

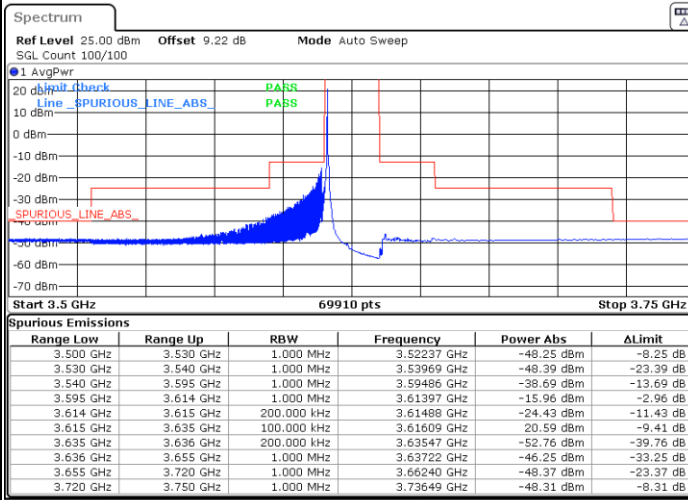


LTE Band 48 / 20MHz

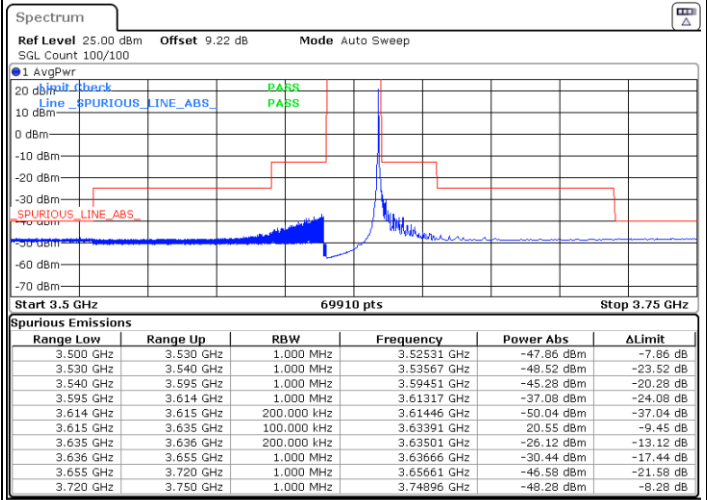
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax



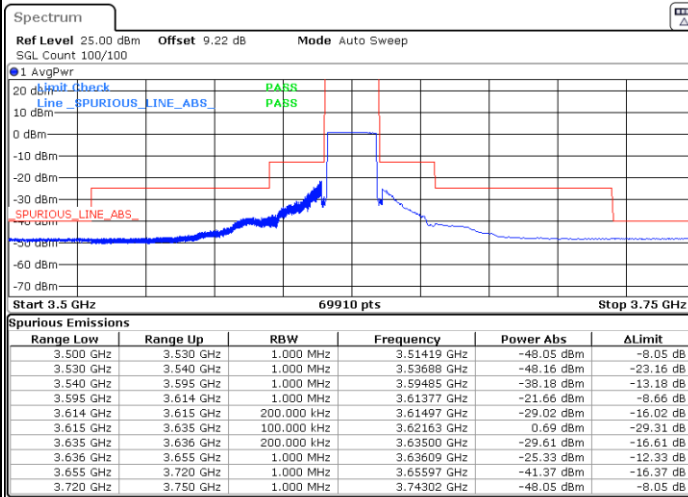
Date: 5.MAR.2024 02:52:50



Date: 5.MAR.2024 02:58:46

Middle Channel / Full

N/A



Date: 5.MAR.2024 03:04:40

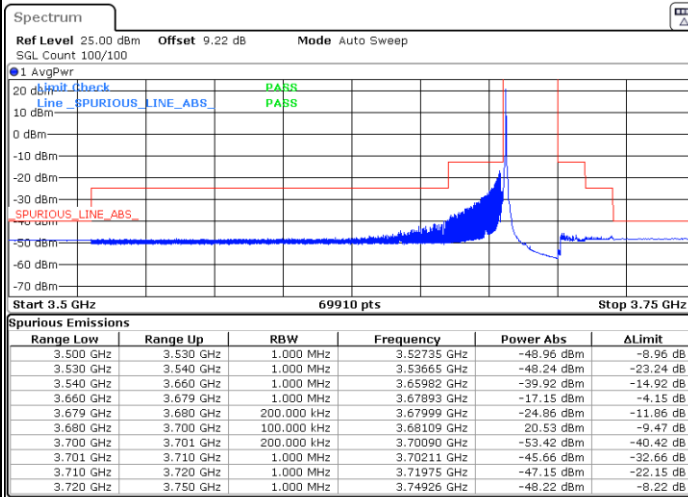


LTE Band 48 / 20MHz

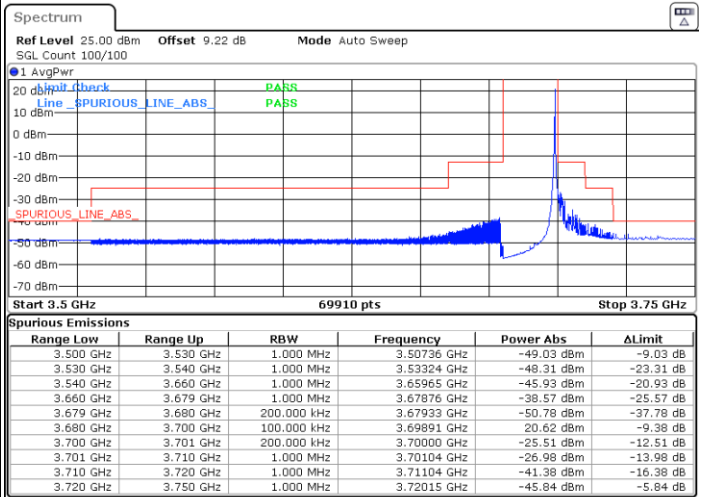
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax



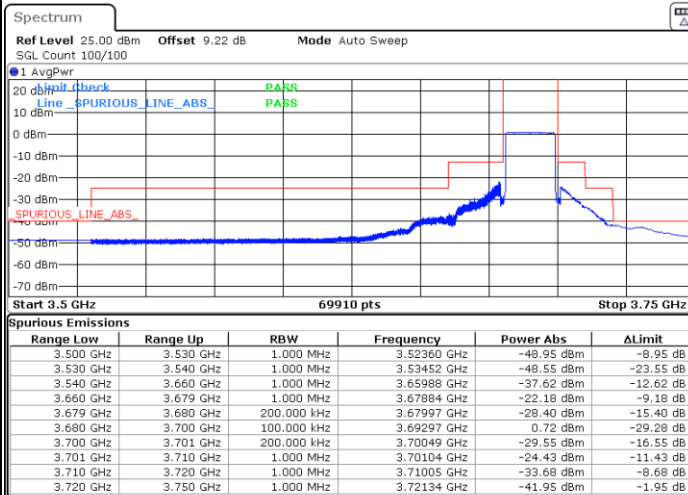
Date: 5.MAR.2024 03:23:34



Date: 5.MAR.2024 03:30:06

Highest Channel / FullIRB

N/A



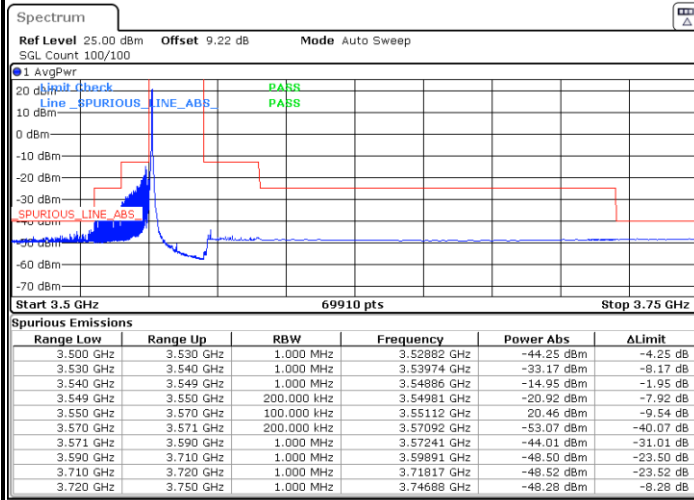
Date: 5.MAR.2024 03:36:39



LTE Band 48 / 20MHz

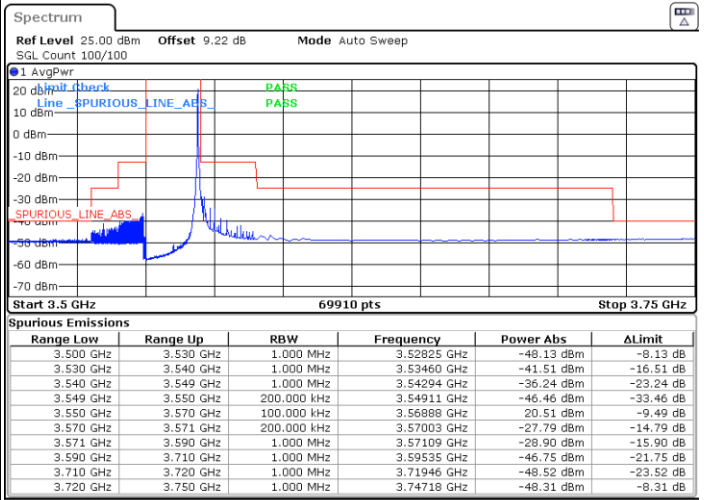
16QAM

Lowest Channel / 1RB0



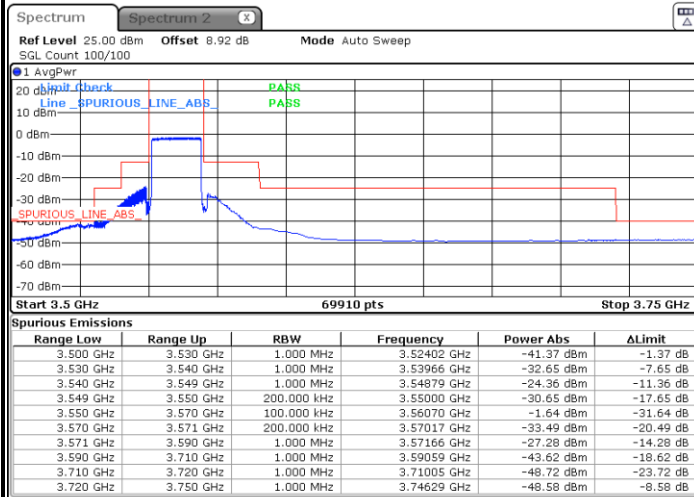
Date: 5.MAR.2024 02:36:24

Lowest Channel / 1RBmax



Date: 5.MAR.2024 02:42:24

