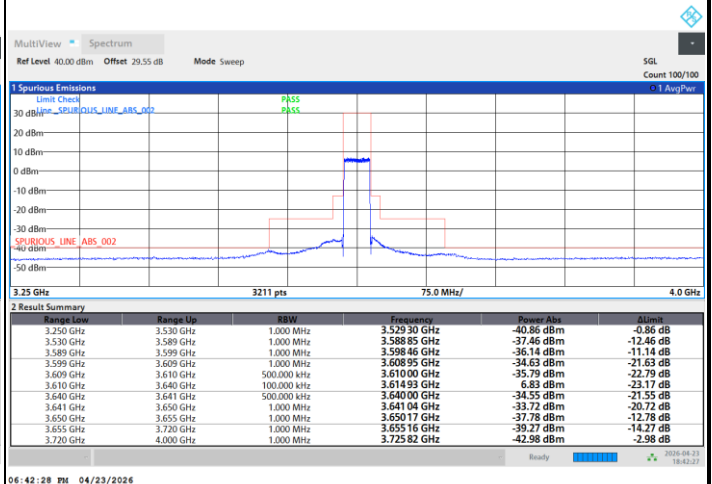
QPSK



64QAM



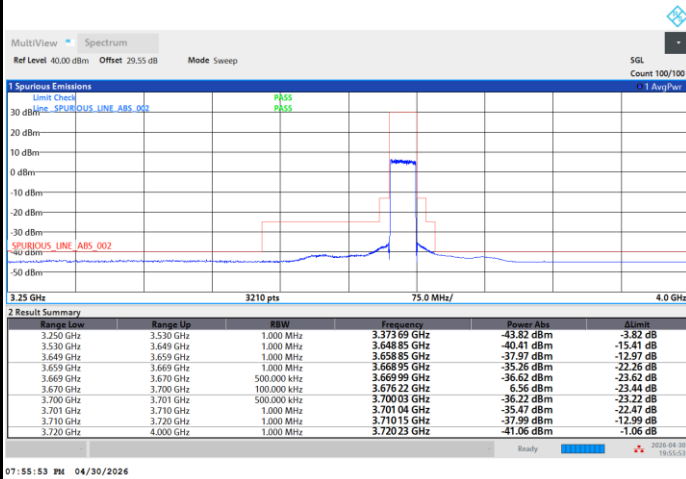
256QAM



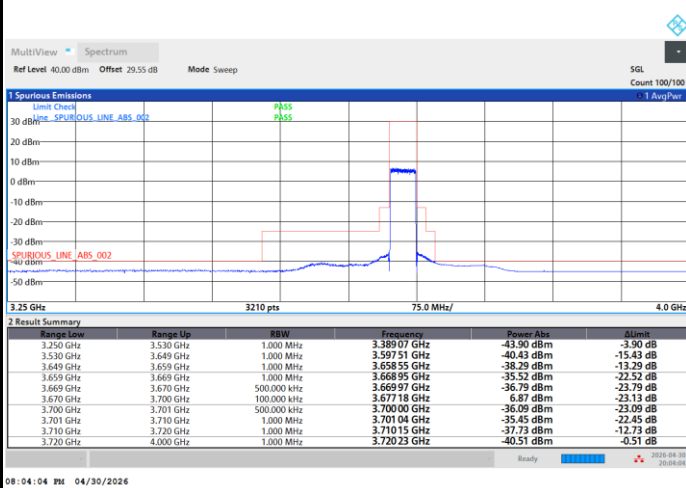


FR1 n48 / 30MHz / Highest Channel / MASK

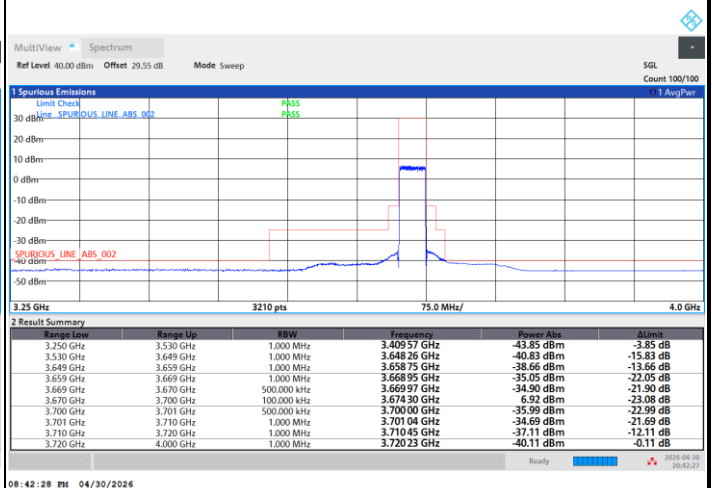
QPSK



64QAM



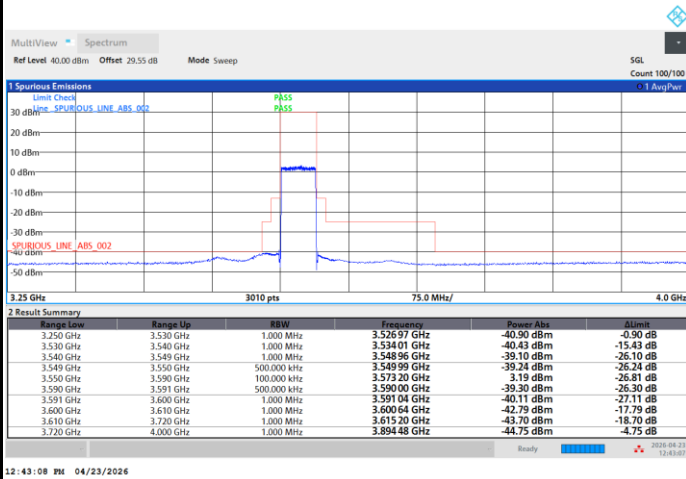
