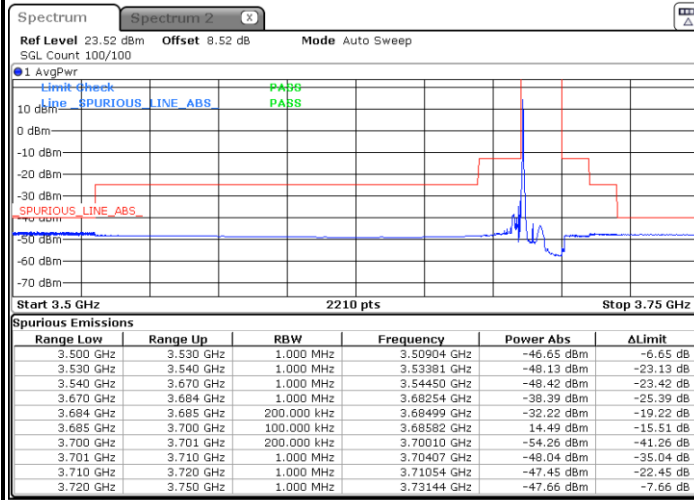




LTE Band 48 / 15MHz

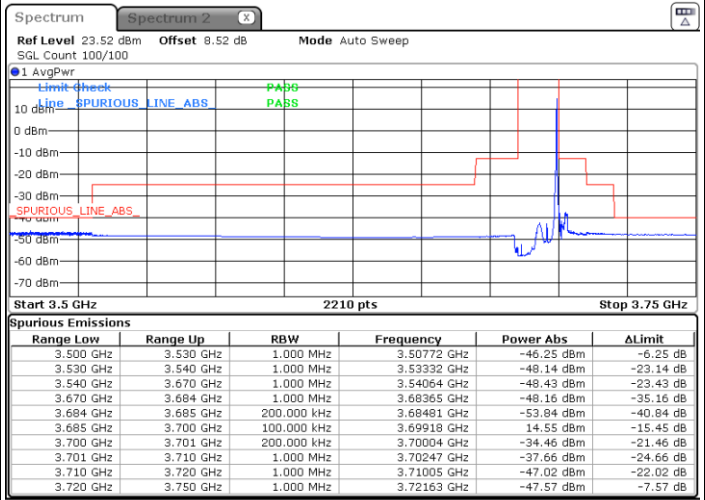
64QAM

Highest Channel / 1RB0



Date: 27.MAR.2024 05:37:11

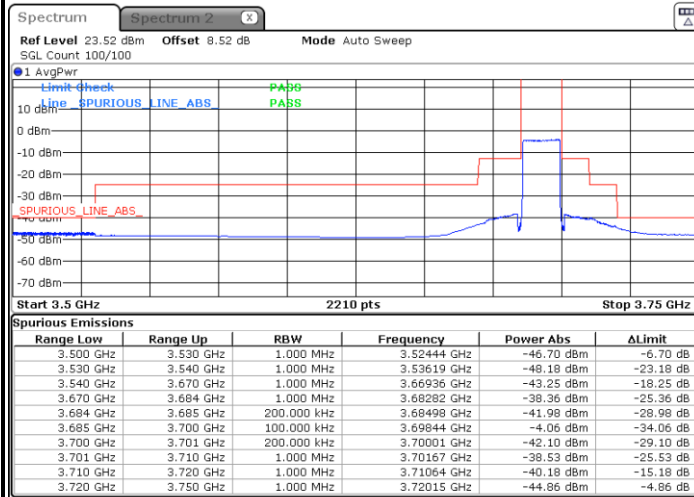
Highest Channel / 1RBmax



Date: 27.MAR.2024 05:30:53

Highest Channel / FullRB

N/A



Date: 27.MAR.2024 05:47:33

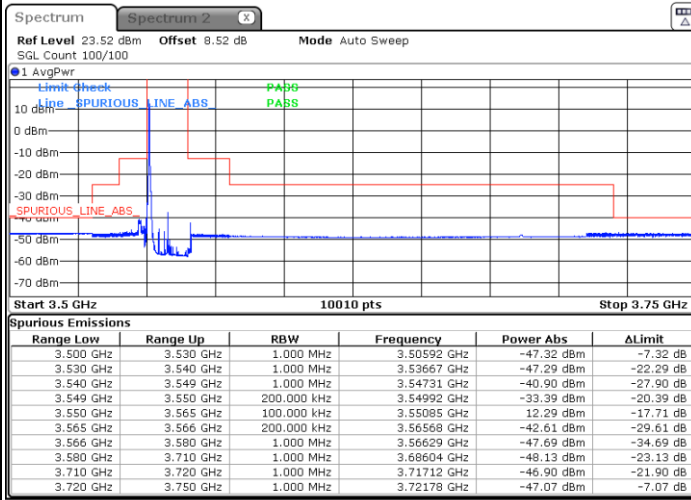


LTE Band 48 / 15MHz

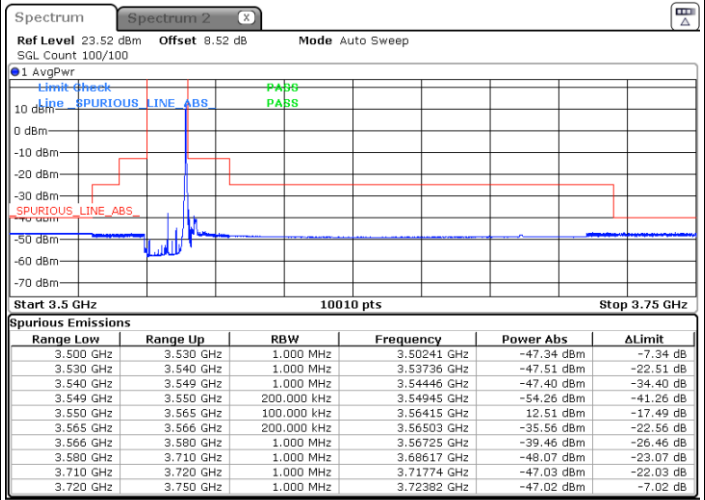
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



