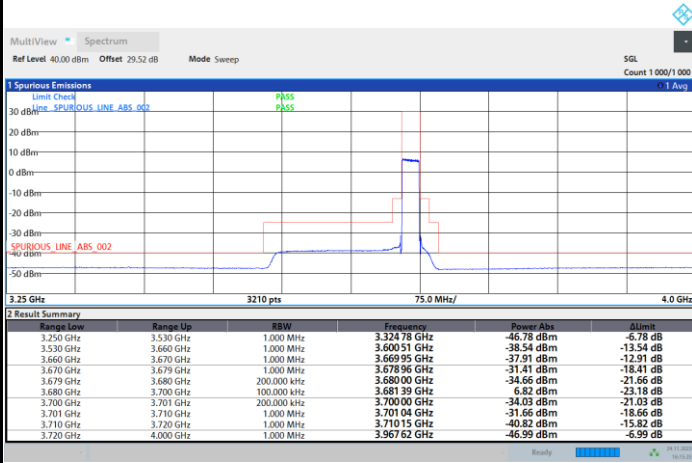




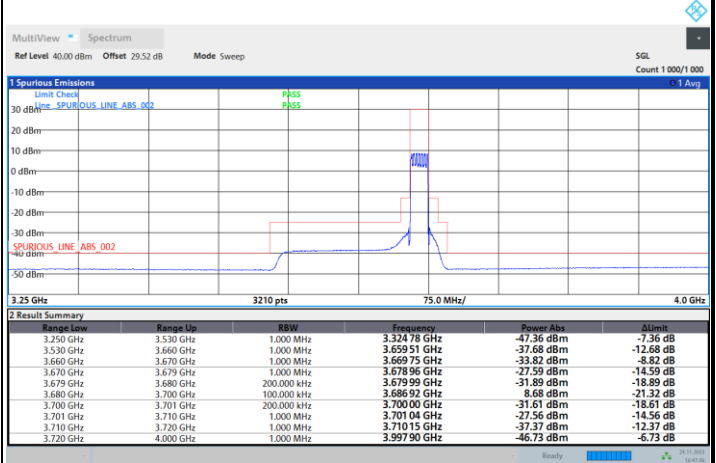
FR1 n48 / 20MHz / Highest Channel / MASK