256QAM



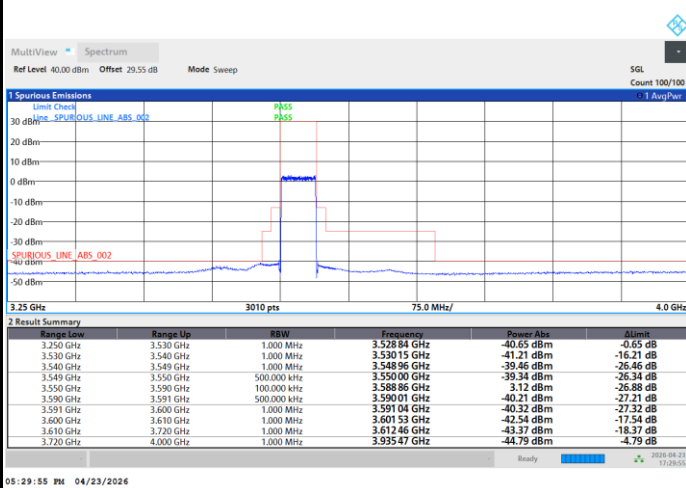


FR1 n48 / 40MHz / Lowest Channel / MASK

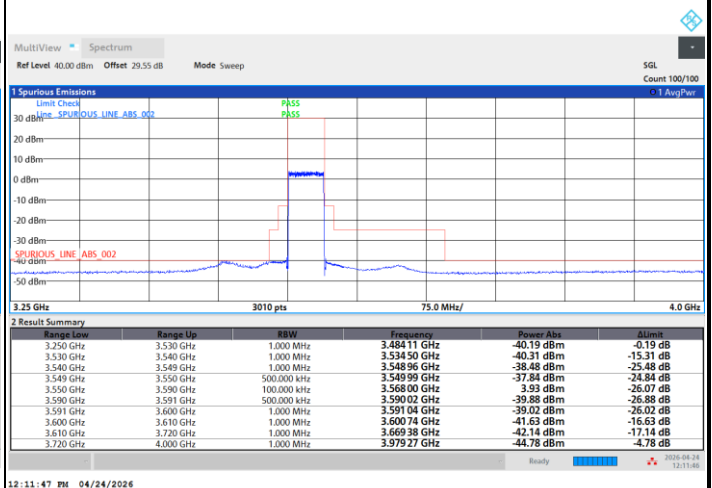
QPSK



64QAM



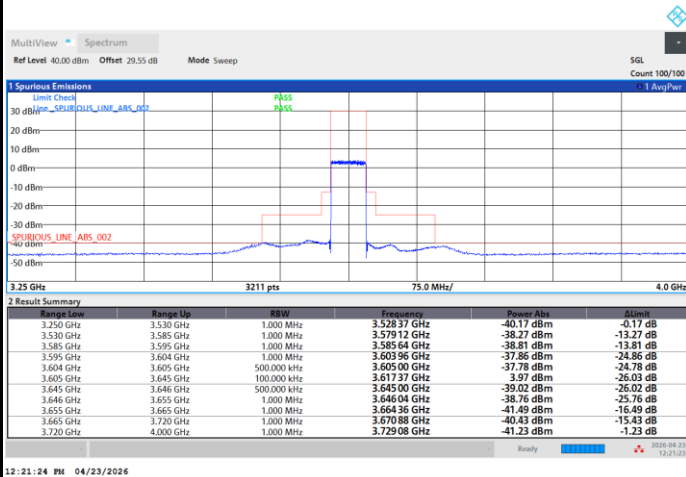
256QAM



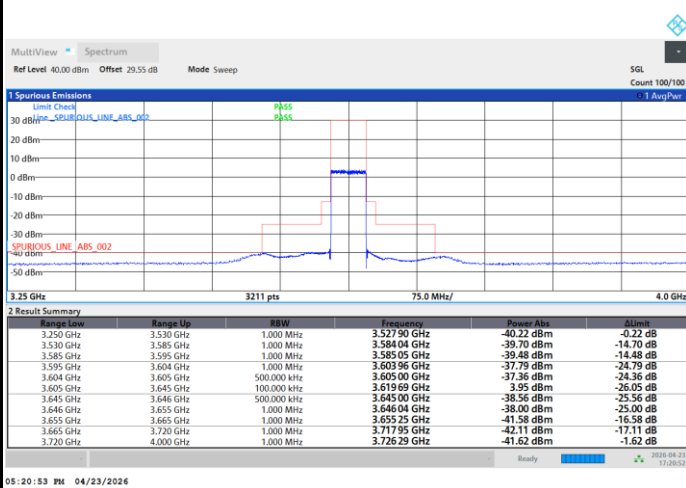


FR1 n48 / 40MHz / Middle Channel / MASK