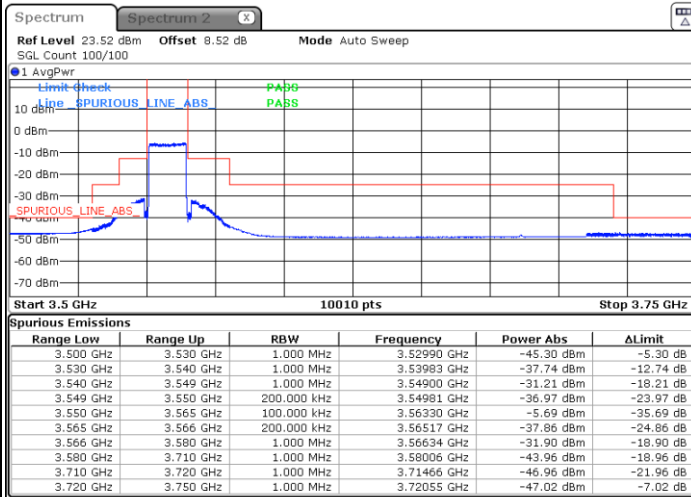
Date: 27.MAR.2024 04:51:26



Date: 27.MAR.2024 04:52:34

Lowest Channel / FullIRB

N/A



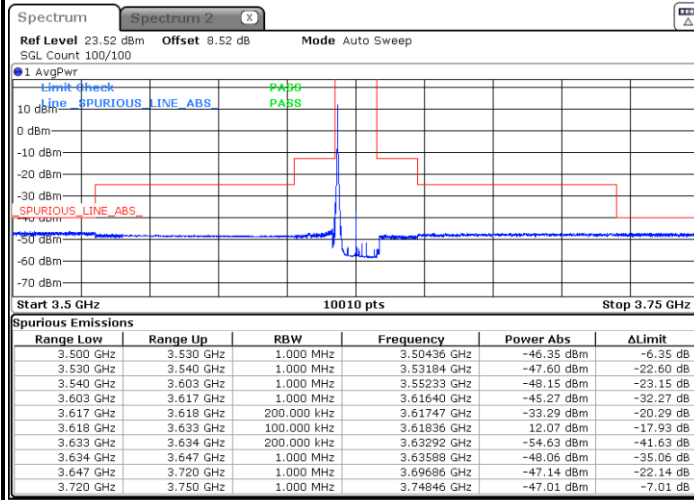
Date: 27.MAR.2024 05:06:44



LTE Band 48 / 15MHz

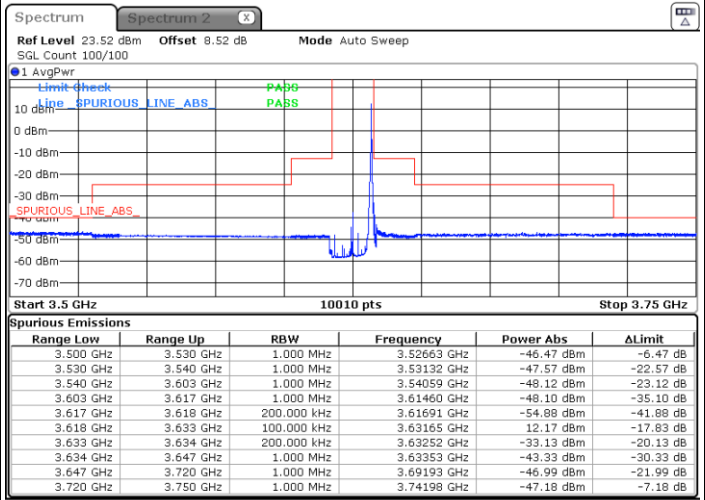
256QAM

Middle Channel / 1RB0



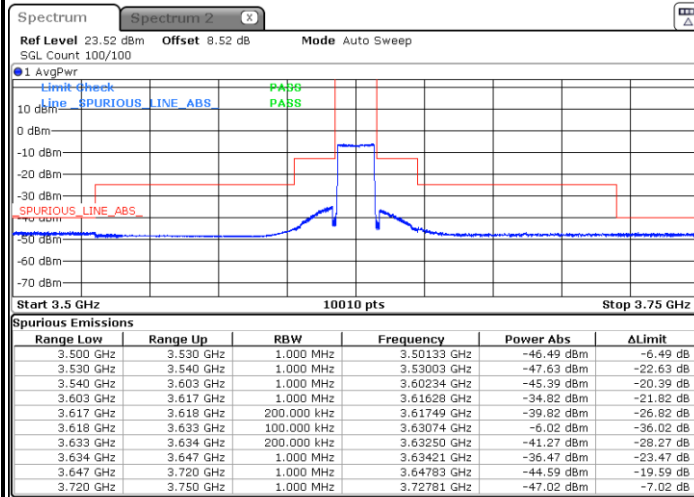
Date: 27.MAR.2024 05:20:31

Middle Channel / 1RBmax



Date: 27.MAR.2024 05:26:56

Middle Channel / Full



Date: 27.MAR.2024 05:15:05

N/A

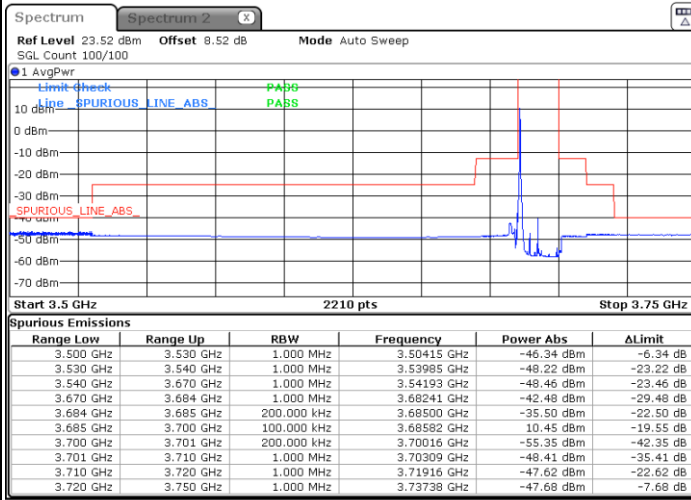


LTE Band 48 / 15MHz

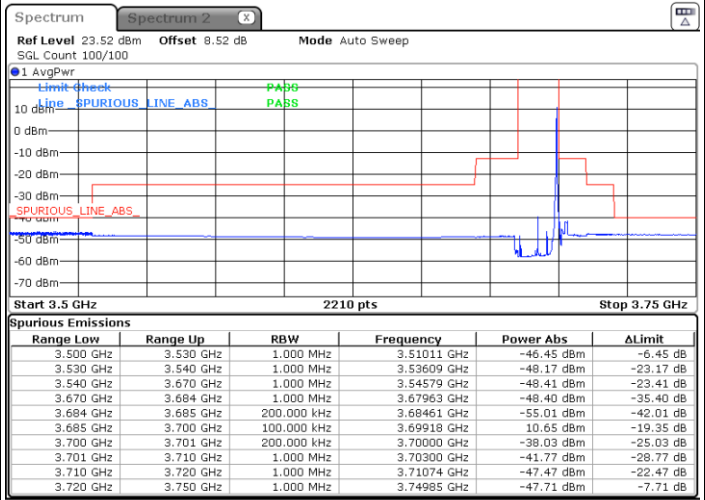
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



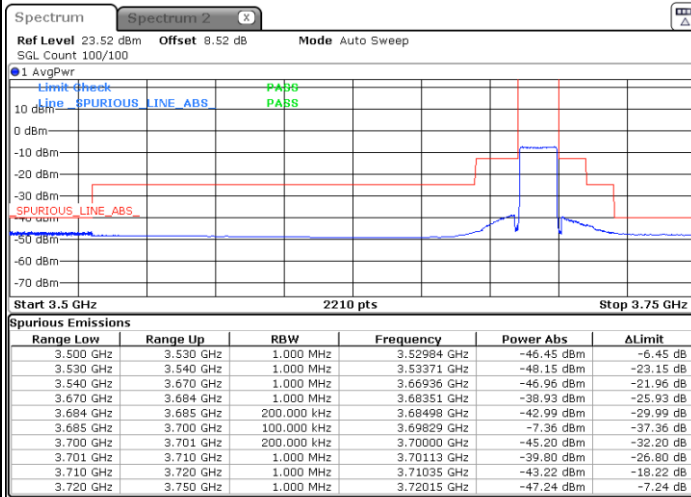
Date: 27.MAR.2024 05:35:57



Date: 27.MAR.2024 05:34:32

Highest Channel / FullIRB

N/A



Date: 27.MAR.2024 05:48:39

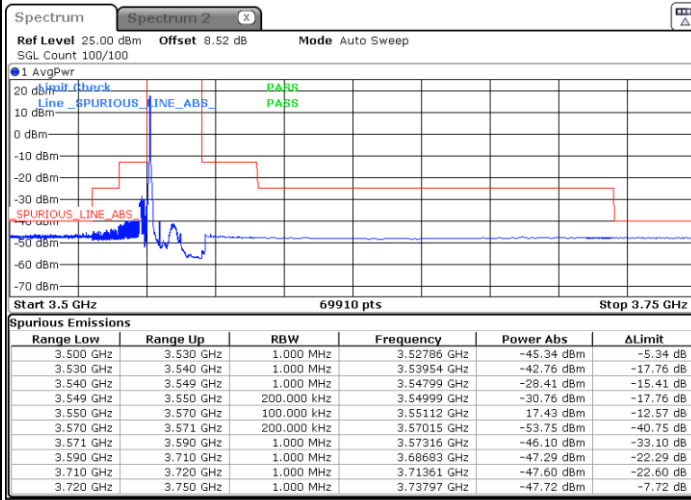


LTE Band 48 / 20MHz

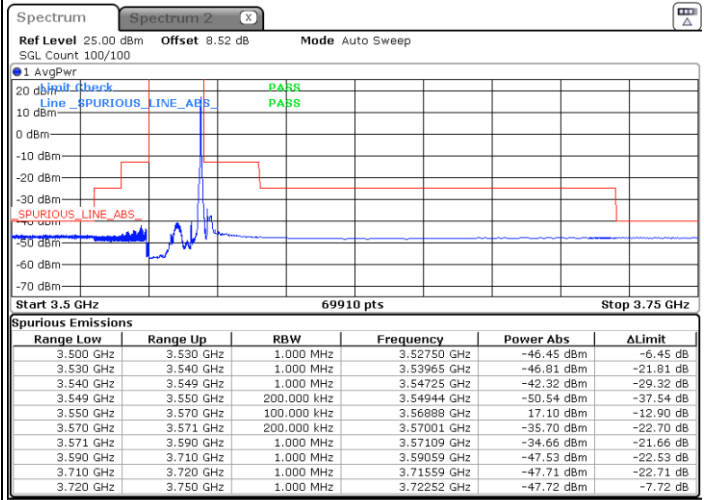
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