QPSK



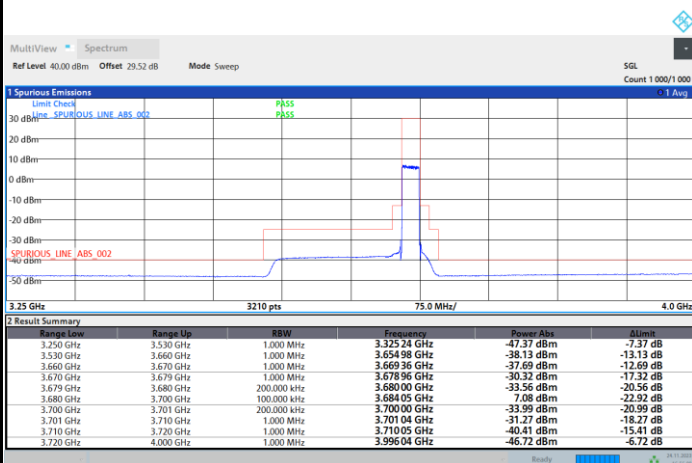
16:15:25 24.11.2023

16QAM



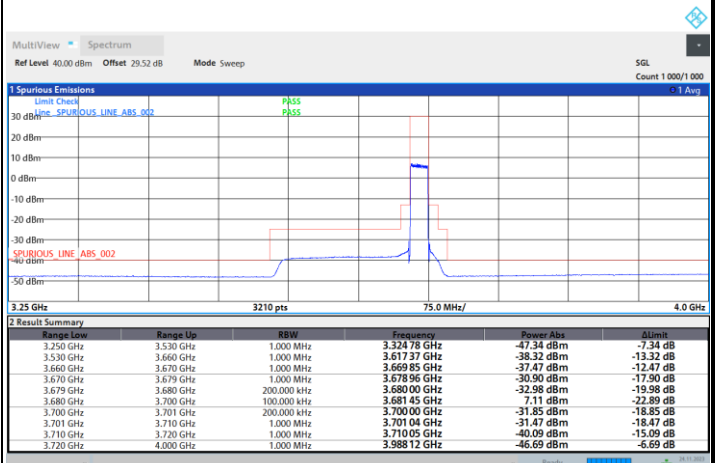
16:47:36 24.11.2023

64QAM



16:54:09 24.11.2023

256QAM

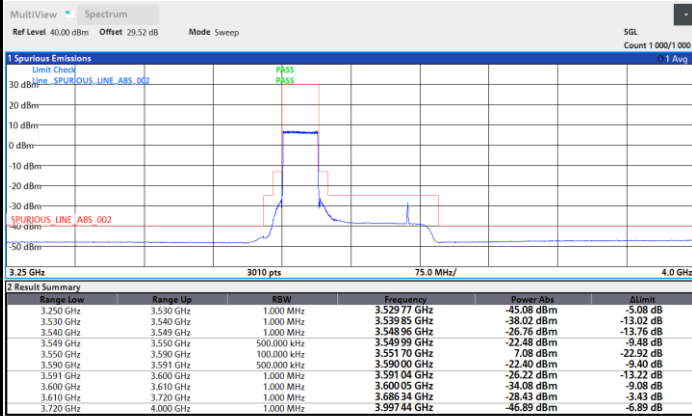


17:01:40 24.11.2023

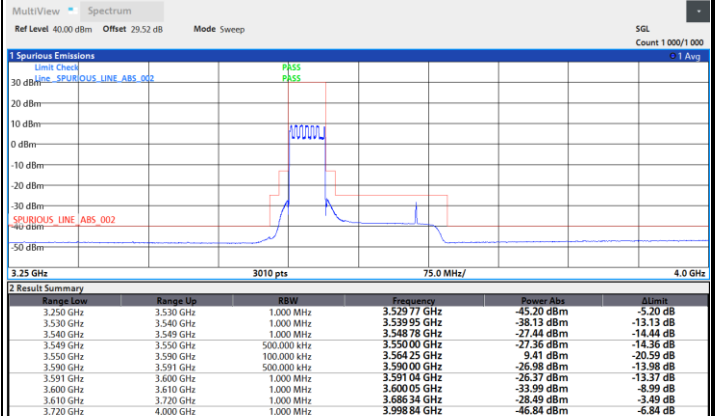


FR1 n48 / 40MHz / Lowest Channel / MASK

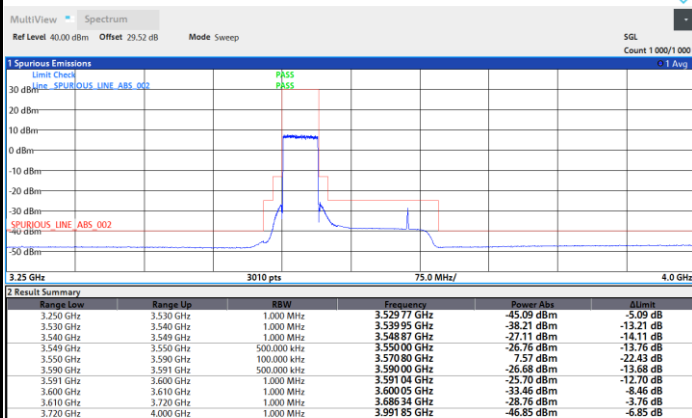
QPSK



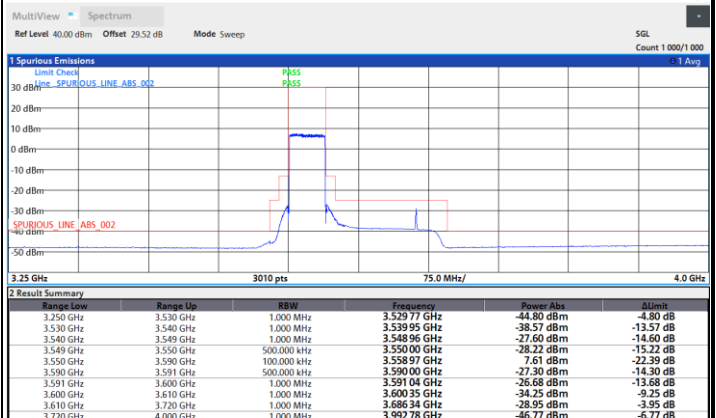
16QAM



64QAM



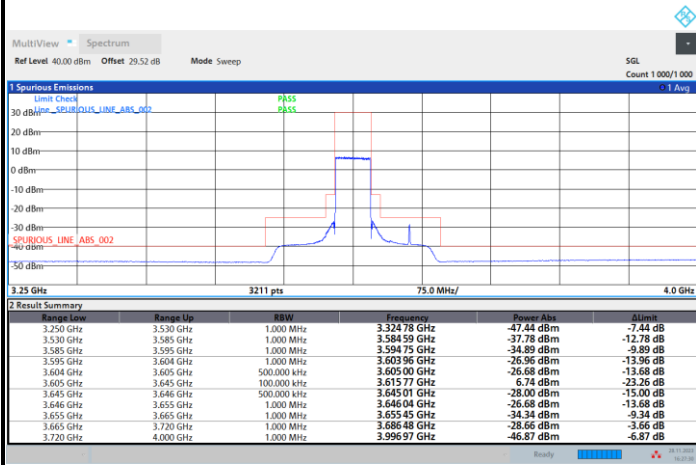
256QAM



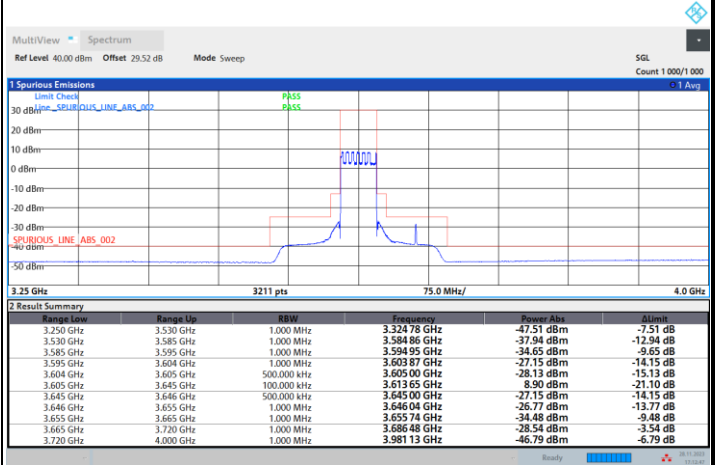