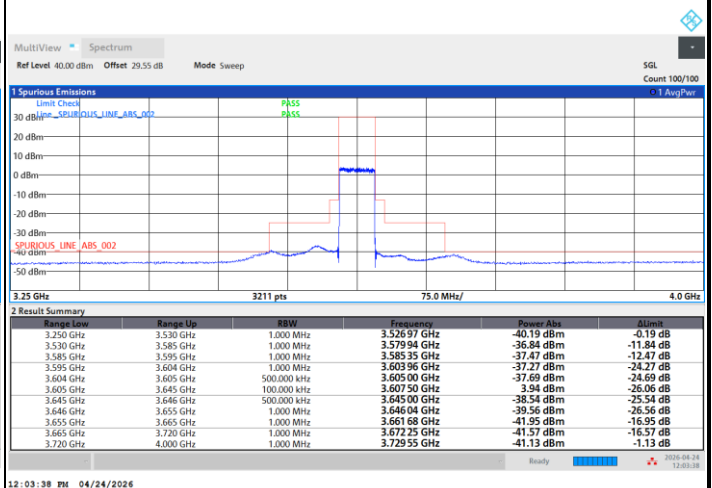
QPSK



64QAM



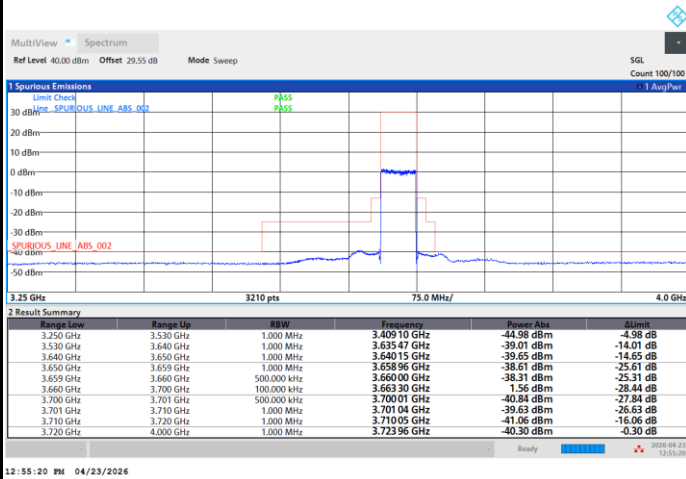
256QAM



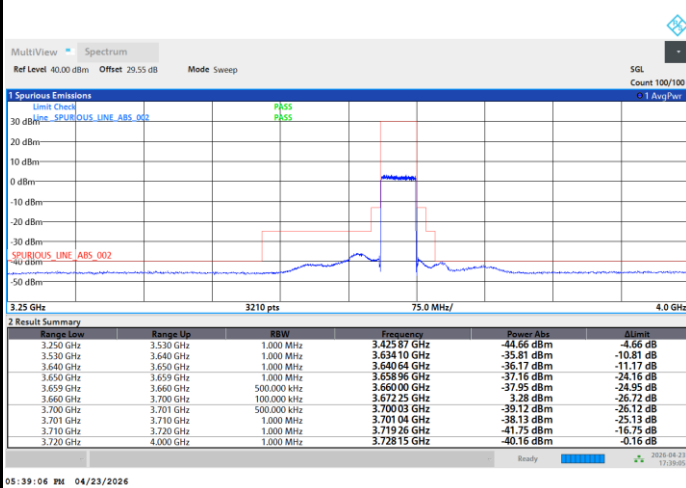


FR1 n48 / 40MHz / Highest Channel / MASK

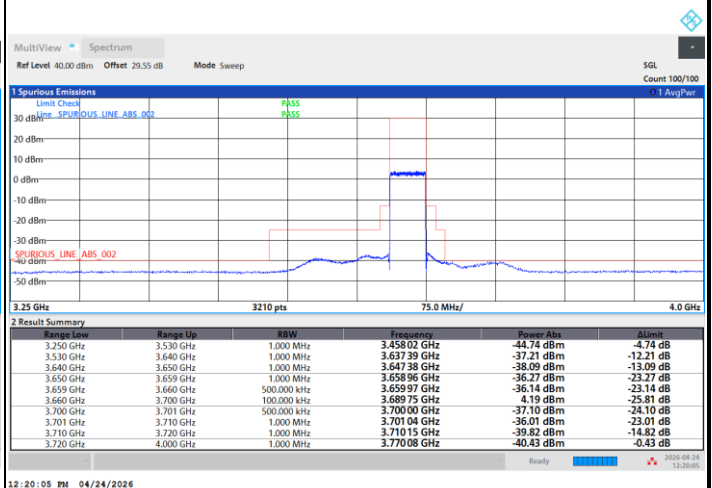
QPSK



64QAM



256QAM

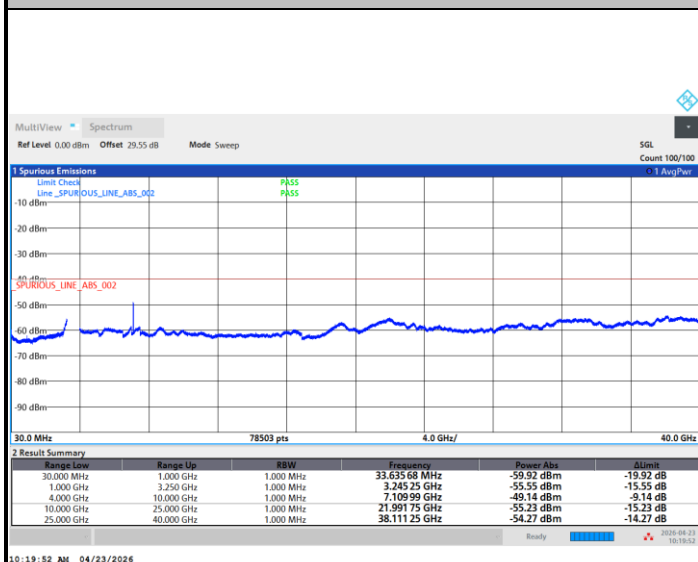