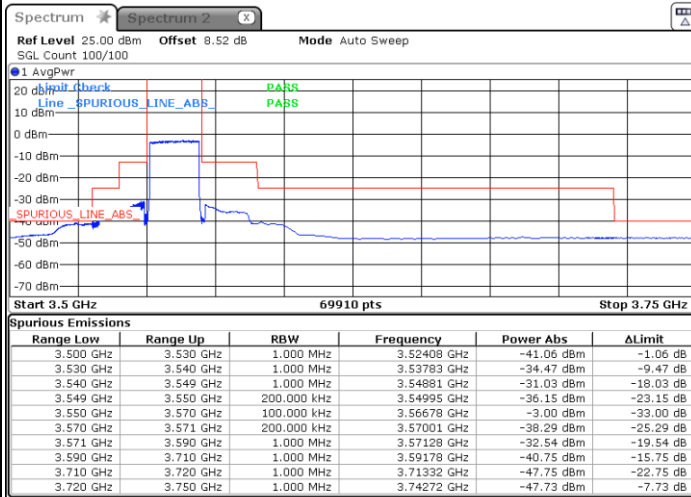
Date: 27.MAR.2024 06:06:42



Date: 27.MAR.2024 06:15:05

Lowest Channel / FullIRB

N/A



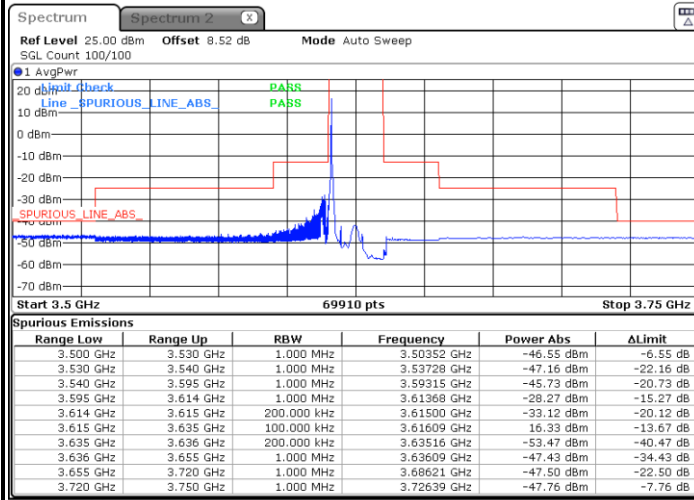
Date: 27.MAR.2024 05:53:14



LTE Band 48 / 20MHz

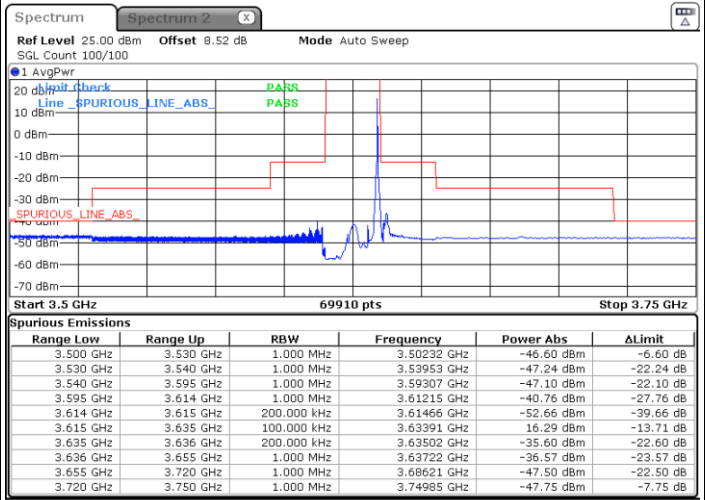
QPSK

Middle Channel / 1RB0



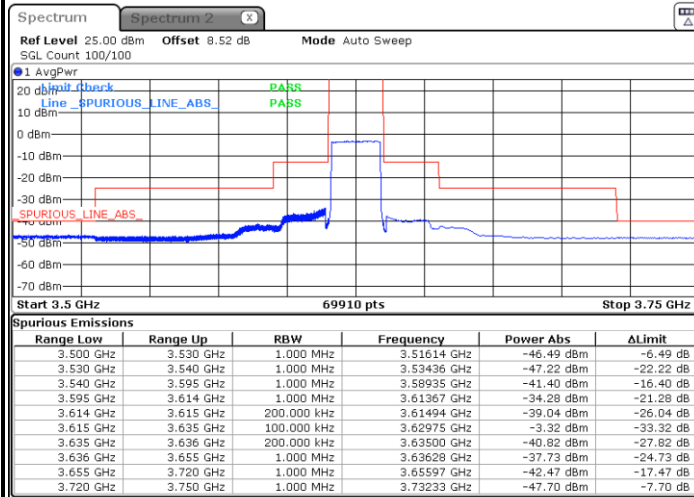
Date: 27.MAR.2024 06:30:57

Middle Channel / 1RBmax



Date: 27.MAR.2024 06:20:06

Middle Channel / Full



Date: 27.MAR.2024 06:33:12

N/A

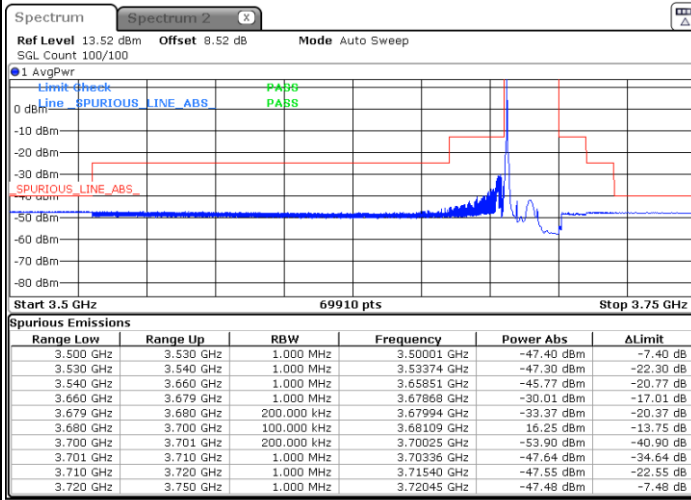


LTE Band 48 / 20MHz

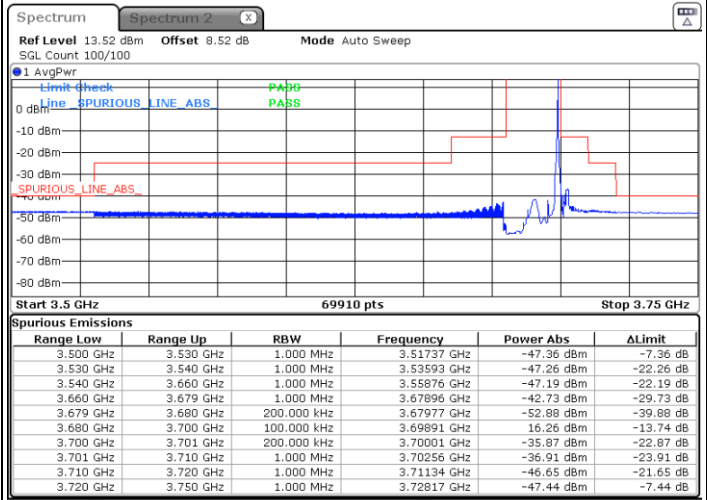
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax



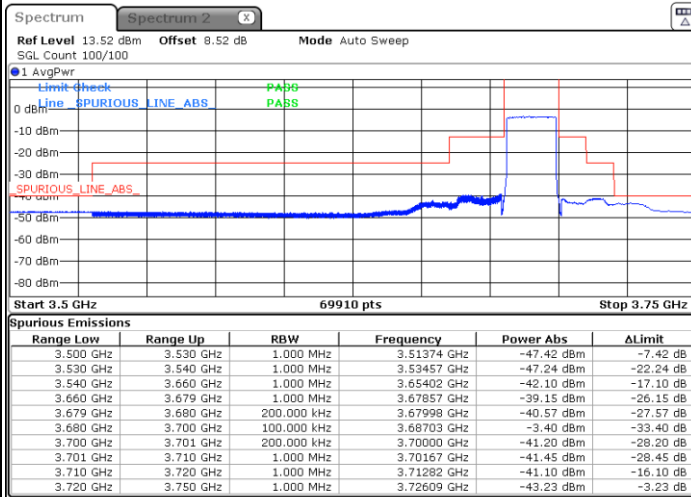
Date: 27.MAR.2024 06:50:57



Date: 27.MAR.2024 06:52:23

Highest Channel / FullIRB

N/A



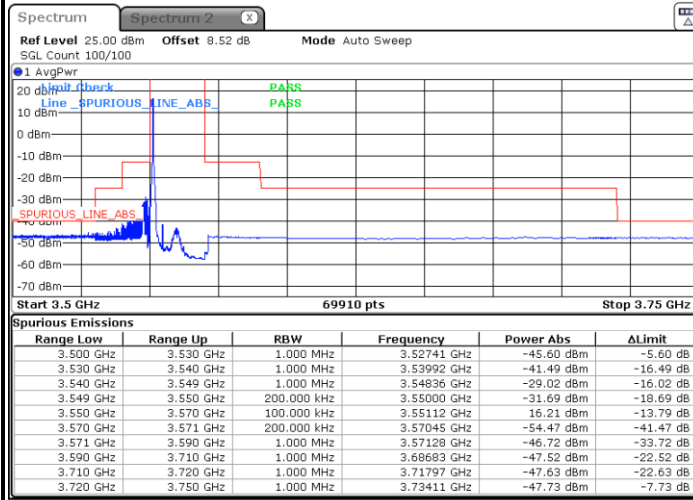
Date: 27.MAR.2024 06:39:28



LTE Band 48 / 20MHz

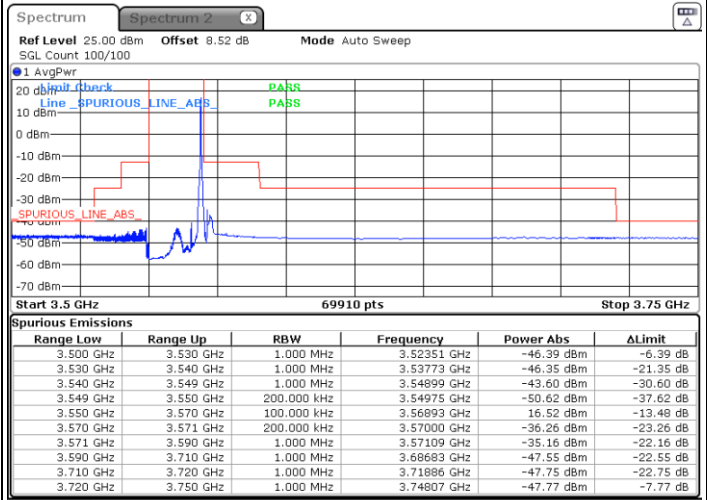
16QAM

Lowest Channel / 1RB0



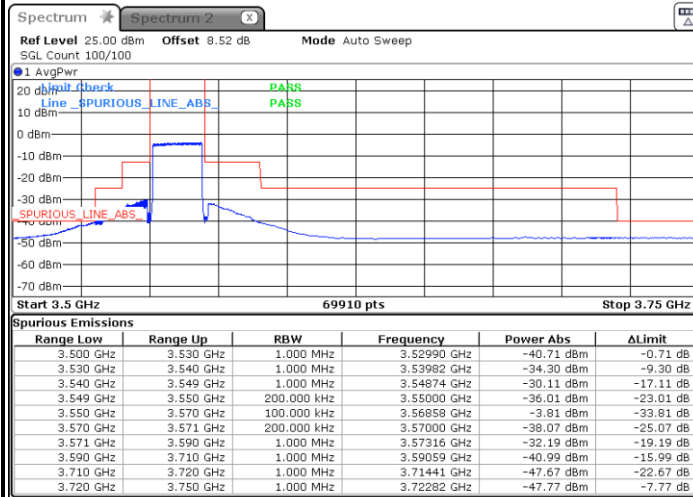
Date: 27.MAR.2024 06:08:17

Lowest Channel / 1RBmax



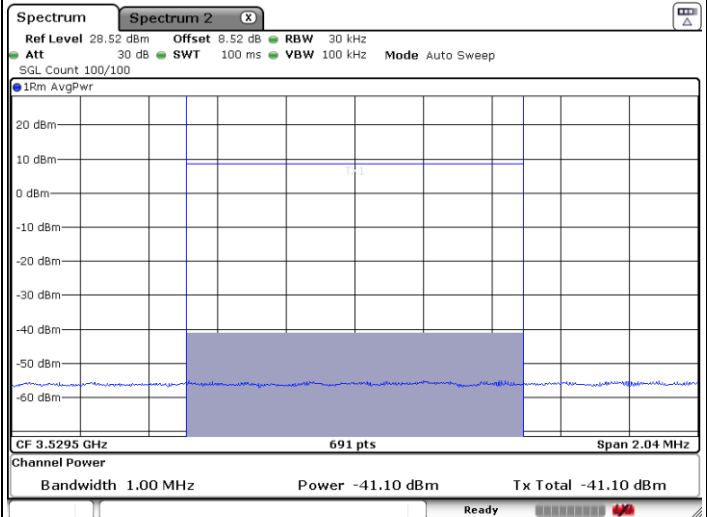
Date: 27.MAR.2024 06:16:11

Lowest Channel / FullRB



Date: 27.MAR.2024 06:00:06

Channel Power



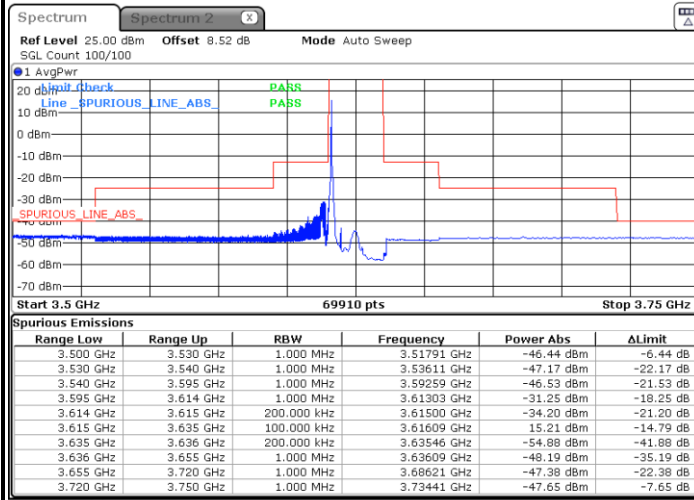
Date: 27.MAR.2024 06:58:47



LTE Band 48 / 20MHz

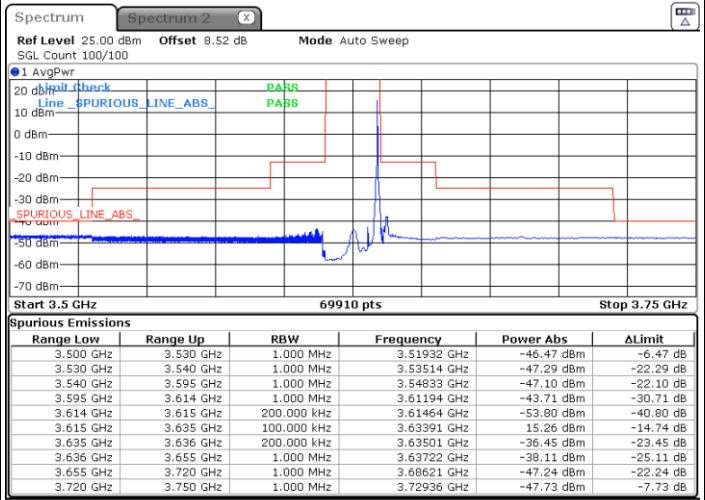
16QAM

Middle Channel / 1RB0



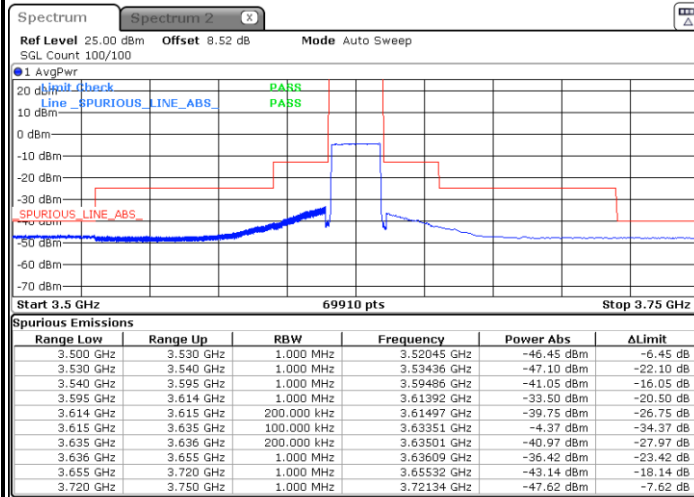
Date: 27.MAR.2024 06:29:19

Middle Channel / 1RBmax



Date: 27.MAR.2024 06:22:00

Middle Channel / Full



Date: 27.MAR.2024 06:34:57

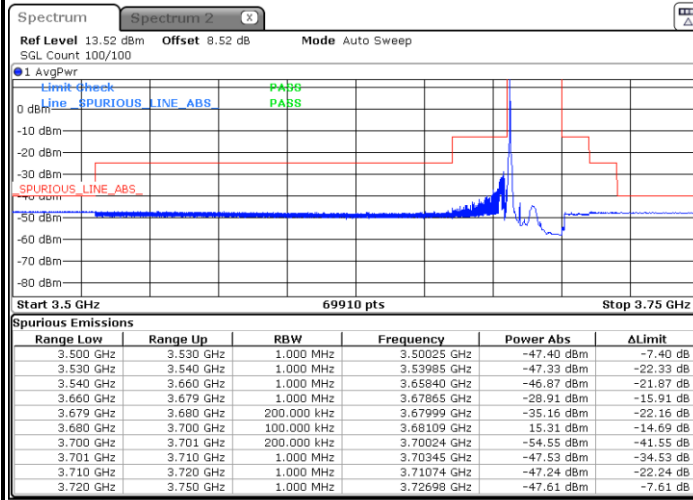
N/A



LTE Band 48 / 20MHz

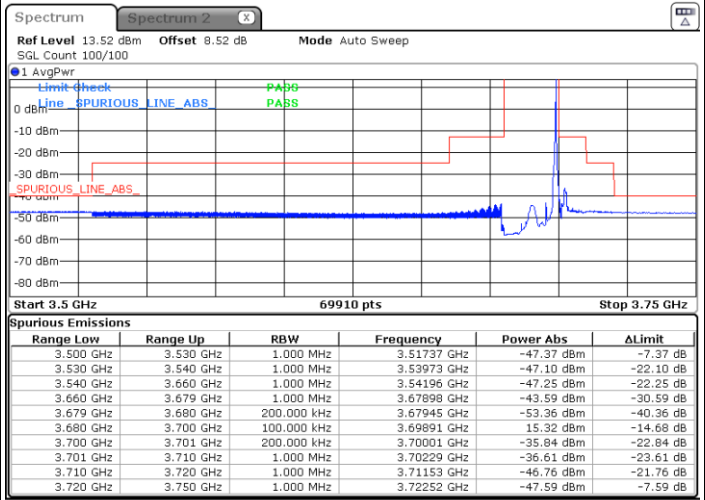
16QAM

Highest Channel / 1RB0



Date: 27.MAR.2024 06:49:36

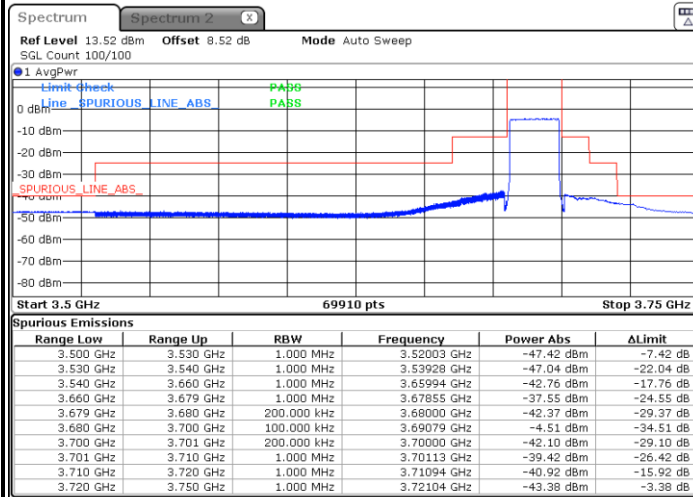
Highest Channel / 1RBmax



Date: 27.MAR.2024 06:53:50

Highest Channel / FullRB