FR1 n48 / 40MHz / Middle Channel / MASK

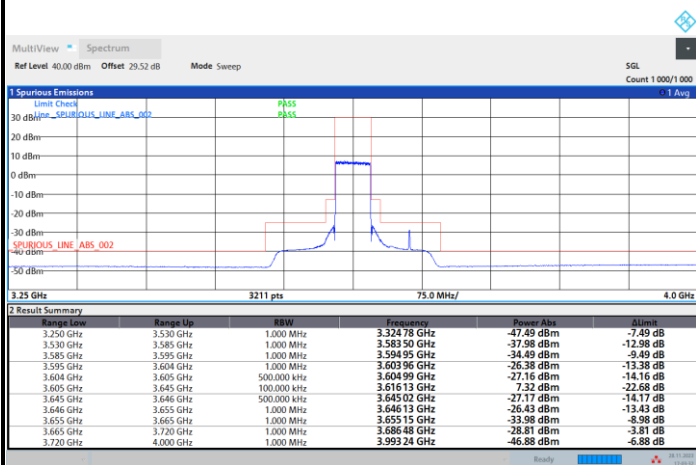
QPSK



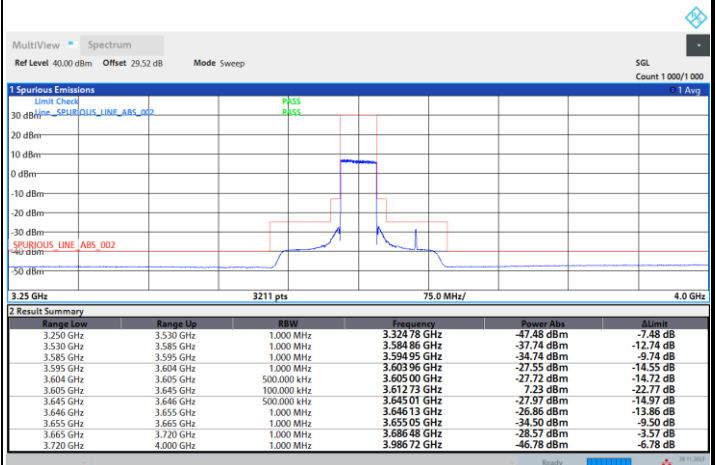
16QAM



64QAM



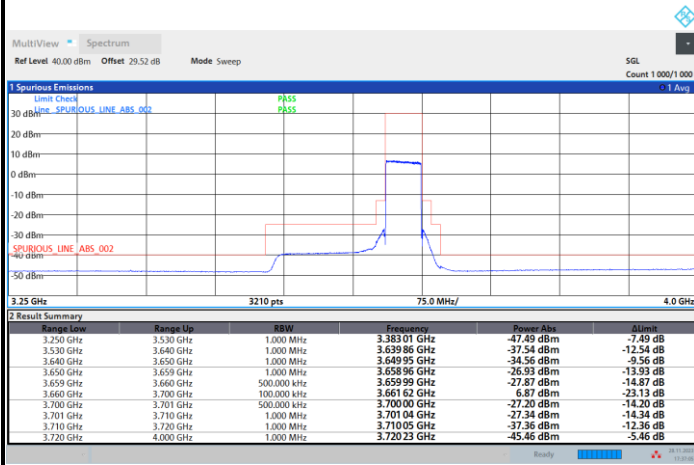
256QAM



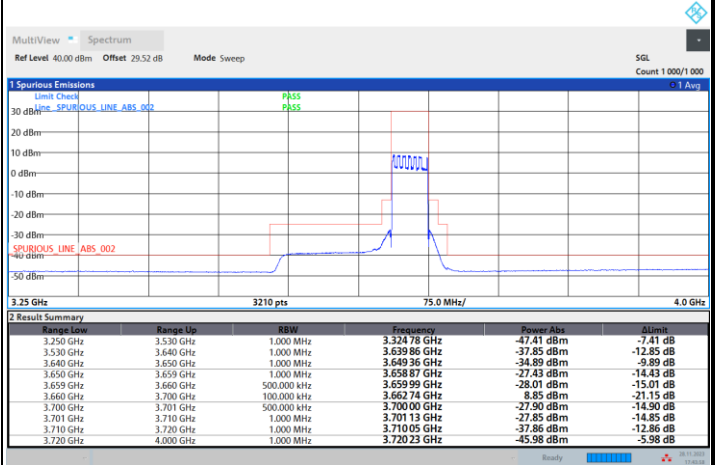


FR1 n48 / 40MHz / Highest Channel / MASK

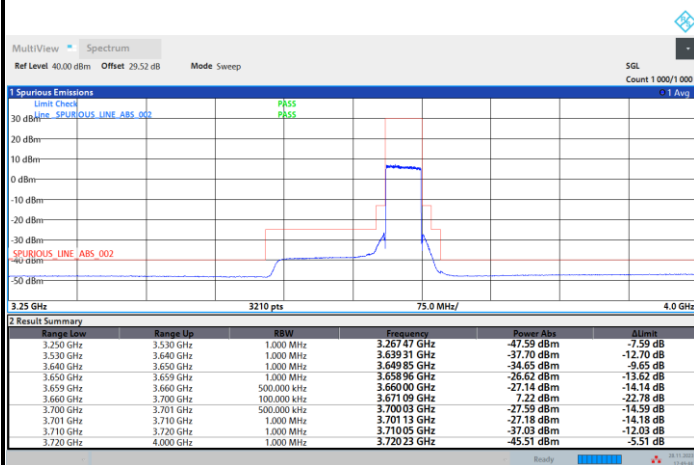
QPSK



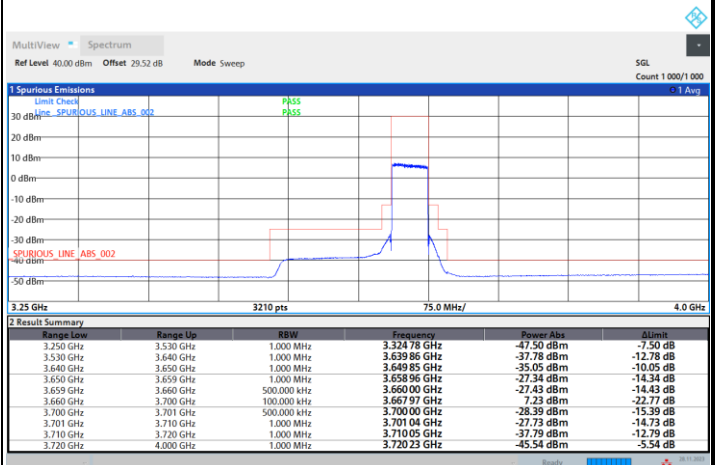
16QAM



64QAM



256QAM





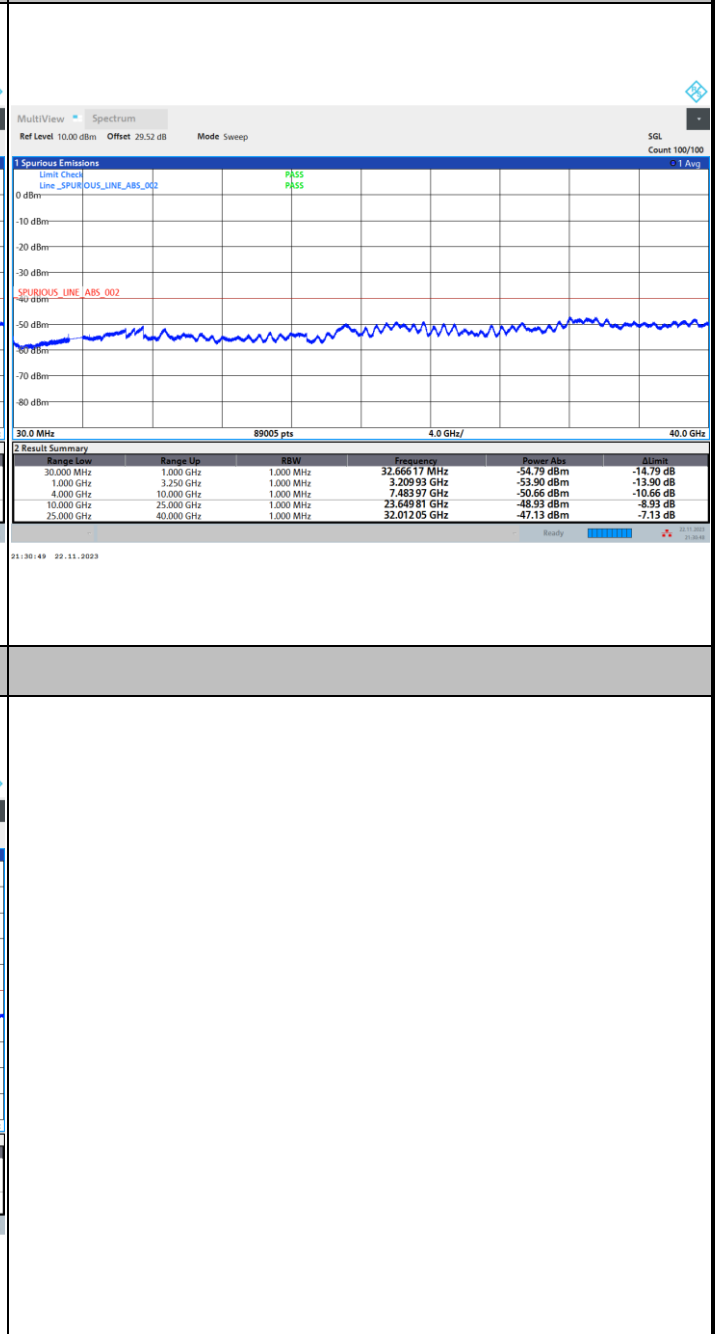
Conducted Spurious Emission

FR1 n48 / 10MHz / QPSK / CSE