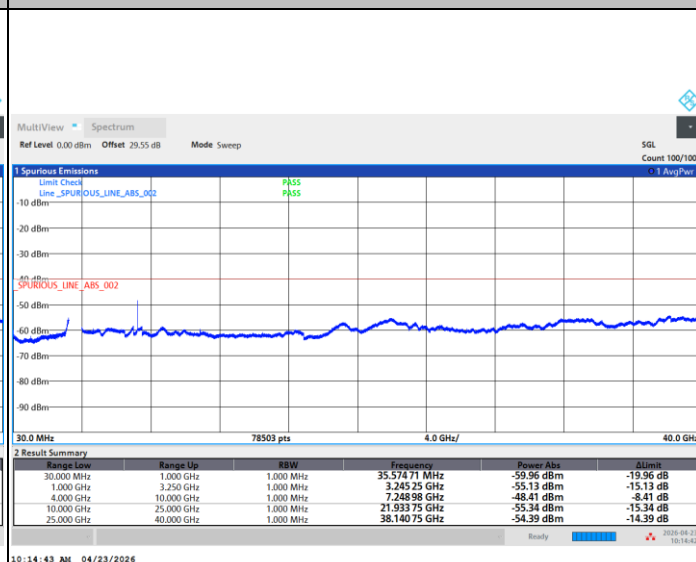
Conducted Spurious Emission

FR1 n48 / 10MHz / QPSK / CSE

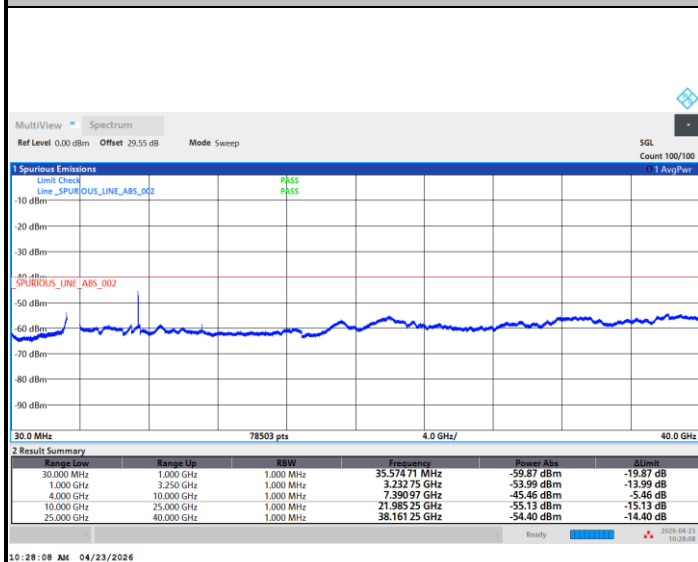
Lowest Channel



Middle Channel



Highest Channel

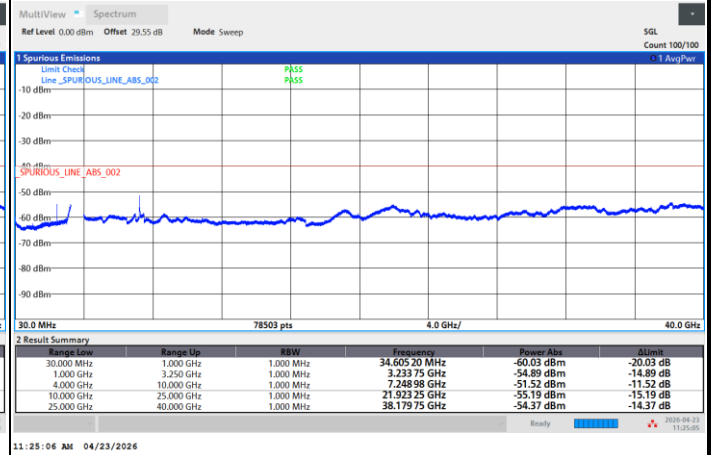
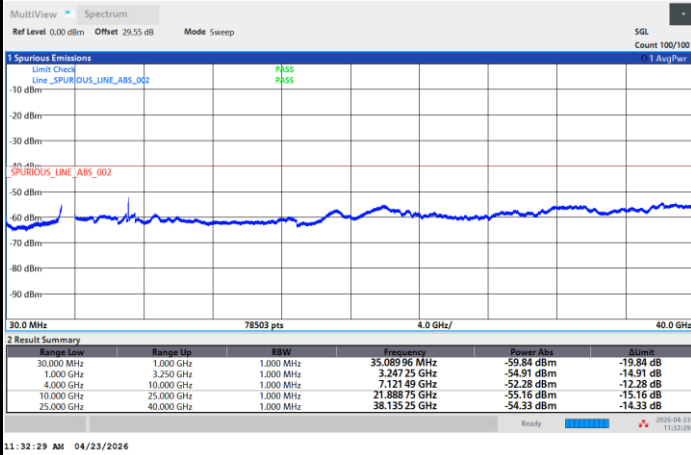