N/A



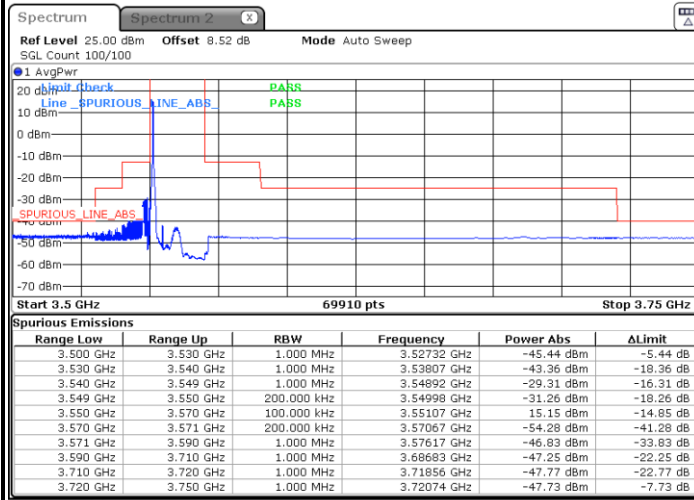
Date: 27.MAR.2024 06:41:03



LTE Band 48 / 20MHz

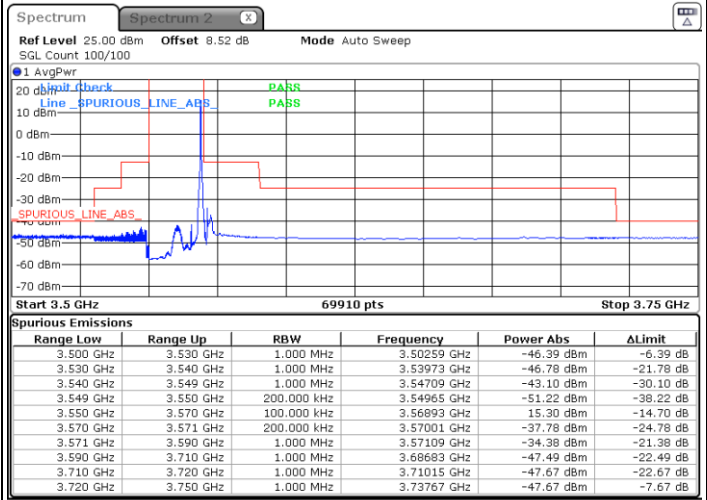
64QAM

Lowest Channel / 1RB0



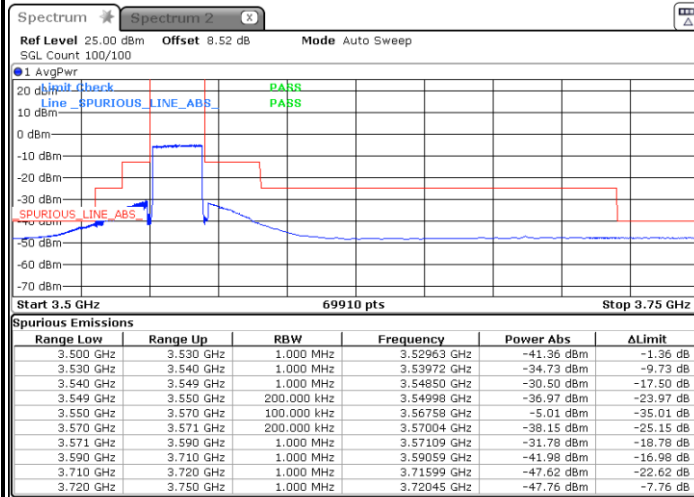
Date: 27.MAR.2024 06:09:42

Lowest Channel / 1RBmax



Date: 27.MAR.2024 06:17:21

Lowest Channel / FullRB



Date: 27.MAR.2024 06:03:30

N/A

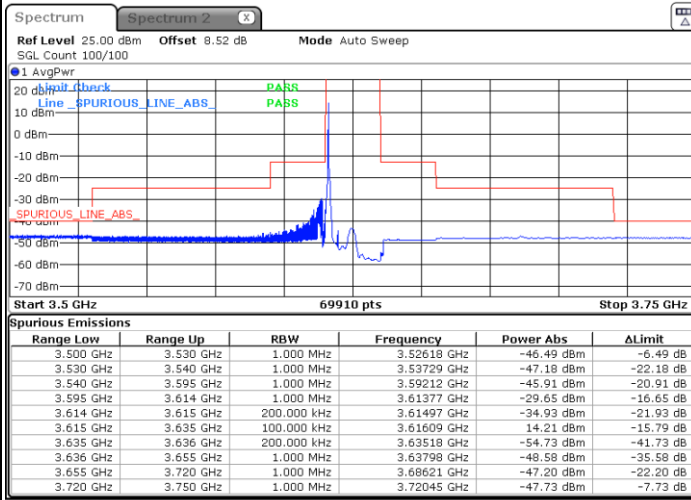


LTE Band 48 / 20MHz

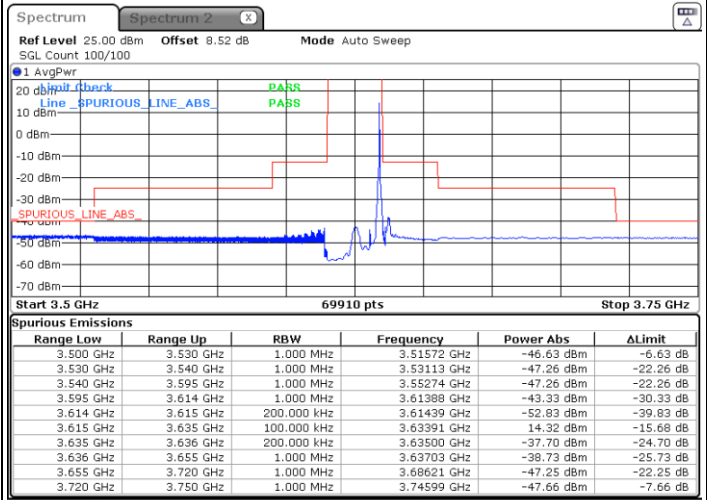
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



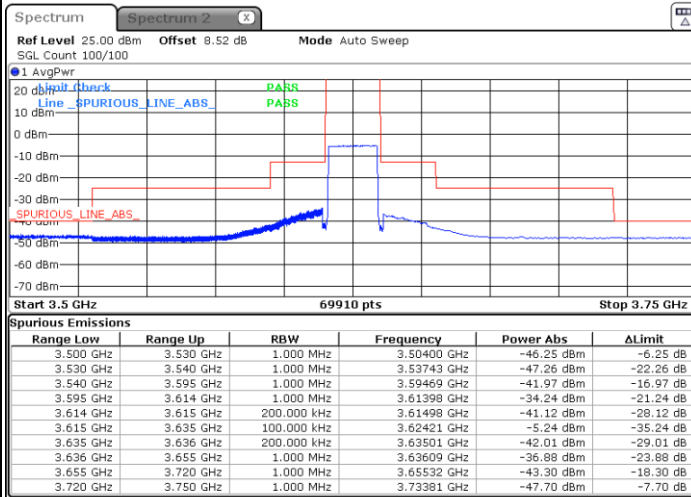
Date: 27.MAR.2024 06:28:09



Date: 27.MAR.2024 06:23:41

Middle Channel / Full

N/A



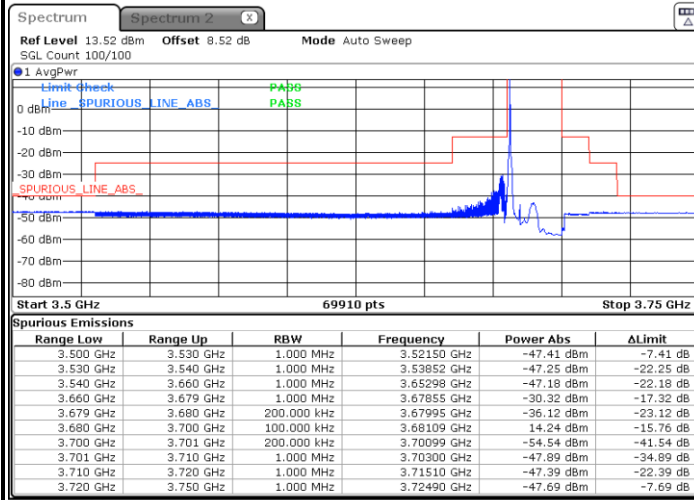
Date: 27.MAR.2024 06:36:20



LTE Band 48 / 20MHz

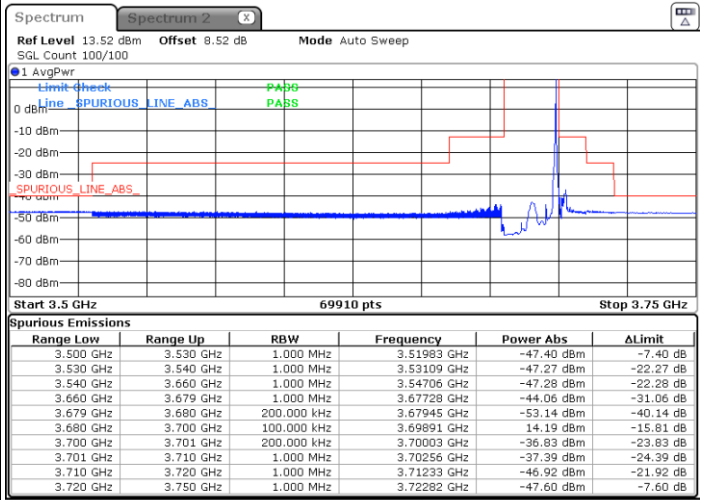
64QAM

Highest Channel / 1RB0



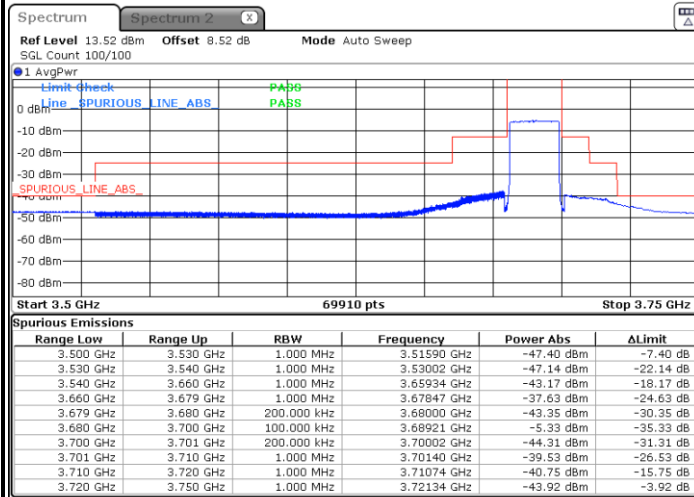
Date: 27.MAR.2024 06:47:00

Highest Channel / 1RBmax



Date: 27.MAR.2024 06:55:52

Highest Channel / FullIRB



Date: 27.MAR.2024 06:42:25

N/A

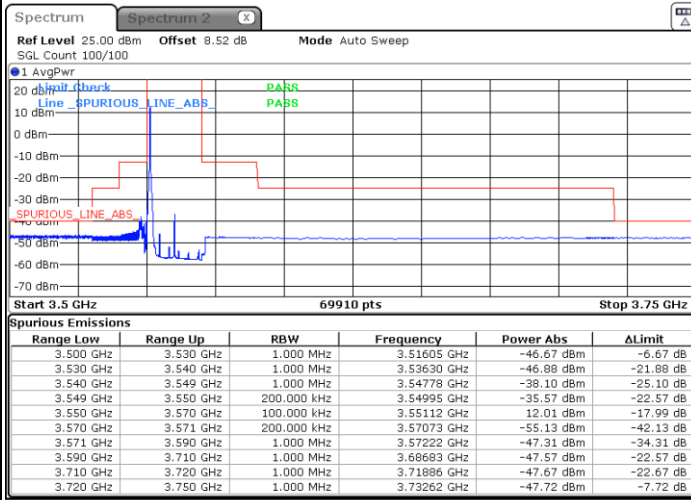


LTE Band 48 / 20MHz

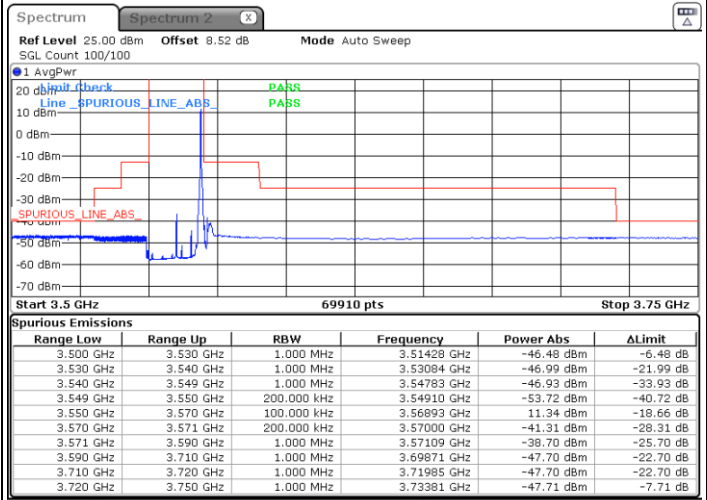
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