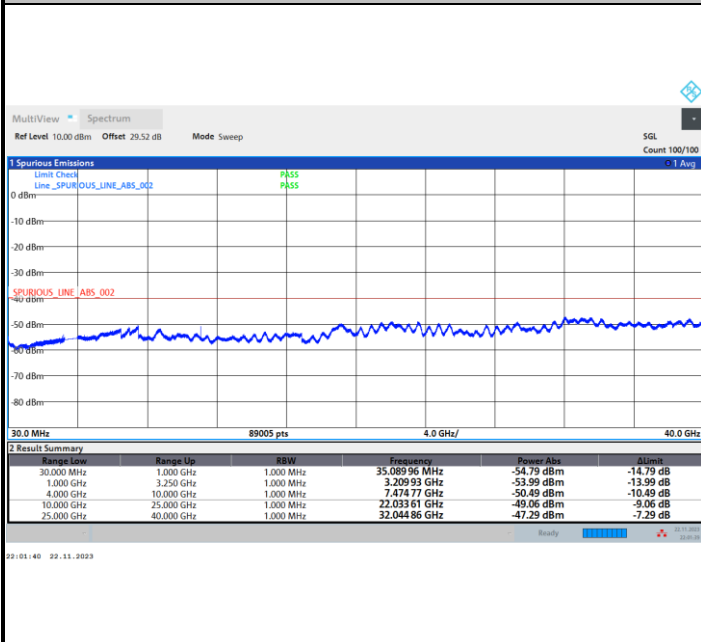
Lowest Channel



Middle Channel



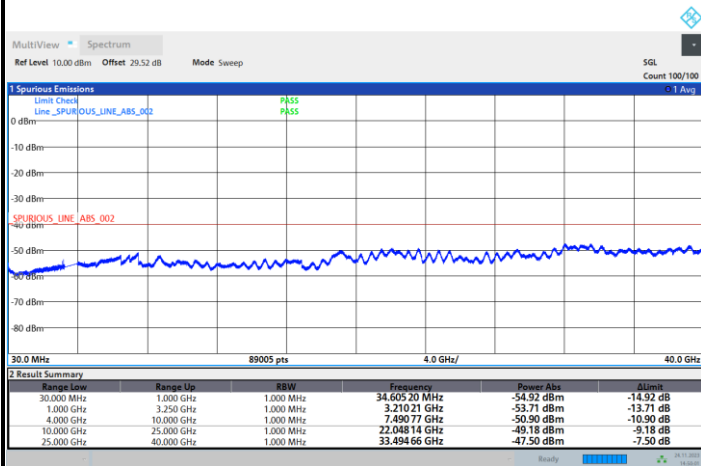
Highest Channel



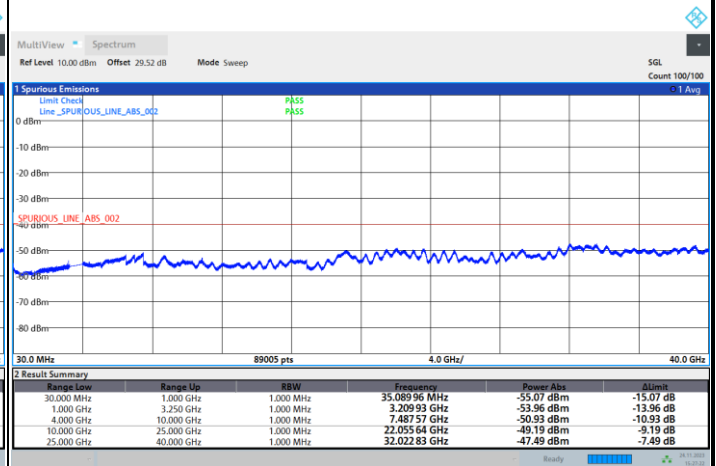


FR1 n48 / 20MHz / QPSK / CSE

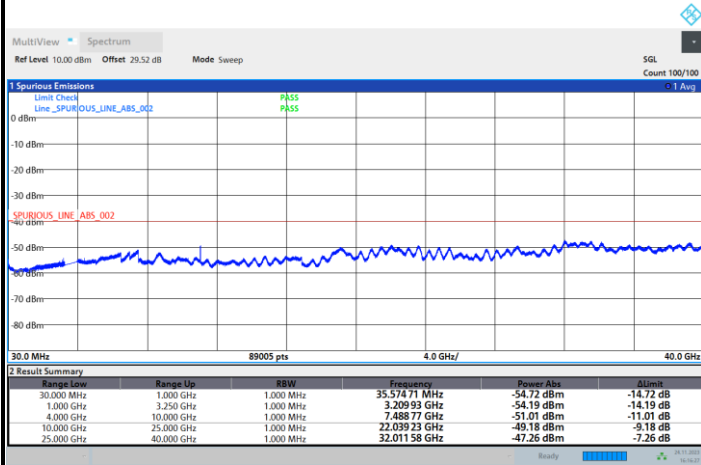
Lowest Channel



Middle Channel



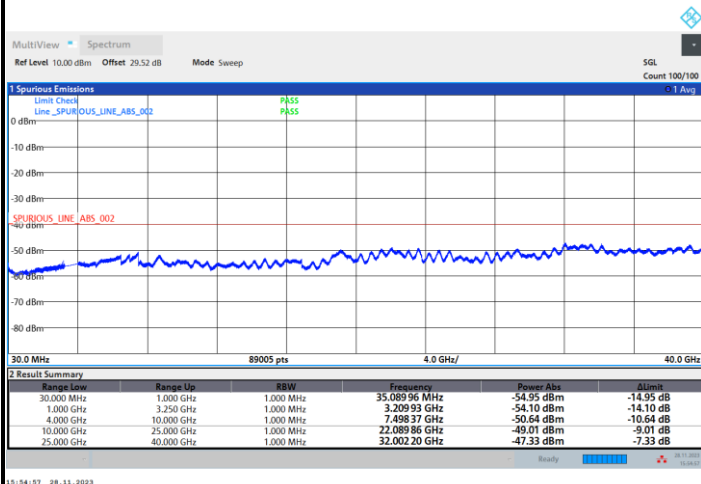
Highest Channel



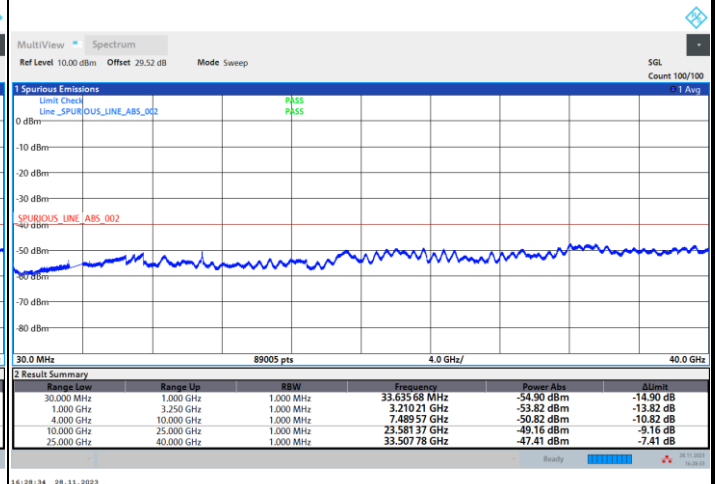


FR1 n48 / 40MHz / QPSK / CSE

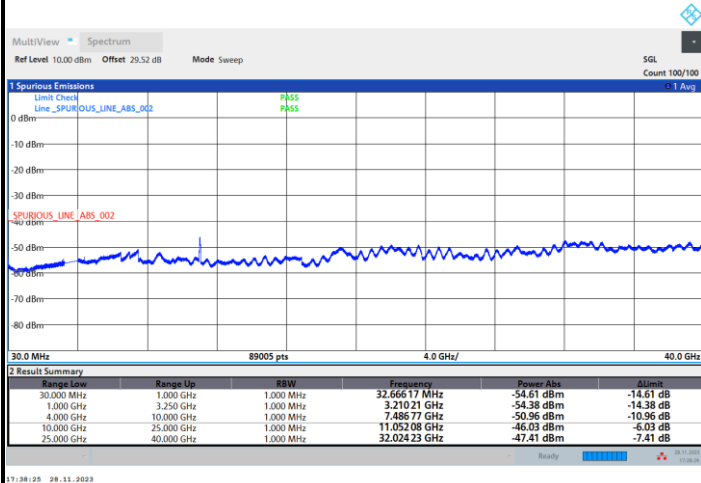
Lowest Channel



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	0.2207	PASS
40	Normal Voltage	0.1655	
30	Normal Voltage	1.0483	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.3862	
0	Normal Voltage	0.8828	
-10	Normal Voltage	0.0552	
-20	Normal Voltage	0.3862	
-30	Normal Voltage	0.0552	
20	Maximum Voltage	0.4414	
20	Normal Voltage	0.1103	
20	Minimum Voltage	0.5517	

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. Test Results of Radiated Test

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	5G NR n48	M	14500	-48.48	RMS	40.80	-45.50	0.78	-95.23	50.67	-40.00	-8.48	H	MIMO