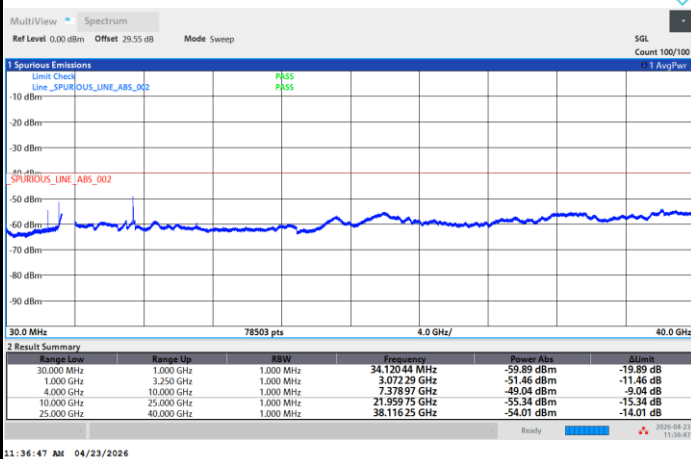
FR1 n48 / 20MHz / QPSK / CSE

Lowest Channel

Middle Channel



Highest Channel



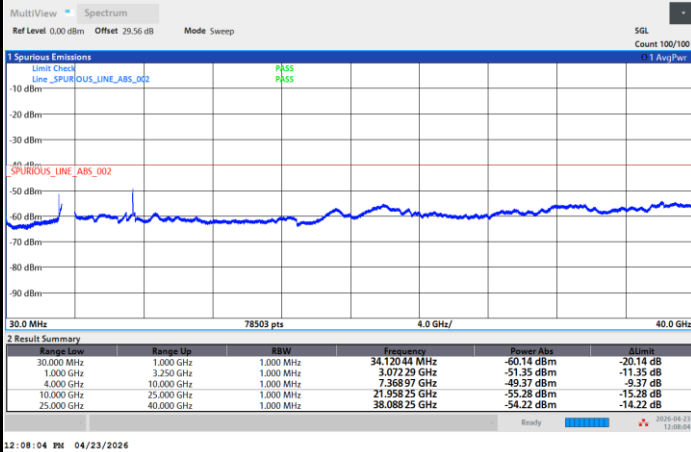
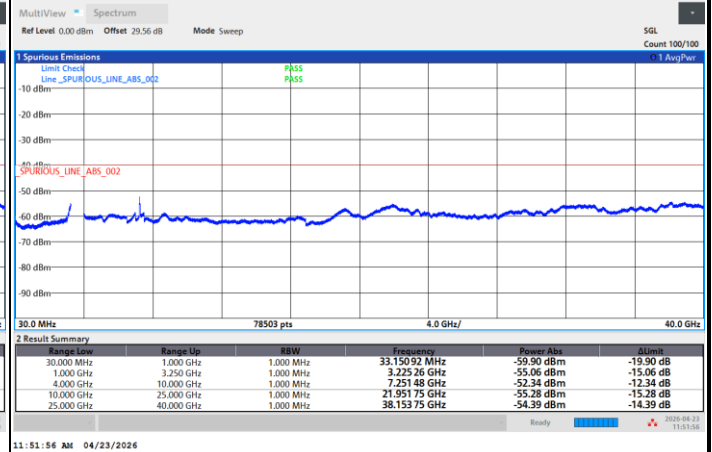
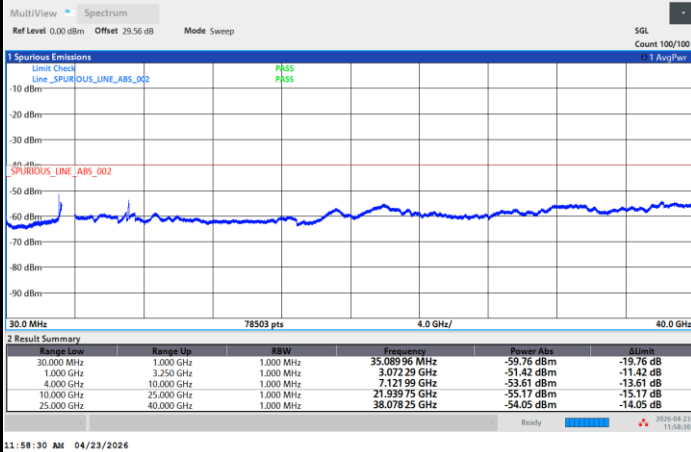


FR1 n48 / 30MHz / QPSK / CSE

Lowest Channel

Middle Channel

Highest Channel

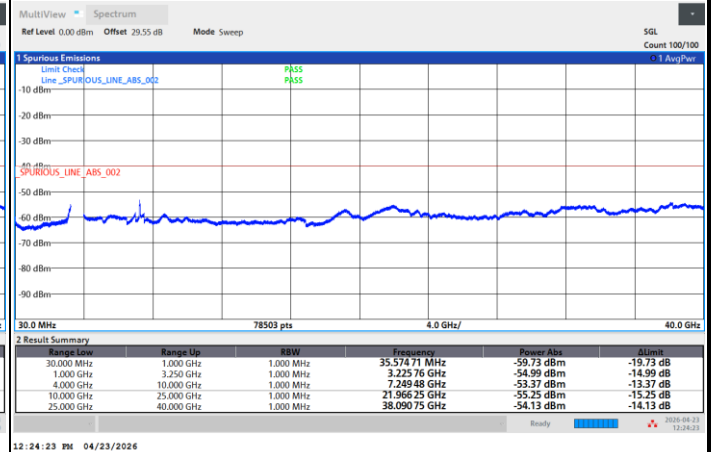
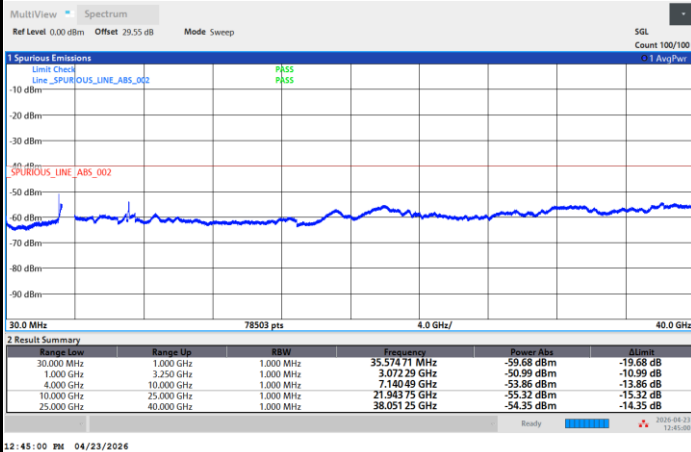




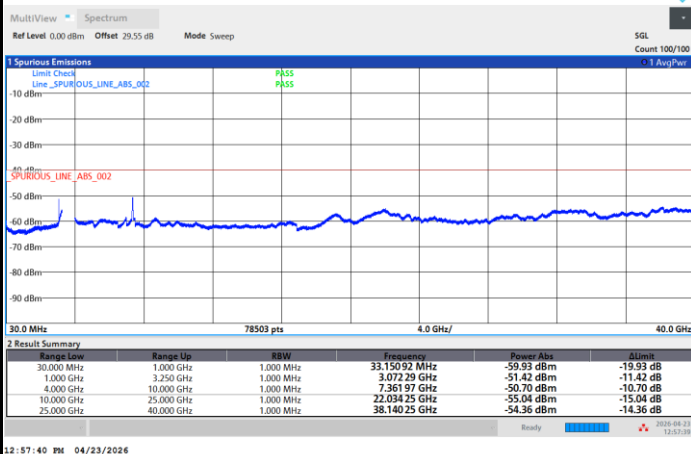
FR1 n48 / 40MHz / QPSK / CSE

Lowest Channel

Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Frequency offset (ppm)	Result
50	Normal Voltage	0.3862	PASS
40	Normal Voltage	0.6621	
30	Normal Voltage	0.2759	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.9379	
0	Normal Voltage	0.6621	
-10	Normal Voltage	0.6069	
-20	Normal Voltage	1.0483	
-30	Normal Voltage	0.9379	
20	Maximum Voltage	0.3310	
20	Normal Voltage	0.7172	
20	Minimum Voltage	0.8828	

Note:

1. Normal Voltage = 115 V. ; Minimum Voltage = 100 V. ; Maximum Voltage = 240 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Gerry Wei	Relative Humidity(%):	56.4~60.9
		Temperature(°C):	21.2~24.0

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
1	NR SA n48	Part 96	M	7250	-40.78	RMS	37.10	-43.10	0.95	-95.23	59.49	-40.00	-0.78	V	1+2