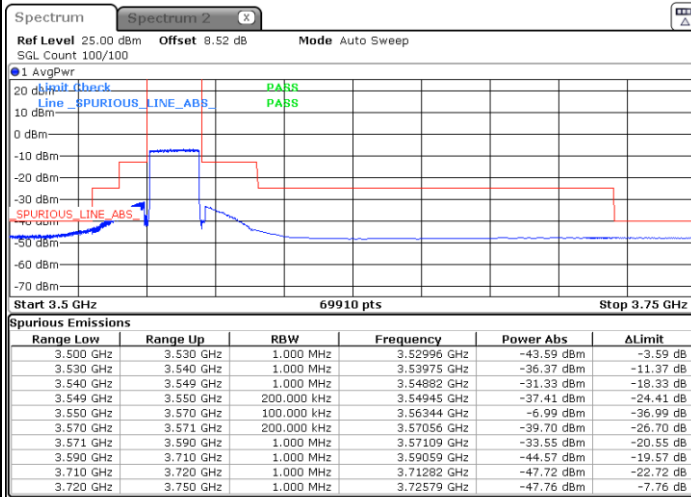
Date: 27.MAR.2024 06:11:12



Date: 27.MAR.2024 06:18:47

Lowest Channel / FullRB

N/A



Date: 27.MAR.2024 06:12:53

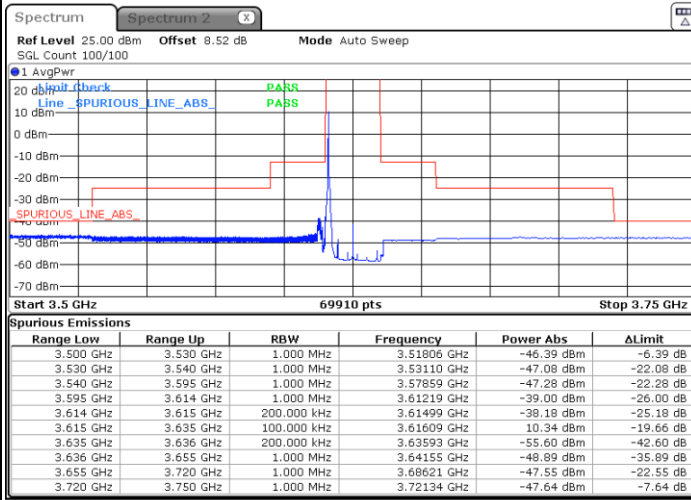


LTE Band 48 / 20MHz

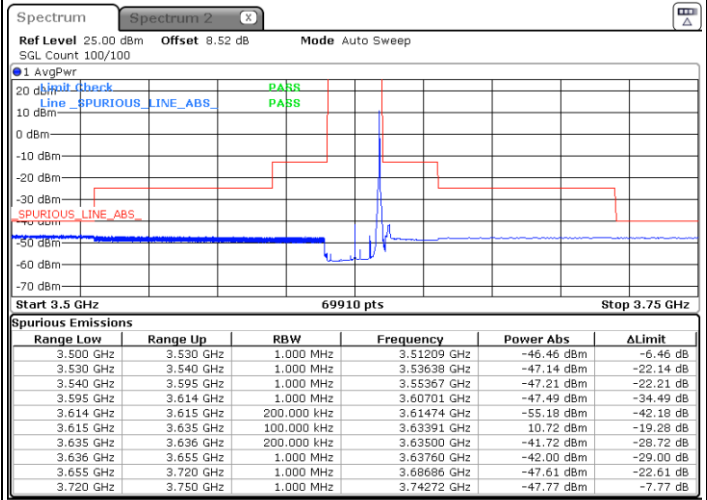
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



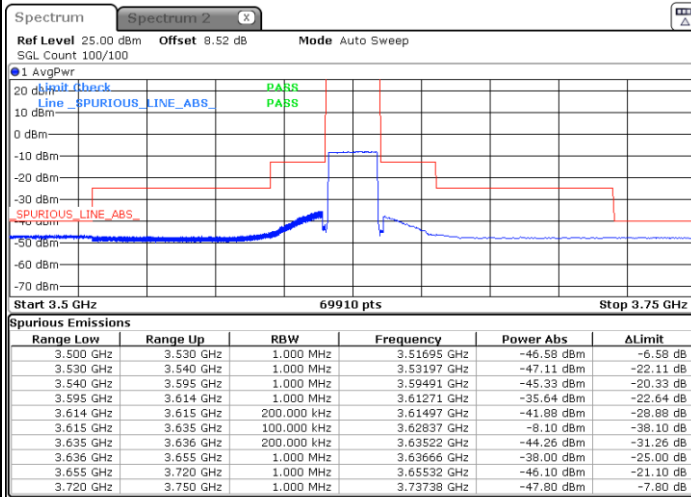
Date: 27.MAR.2024 06:26:58



Date: 27.MAR.2024 06:25:47

Middle Channel / Full

N/A



Date: 27.MAR.2024 06:37:38

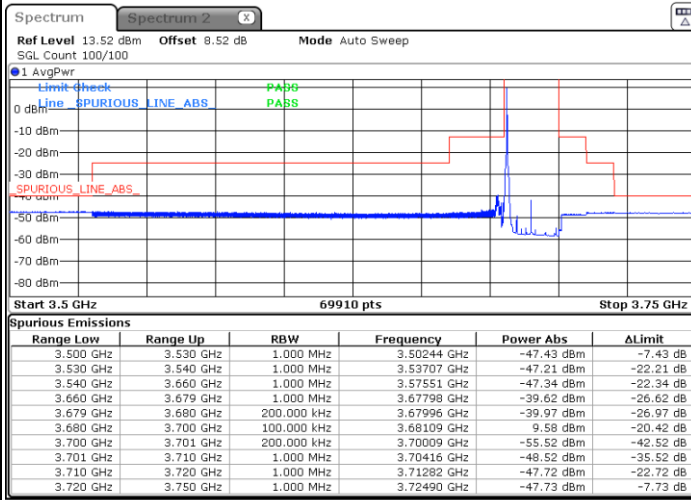


LTE Band 48 / 20MHz

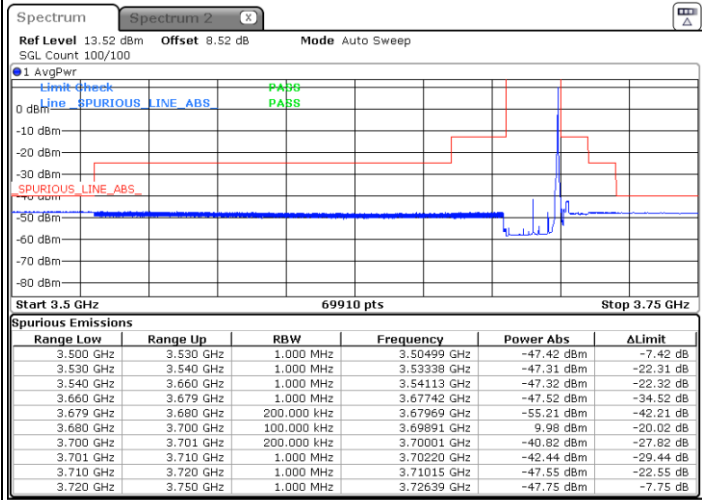
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