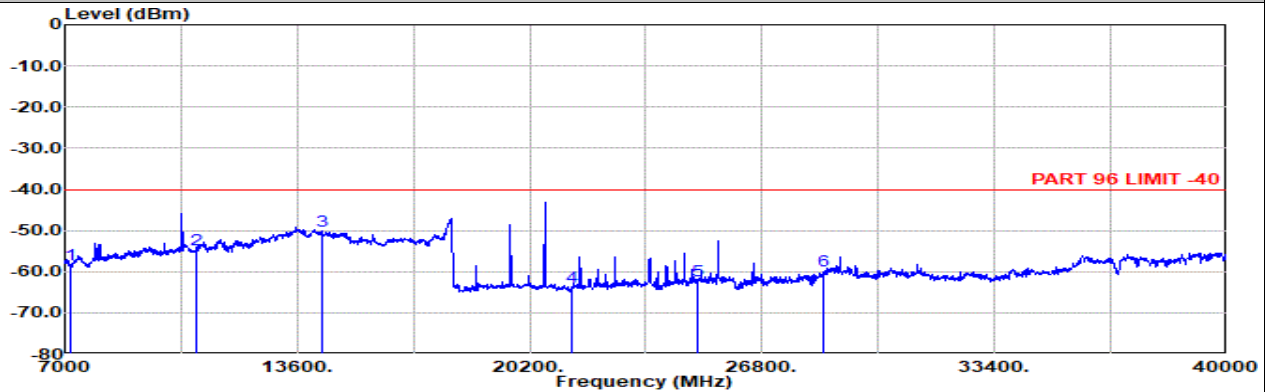


MIMO

Part 96 Mode 1

NR SA n48 40M Ch638000 106RB0 QPSK

L

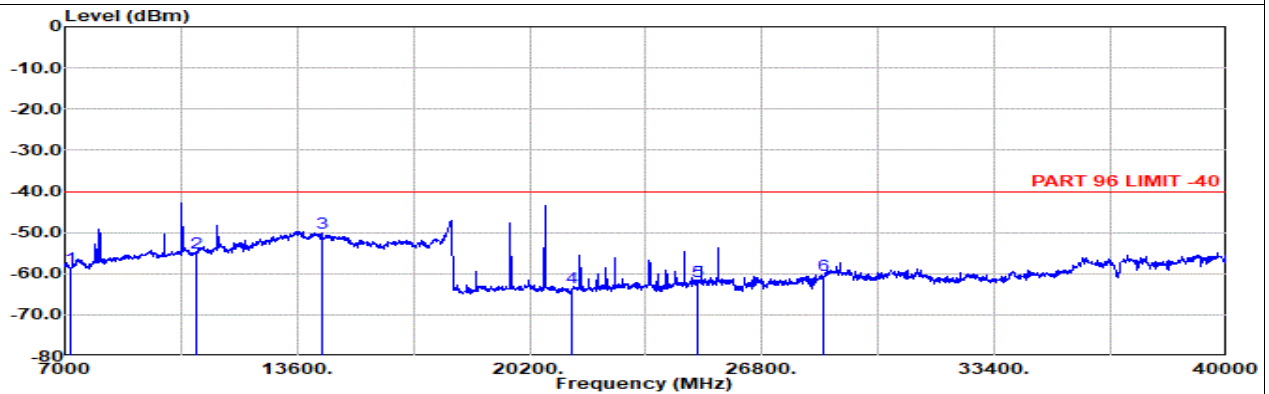


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Horizontal

: SA n48 40M Ch638000 106RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7140.00	-58.35	RMS	36.82	-51.96	1.11	-95.23	50.92	-40.00	-18.35	Horizontal
2	10710.00	-54.50	RMS	39.28	-49.86	0.54	-95.23	50.77	-40.00	-14.50	Horizontal
3	14280.00	-50.23	RMS	40.94	-45.73	0.77	-95.23	49.02	-40.00	-10.23	Horizontal
4	21420.00	-63.70	RMS	38.04	-40.34	-9.54	-95.23	43.37	-40.00	-23.70	Horizontal
5	24990.00	-62.18	RMS	39.14	-35.79	-9.54	-95.23	39.24	-40.00	-22.18	Horizontal
6	28560.00	-59.77	RMS	40.56	-33.85	-9.54	-95.23	38.29	-40.00	-19.77	Horizontal



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Vertical

: SA n48 40M Ch638000 106RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7140.00	-58.42	RMS	36.82	-51.96	1.11	-95.23	50.85	-40.00	-18.42	Vertical
2	10710.00	-54.82	RMS	39.28	-49.86	0.54	-95.23	50.45	-40.00	-14.82	Vertical
3	14280.00	-50.13	RMS	40.94	-45.73	0.77	-95.23	49.12	-40.00	-10.13	Vertical
4	21420.00	-63.52	RMS	38.04	-40.34	-9.54	-95.23	43.55	-40.00	-23.52	Vertical
5	24990.00	-61.79	RMS	39.14	-35.79	-9.54	-95.23	39.63	-40.00	-21.79	Vertical
6	28560.00	-60.24	RMS	40.56	-33.85	-9.54	-95.23	37.82	-40.00	-20.24	Vertical