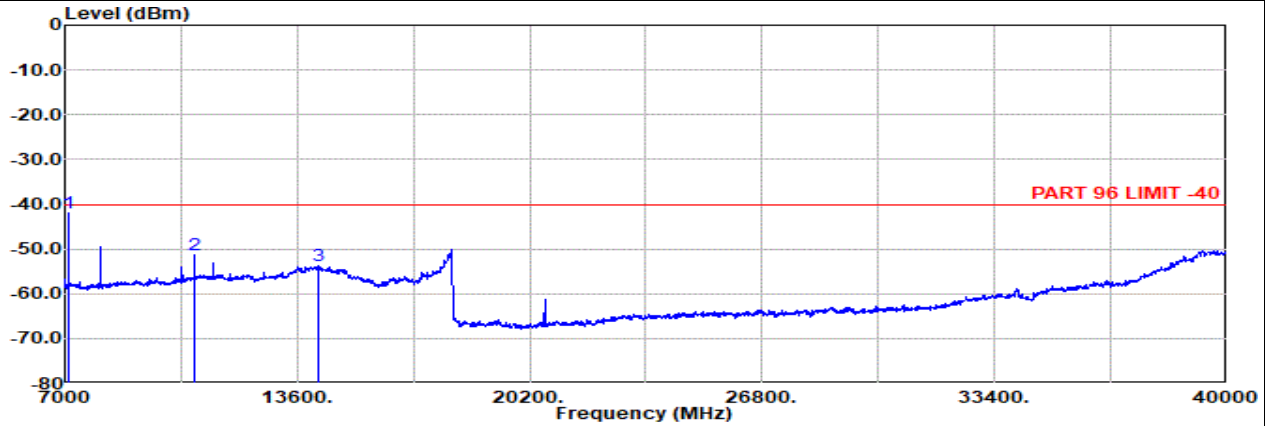


Ant. 1+2

Part 96 Mode 1

NR SA n48 Ch637000

L

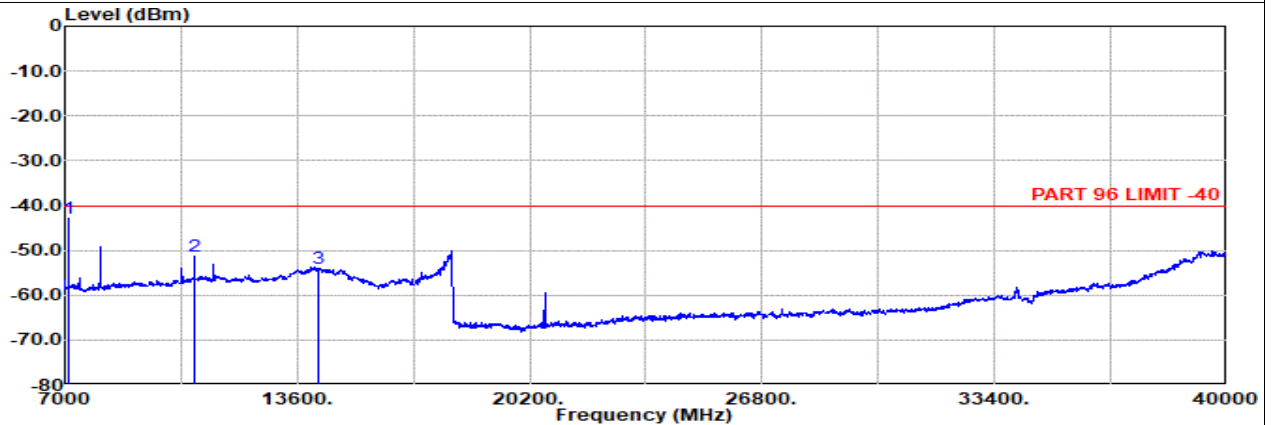


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-250702 Horizontal

: SA n48 10M Ch637000 Full RB BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	7110.00	-41.98 RMS	36.66	-43.20	1.10	-95.23	58.69	-40.00	-1.98	Horizontal
2	10665.00	-51.34 RMS	39.20	-39.45	0.59	-95.23	43.55	-40.00	-11.34	Horizontal
3	14220.00	-53.88 RMS	40.96	-35.56	0.43	-95.23	35.52	-40.00	-13.88	Horizontal



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-250702 Vertical

: SA n48 10M Ch637000 Full RB BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	7110.00	-42.79 RMS	36.66	-43.20	1.10	-95.23	57.88	-40.00	-2.79	Vertical
2	10665.00	-51.41 RMS	39.20	-39.45	0.59	-95.23	43.48	-40.00	-11.41	Vertical
3	14220.00	-53.97 RMS	40.96	-35.56	0.43	-95.23	35.43	-40.00	-13.97	Vertical