Lowest Channel / FullRB



Date: 5.MAR.2024 23:51:17

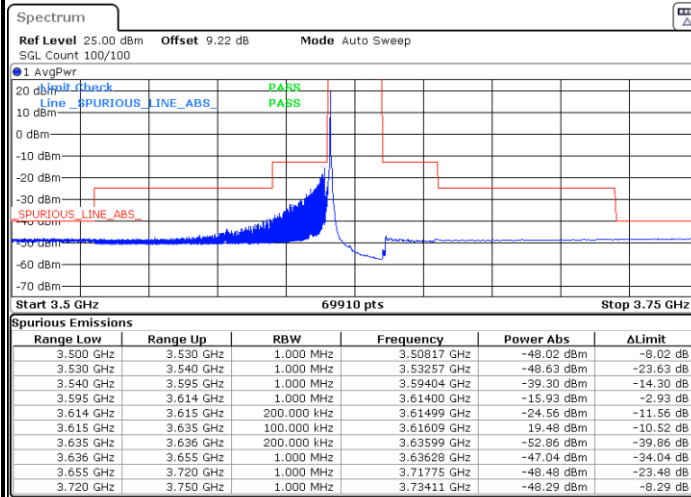
N/A



LTE Band 48 / 20MHz

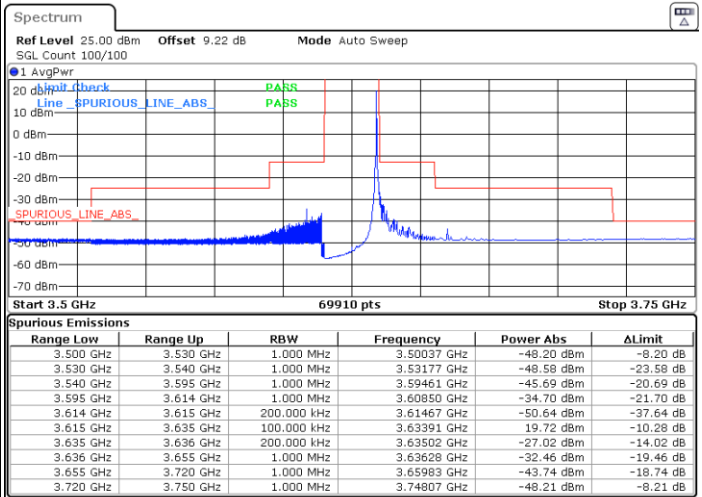
16QAM

Middle Channel / 1RB0



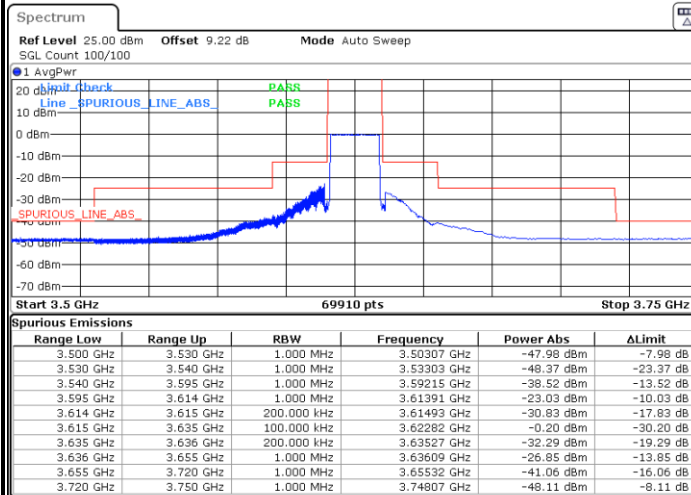
Date: 5.MAR.2024 02:54:19

Middle Channel / 1RBmax



Date: 5.MAR.2024 03:00:15

Middle Channel / Full



Date: 5.MAR.2024 03:06:09

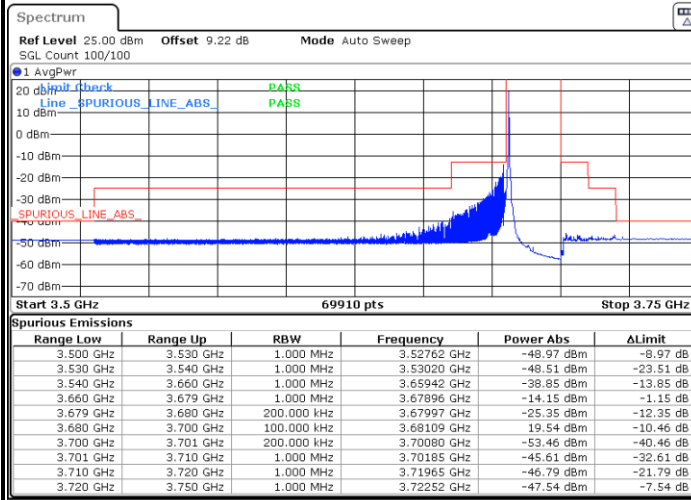
N/A