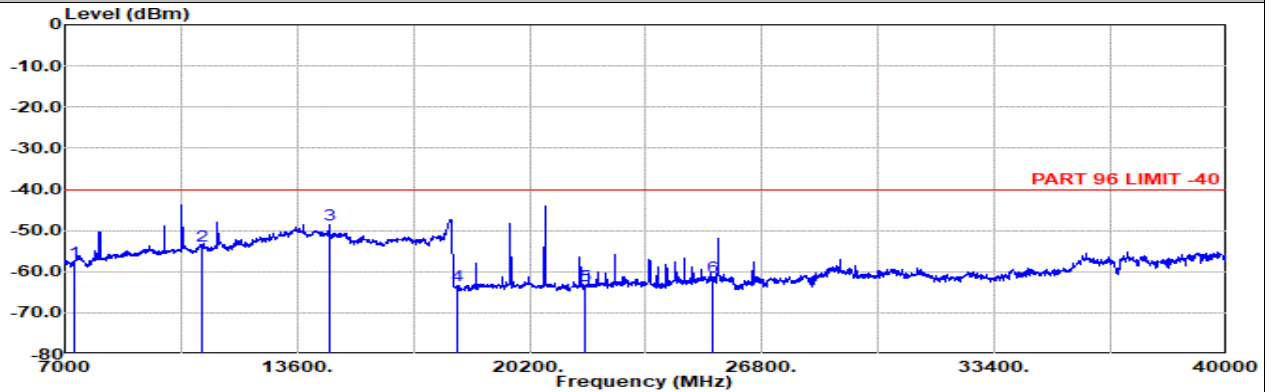


MIMO

Part 96 Mode 1

NR SA n48 40M Ch641666 106RB0 QPSK

M

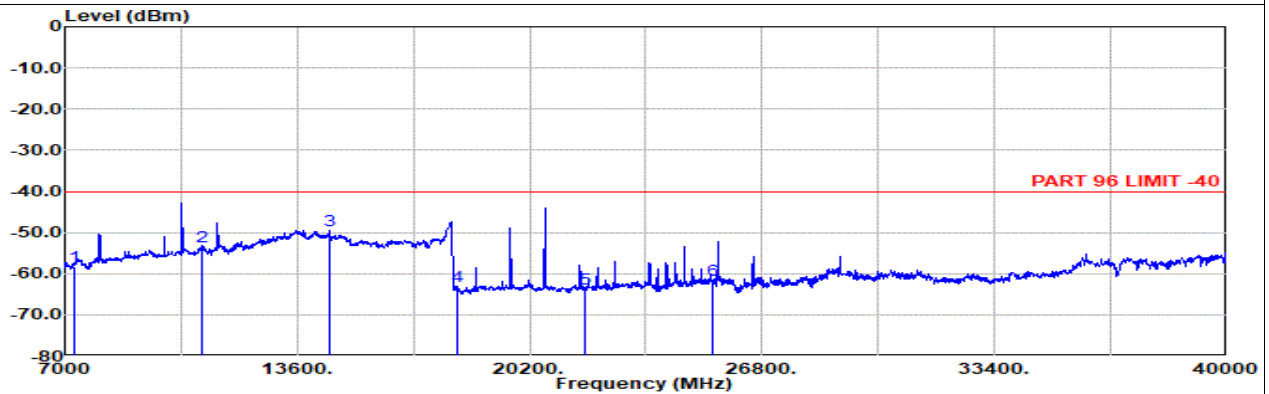


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Horizontal

: SA n48 40M Ch641666 106RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7250.00	-57.66	RMS	37.20	-51.94	0.99	-95.23	51.32	-40.00	-17.66	Horizontal
2	10875.00	-53.68	RMS	39.60	-49.62	0.55	-95.23	51.02	-40.00	-13.68	Horizontal
3	14500.00	-48.48	RMS	40.80	-45.50	0.78	-95.23	50.67	-40.00	-8.48	Horizontal
4	18125.00	-63.50	RMS	37.90	-42.86	-9.54	-95.23	46.23	-40.00	-23.50	Horizontal
5	21750.00	-63.31	RMS	38.00	-39.57	-9.54	-95.23	43.03	-40.00	-23.31	Horizontal
6	25375.00	-61.31	RMS	39.15	-34.68	-9.54	-95.23	38.99	-40.00	-21.31	Horizontal



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Vertical

: SA n48 40M Ch641666 106RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7250.00	-58.27	RMS	37.20	-51.94	0.99	-95.23	50.71	-40.00	-18.27	Vertical
2	10875.00	-53.50	RMS	39.60	-49.62	0.55	-95.23	51.20	-40.00	-13.50	Vertical
3	14500.00	-49.54	RMS	40.80	-45.50	0.78	-95.23	49.61	-40.00	-9.54	Vertical
4	18125.00	-63.07	RMS	37.90	-42.86	0.00	-95.23	37.12	-40.00	-23.07	Vertical
5	21750.00	-63.76	RMS	38.00	-39.57	0.00	-95.23	33.04	-40.00	-23.76	Vertical
6	25375.00	-61.58	RMS	39.15	-34.68	0.00	-95.23	29.18	-40.00	-21.58	Vertical

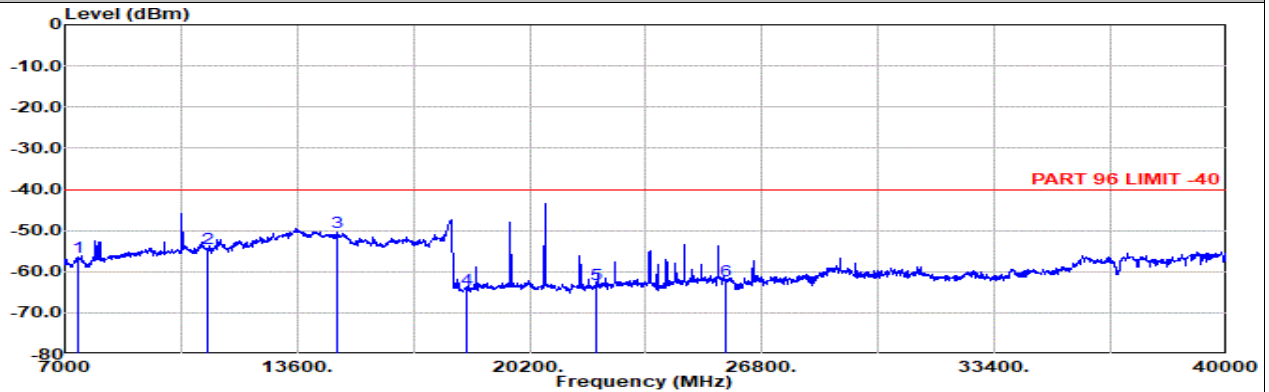


MIMO

Part 96 Mode 1

NR SA n48 40M Ch645332 106RB0 QPSK

H

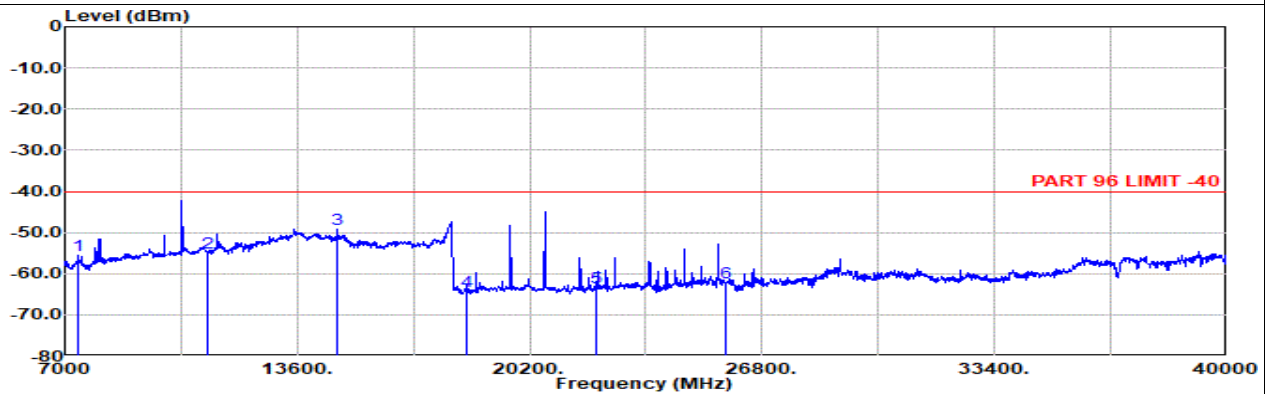


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Horizontal

: SA n48 40M Ch645332 106RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7363.00	-56.60	RMS	36.92	-51.74	0.96	-95.23	52.49	-40.00	-16.60	Horizontal
2	11040.00	-54.47	RMS	38.92	-49.31	0.55	-95.23	50.60	-40.00	-14.47	Horizontal
3	14720.00	-50.38	RMS	40.66	-45.53	0.79	-95.23	48.93	-40.00	-10.38	Horizontal
4	18407.00	-64.21	RMS	37.71	-43.09	-9.54	-95.23	45.94	-40.00	-24.21	Horizontal
5	22089.00	-62.97	RMS	37.90	-38.85	-9.54	-95.23	42.75	-40.00	-22.97	Horizontal
6	25770.00	-62.19	RMS	39.00	-34.81	-9.54	-95.23	38.39	-40.00	-22.19	Horizontal