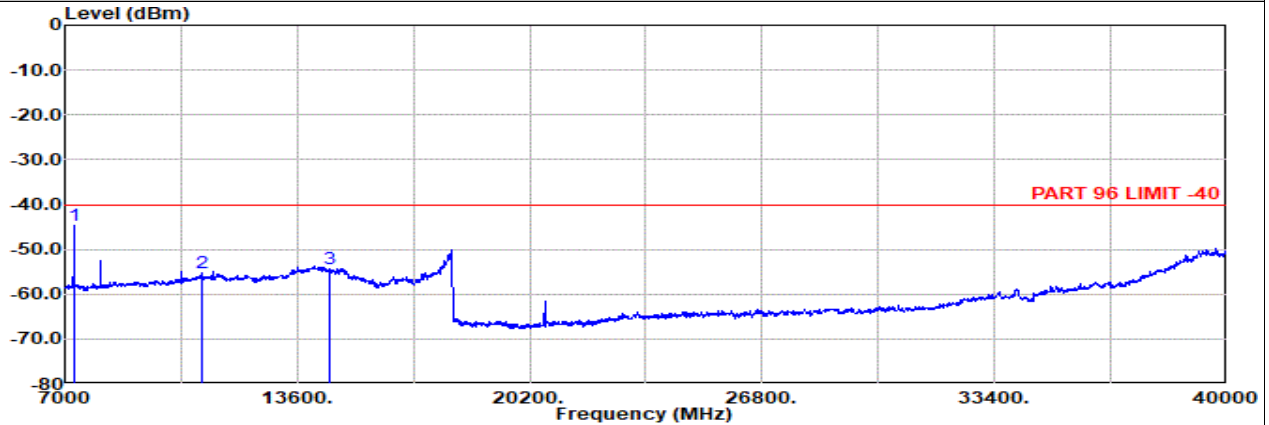


Ant. 1+2

Part 96 Mode 1

NR SA n48 Ch641666

M

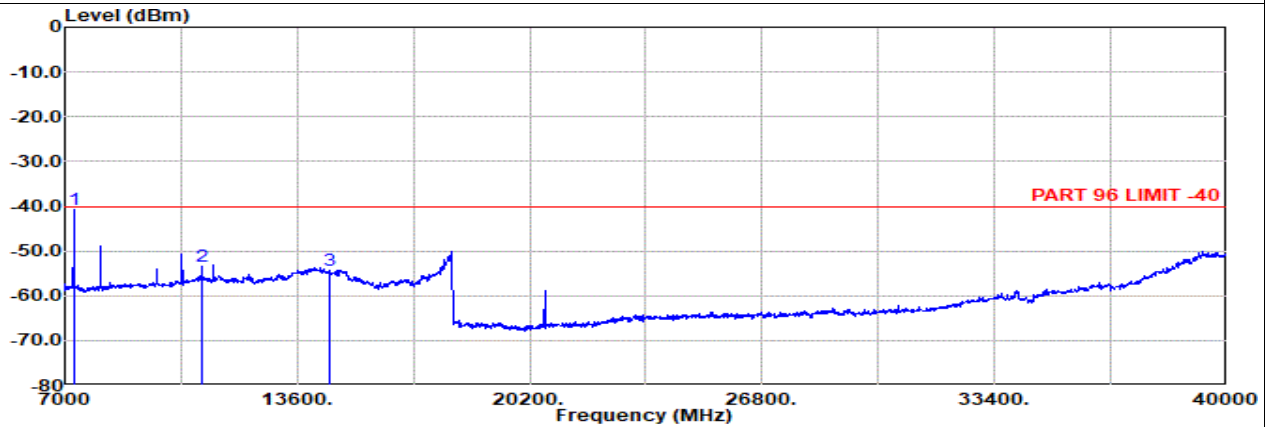


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-250702 Horizontal

: SA n48 10M Ch641666 Full RB BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7250.00	-44.72	RMS	37.10	-43.10	0.95	-95.23	55.56	-40.00	-4.72	Horizontal			
2	10875.00	-55.40	RMS	39.00	-38.94	0.59	-95.23	39.18	-40.00	-15.40	Horizontal			
3	14500.00	-54.31	RMS	40.80	-35.60	0.41	-95.23	35.31	-40.00	-14.31	Horizontal			



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-250702 Vertical

: SA n48 10M Ch641666 Full RB BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7250.00	-40.78	RMS	37.10	-43.10	0.95	-95.23	59.49	-40.00	-0.78	Vertical			
2	10875.00	-53.55	RMS	39.00	-38.96	0.59	-95.23	41.05	-40.00	-13.55	Vertical			
3	14500.00	-54.34	RMS	40.80	-35.60	0.41	-95.23	35.27	-40.00	-14.34	Vertical			