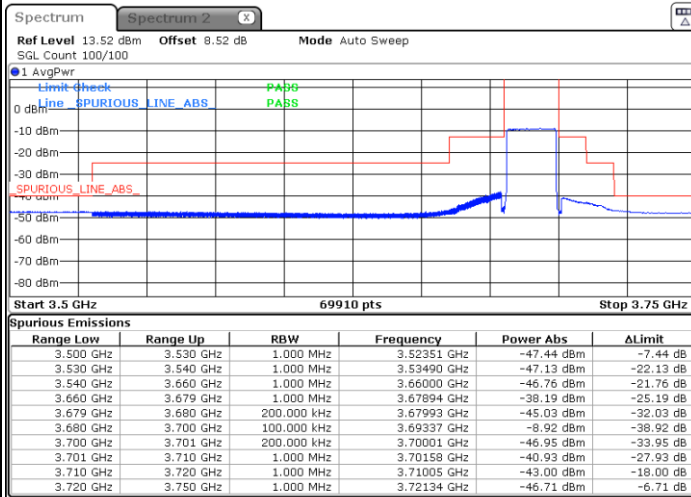
Date: 27.MAR.2024 06:45:27



Date: 27.MAR.2024 06:57:09

Highest Channel / FullIRB

N/A



Date: 27.MAR.2024 06:43:46



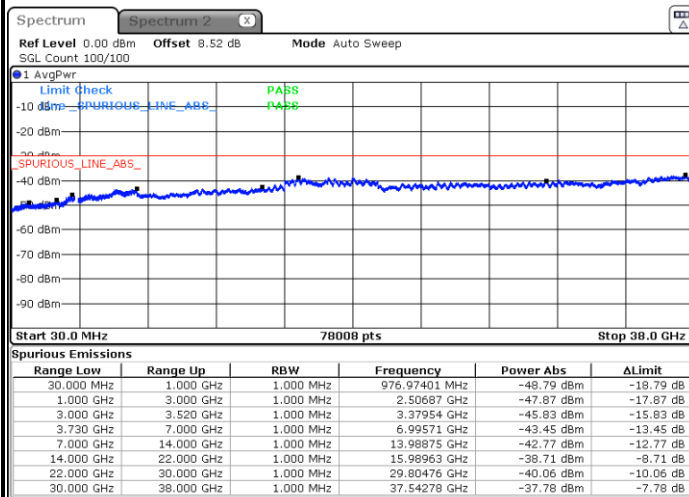
Conducted Spurious Emission

LTE Band 48 / 5MHz

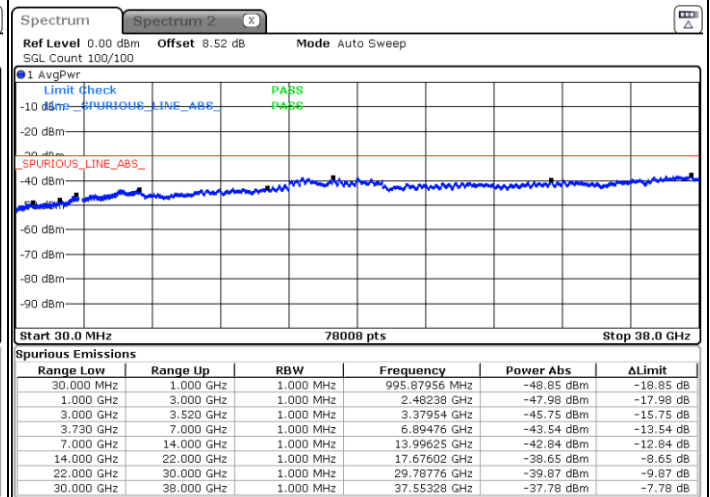
QPSK / 1RB0

Lowest Channel

Middle Channel

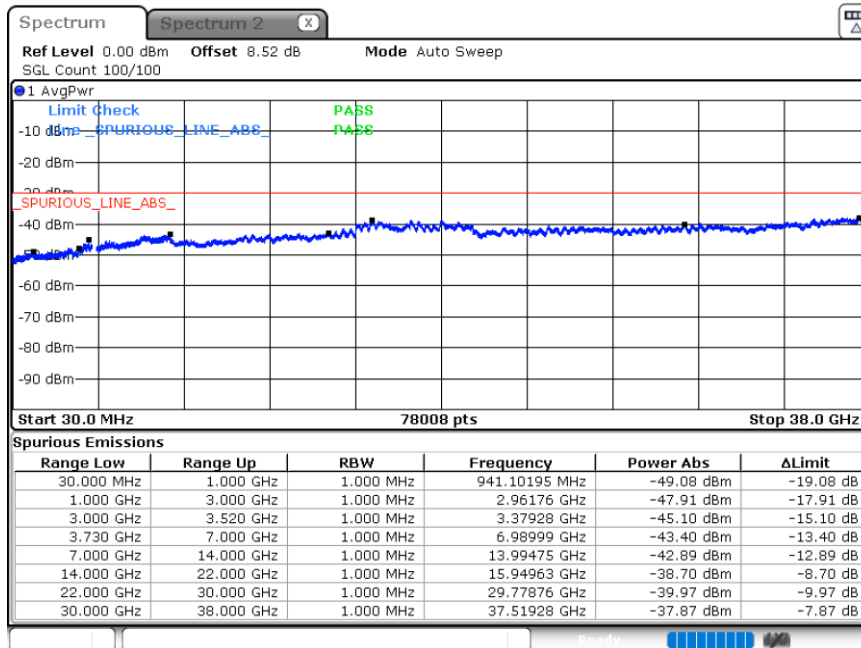


Date: 29.MAR.2024 02:45:40



Date: 29.MAR.2024 02:47:36

Highest Channel

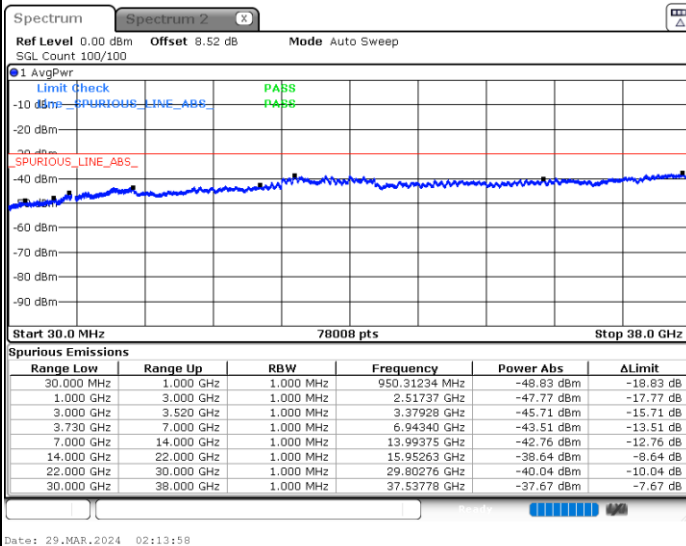


Date: 29.MAR.2024 02:50:28

LTE Band 48 / 10MHz

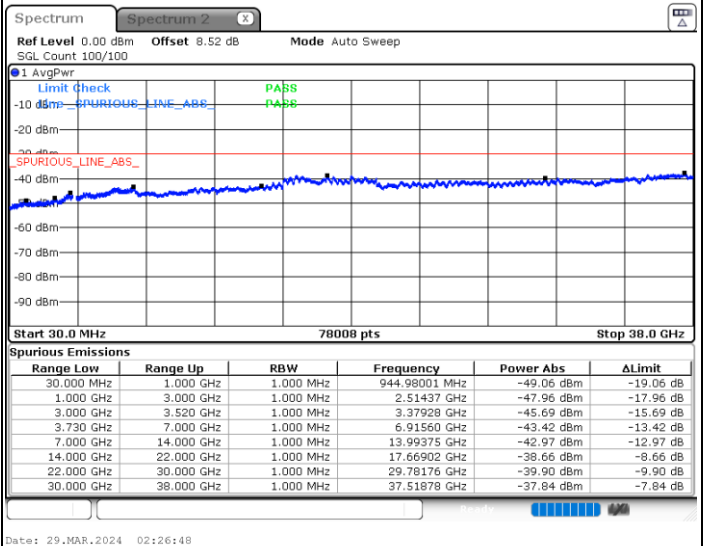
QPSK / 1RB0

Lowest Channel



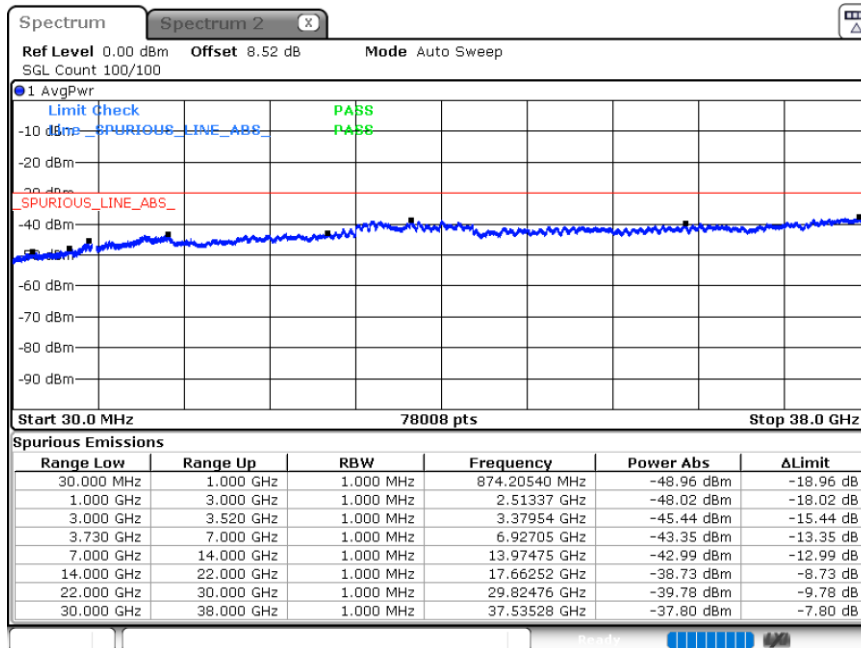
Date: 29.MAR.2024 02:13:58

Middle Channel



Date: 29.MAR.2024 02:26:48

Highest Channel



Date: 29.MAR.2024 02:28:38

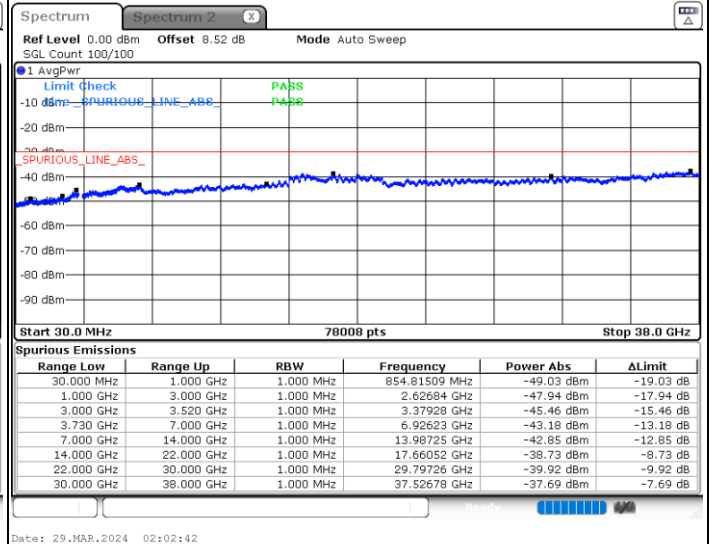
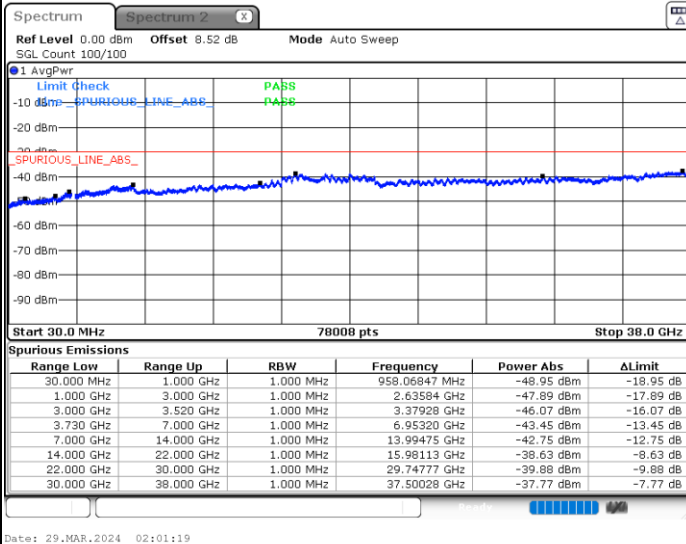