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Vertical

: SA n48 40M Ch645332 106RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	7363.00	-55.68	RMS	36.92	-51.74	0.96	-95.23	53.41	-40.00	-15.68	Vertical
2	11040.00	-54.99	RMS	38.92	-49.31	0.55	-95.23	50.08	-40.00	-14.99	Vertical
3	14720.00	-49.31	RMS	40.66	-45.53	0.79	-95.23	50.00	-40.00	-9.31	Vertical
4	18407.00	-64.32	RMS	37.71	-43.09	-9.54	-95.23	45.83	-40.00	-24.32	Vertical
5	22089.00	-63.36	RMS	37.90	-38.85	-9.54	-95.23	42.36	-40.00	-23.36	Vertical
6	25770.00	-62.23	RMS	39.00	-34.81	-9.54	-95.23	38.35	-40.00	-22.23	Vertical

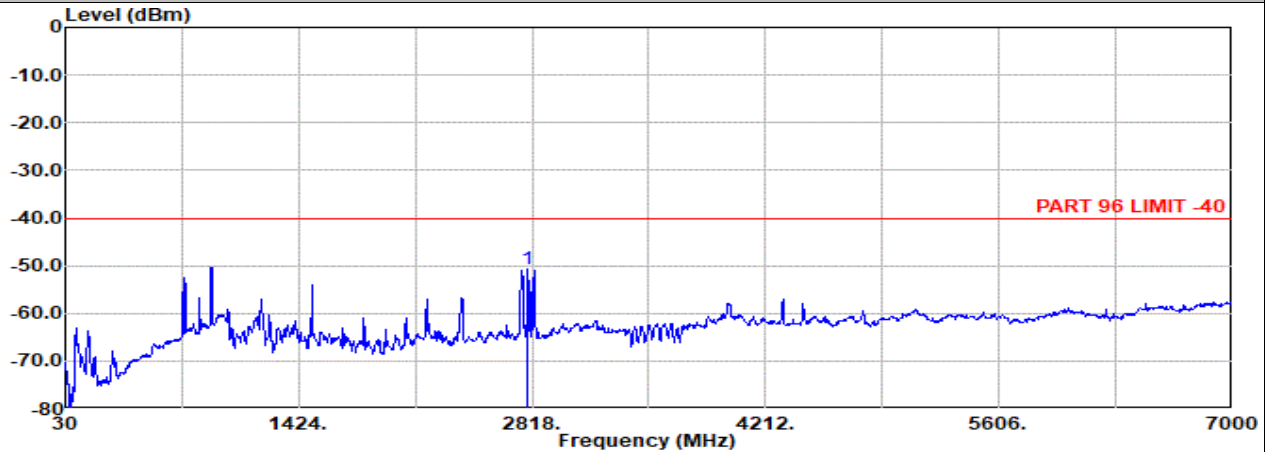


MIMO

Part 96 Mode 1

NR SA n48 40M Ch641666 1RB1 BPSK

M

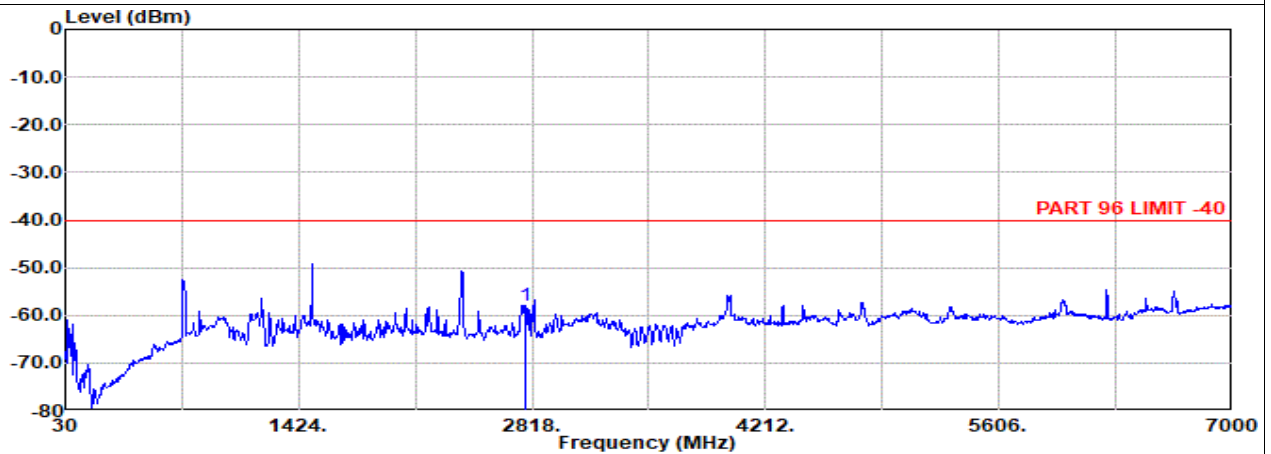


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Horizontal

: SA n48 20M Ch641666 106RB0 QPSK

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	1		g	dBm		
1	2793.61	-50.57	RMS	28.50	-58.26	0.86	-95.23	73.56	-40.00	-10.57 Horizontal



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-230731 Vertical

: SA n48 20M Ch641666 106RB0 QPSK

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	1		g	dBm		
1	2779.67	-57.98	RMS	28.60	-58.32	0.87	-95.23	66.10	-40.00	-17.98 Vertical