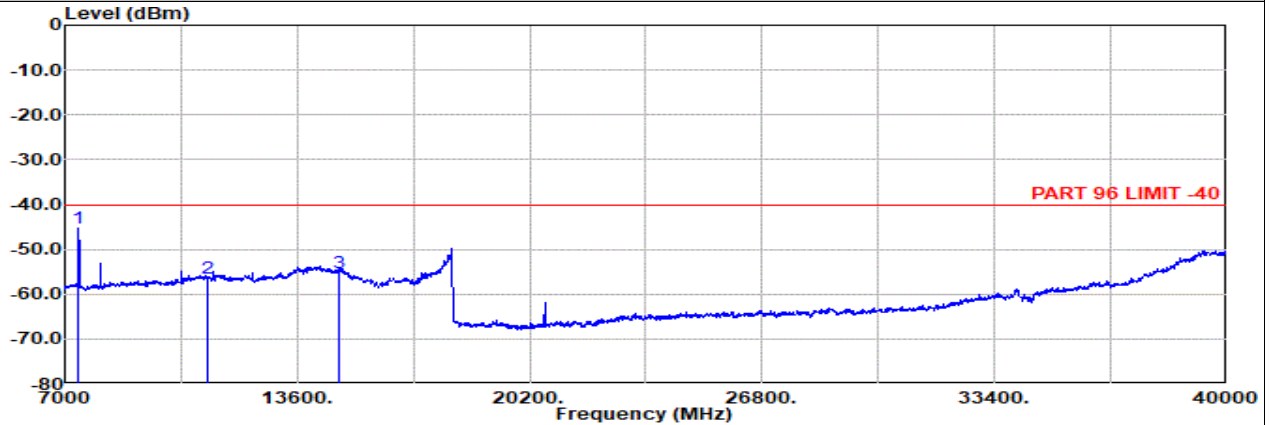


Ant. 1+2

Part 96 Mode 1

NR SA n48 Ch646332

H

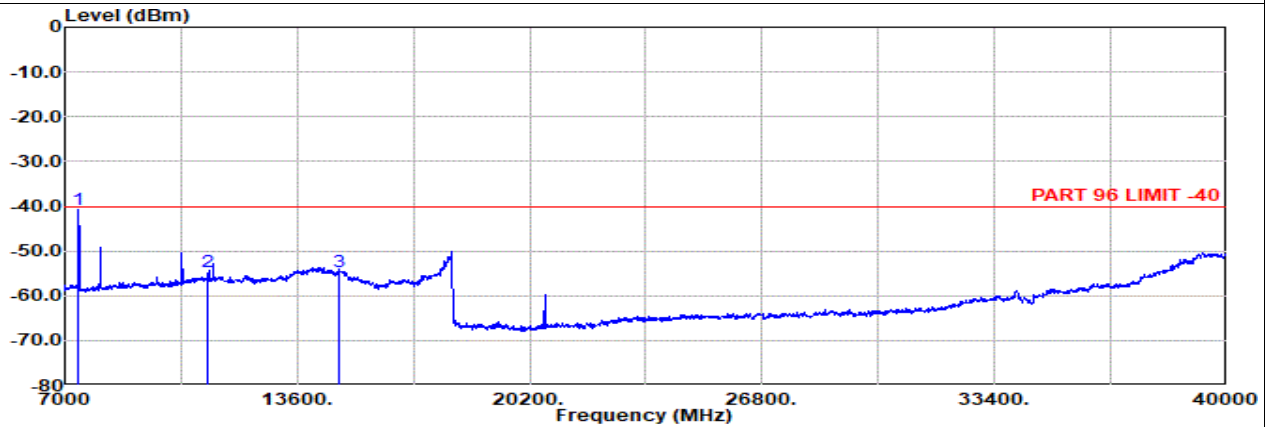


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-250702 Horizontal

: SA n48 10M Ch646332 Full RB BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7382.00	-45.32	RMS	36.97	-43.01	0.89	-95.23	55.06	-40.00	-5.32	Horizontal			
2	11072.00	-56.49	RMS	39.04	-38.56	0.60	-95.23	37.66	-40.00	-16.49	Horizontal			
3	14763.00	-55.16	RMS	40.45	-35.48	0.40	-95.23	34.70	-40.00	-15.16	Horizontal			



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-250702 Vertical

: SA n48 10M Ch646332 Full RB BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7382.00	-40.81	RMS	36.97	-43.01	0.89	-95.23	59.57	-40.00	-0.81	Vertical			
2	11072.00	-54.56	RMS	39.04	-38.56	0.60	-95.23	39.59	-40.00	-14.56	Vertical			
3	14763.00	-54.73	RMS	40.45	-35.48	0.40	-95.23	35.13	-40.00	-14.73	Vertical			

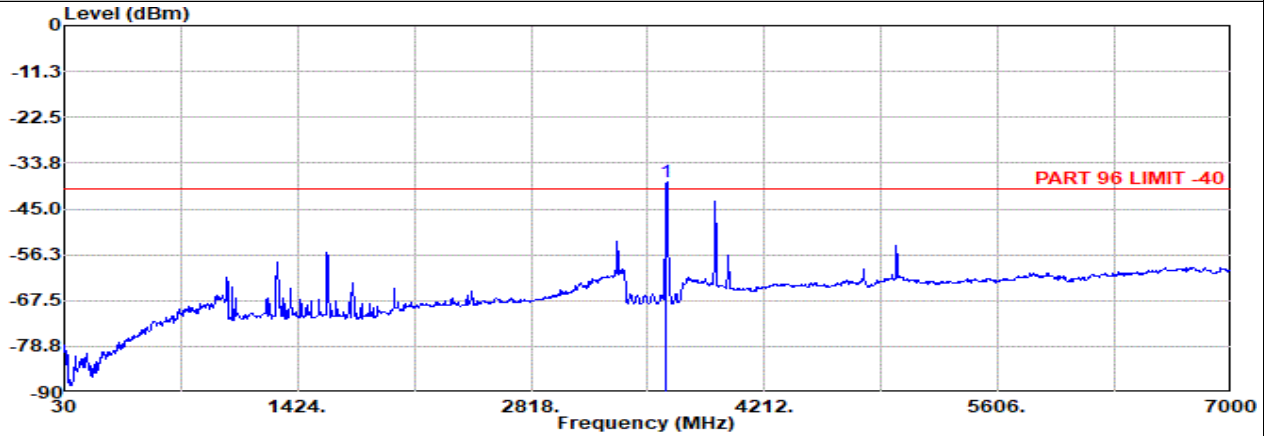


Ant. 1+2

Part 96 Mode 1

NR SA n48 Ch641666

M



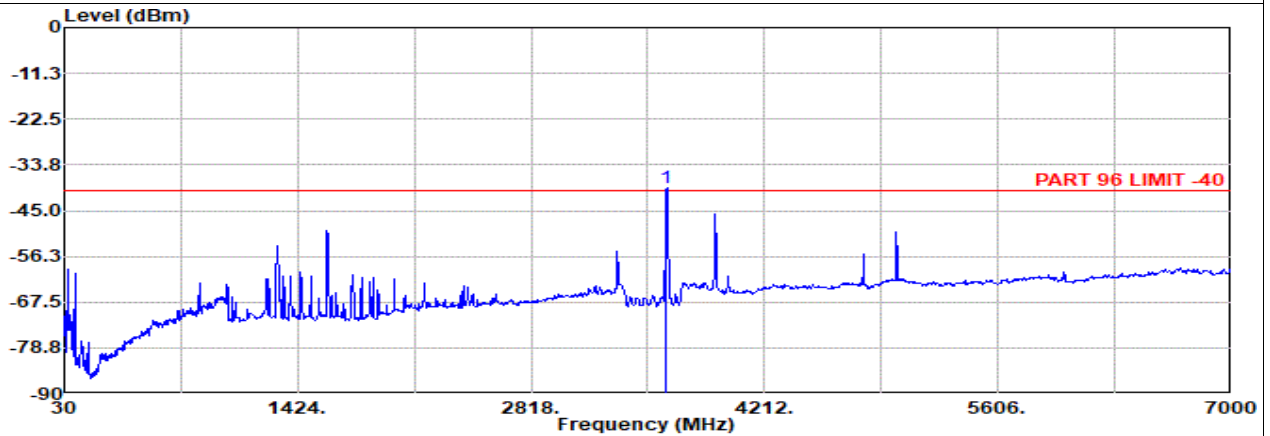
Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-250702 Horizontal

: SA n48 10M Ch641666 Full RB 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	-38.27	RMS	29.65	-46.42	0.58	-95.23	73.15	-40.00	1.73	Horizontal



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-250702 Vertical

: SA n48 10M Ch641666 Full RB 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	-39.36	RMS	29.65	-46.42	0.58	-95.23	72.06	-40.00	0.64	Vertical