LTE Band 48 / 15MHz

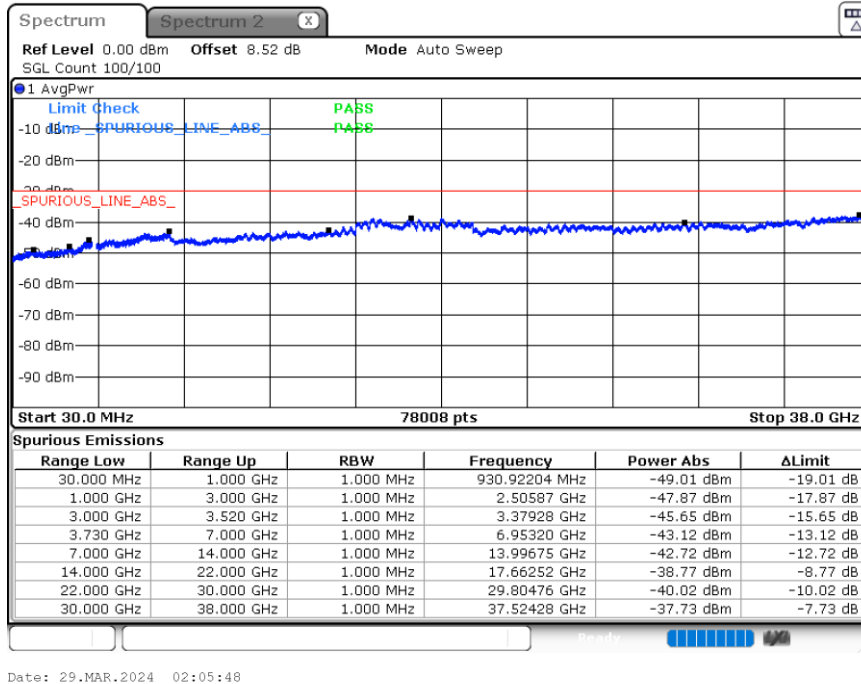
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



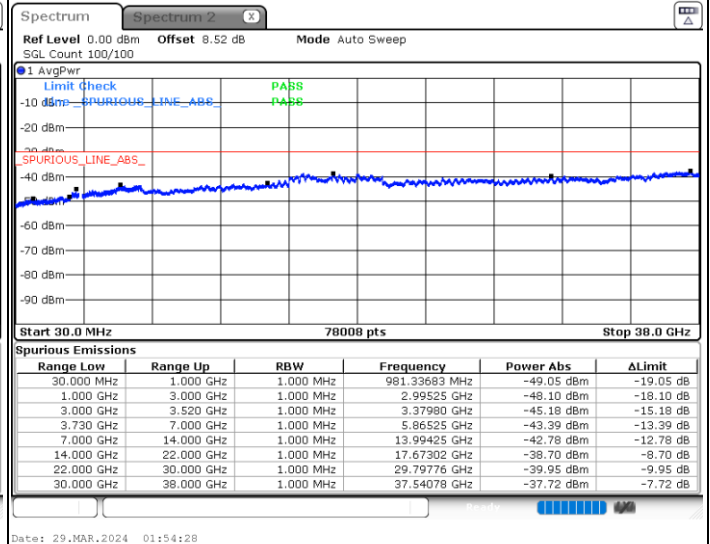
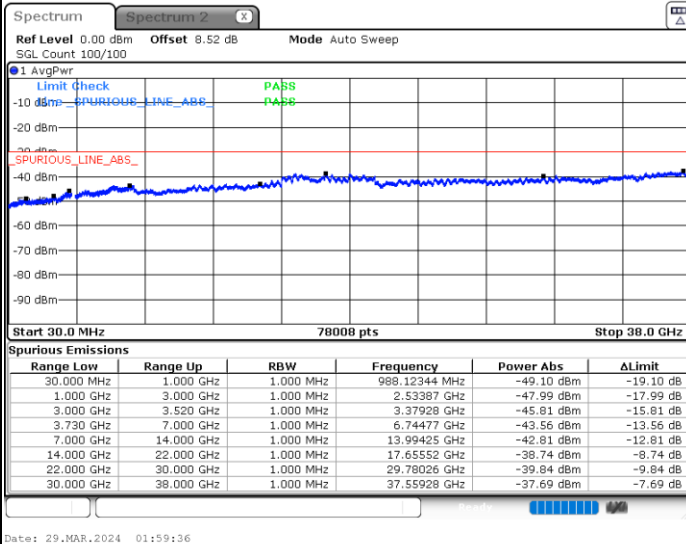


LTE Band 48 / 20MHz

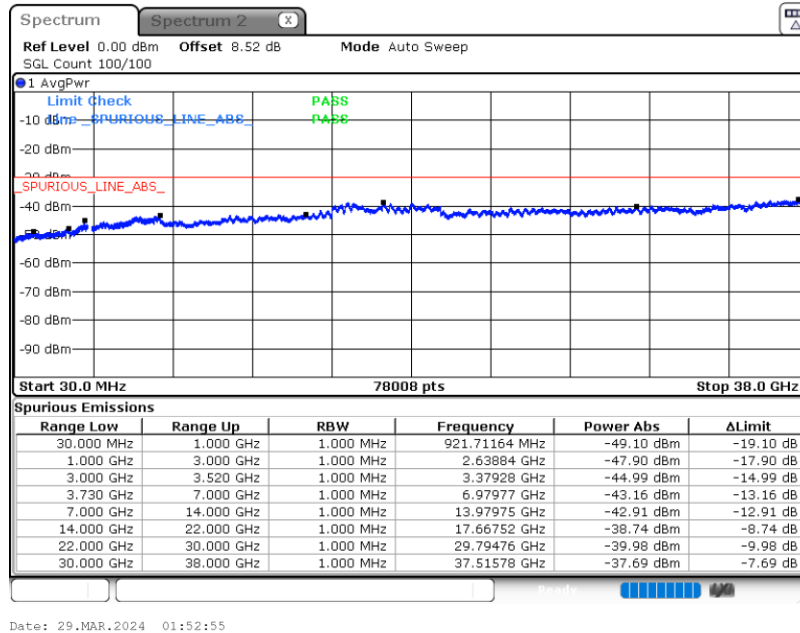
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0068	PASS
40	Normal Voltage	0.0051	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0069	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0056	
20	Maximum Voltage	0.0077	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0037	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carl Ni	Temperature :	22~25°C
		Relative Humidity :	41~42%

LTE Band 48 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7099	-54.17	-40	-14.17	-65.63	2.84	14.30	H
	10652	-59.93	-40	-19.93	-69.87	3.49	13.43	H
	14205	-59.72	-40	-19.72	-69.96	3.85	14.09	H
	17758	-58.40	-40	-18.40	-68.78	3.97	14.35	H
	7099	-45.16	-40	-5.16	-56.62	2.84	14.30	V
	10652	-60.07	-40	-20.07	-70.01	3.49	13.43	V
	14205	-58.50	-40	-18.50	-68.74	3.85	14.09	V
	17758	-51.87	-40	-11.87	-62.25	3.97	14.35	V
Middle	7231	-56.77	-40	-16.77	-68.23	2.84	14.30	H
	10850	-59.98	-40	-19.98	-69.92	3.49	13.43	H
	14469	-59.67	-40	-19.67	-69.91	3.85	14.09	H
	7231	-47.67	-40	-7.67	-59.13	2.84	14.30	V
	10850	-60.66	-40	-20.66	-70.60	3.49	13.43	V
	14469	-56.55	-40	-16.55	-66.79	3.85	14.09	V
Highest	7363	-53.99	-40	-13.99	-65.45	2.84	14.30	H
	11048	-59.77	-40	-19.77	-69.71	3.49	13.43	H
	14722	-60.35	-40	-20.35	-70.59	3.85	14.09	H
	7363	-44.87	-40	-4.87	-56.33	2.84	14.30	V
	11048	-58.98	-40	-18.98	-68.92	3.49	13.43	V
	14722	-49.18	-40	-9.18	-59.42	3.85	14.09	V



ENDC_48A-n25A/ LTE20MHz+NR40MHz / QPSK – other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7099	-55.08	-40	-15.08	-66.54	2.84	14.30	H
	10652	-60.18	-40	-20.18	-70.12	3.49	13.43	H
	14205	-60.15	-40	-20.15	-70.39	3.85	14.09	H
	7099	-48.77	-40	-8.77	-60.23	2.84	14.30	V
	10652	-60.34	-40	-20.34	-70.28	3.49	13.43	V
	14205	-59.91	-40	-19.91	-70.15	3.85	14.09	V
Middle	7231	-59.21	-40	-19.21	-70.67	2.84	14.30	H
	10850	-60.33	-40	-20.33	-70.27	3.49	13.43	H
	14469	-59.96	-40	-19.96	-70.20	3.85	14.09	H
	7231	-51.19	-40	-11.19	-62.65	2.84	14.30	V
	10850	-60.59	-40	-20.59	-70.53	3.49	13.43	V
	14469	-58.53	-40	-18.53	-68.77	3.85	14.09	V
Highest	7363	-53.38	-40	-13.38	-64.84	2.84	14.30	H
	11048	-60.06	-40	-20.06	-70.00	3.49	13.43	H
	14722	-60.13	-40	-20.13	-70.37	3.85	14.09	H
	7363	-47.87	-40	-7.87	-59.33	2.84	14.30	V
	11048	-59.98	-40	-19.98	-69.92	3.49	13.43	V
	14722	-54.09	-40	-14.09	-64.33	3.85	14.09	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.