LTE Band 48 / 20MHz

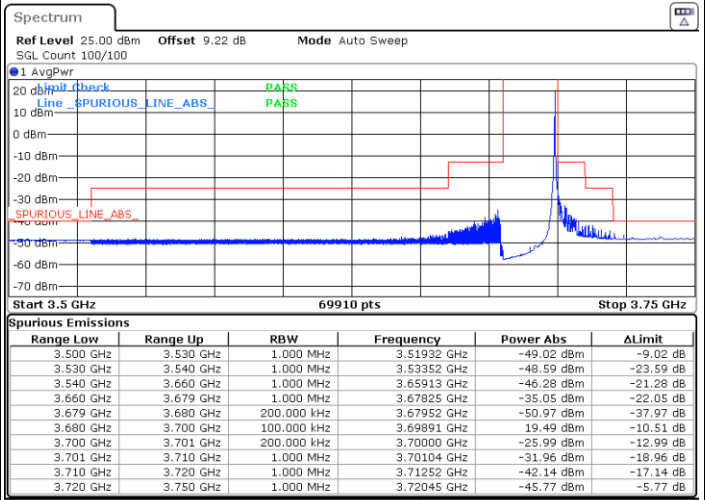
16QAM

Highest Channel / 1RB0



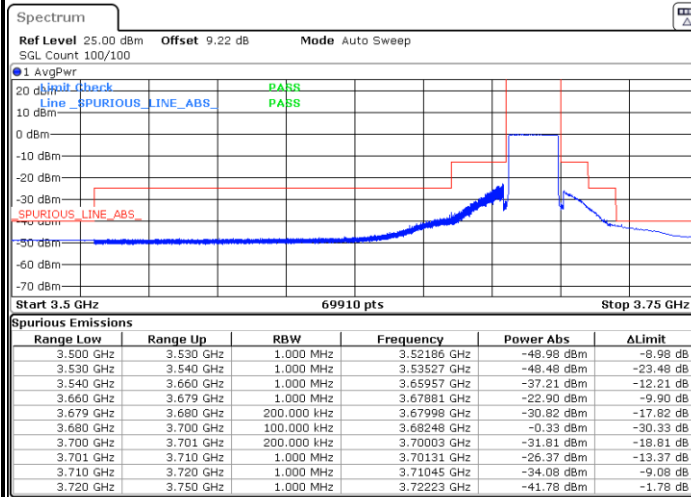
Date: 5.MAR.2024 03:25:11

Highest Channel / 1RBmax



Date: 5.MAR.2024 03:31:44

Highest Channel / FullIRB



Date: 5.MAR.2024 03:38:16

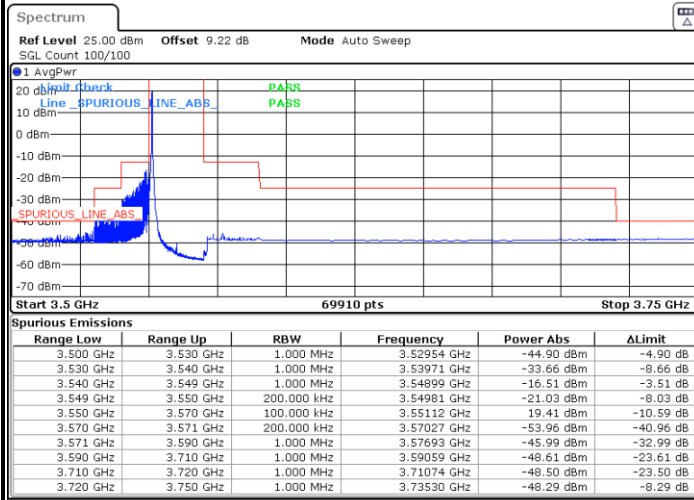
N/A



LTE Band 48 / 20MHz

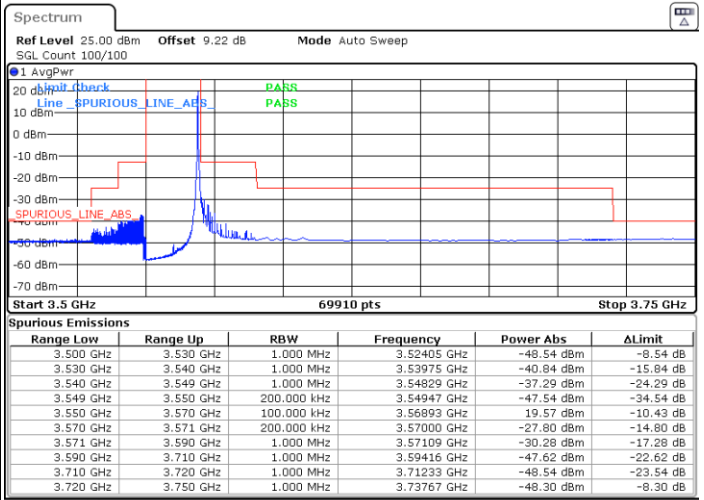
64QAM

Lowest Channel / 1RB0



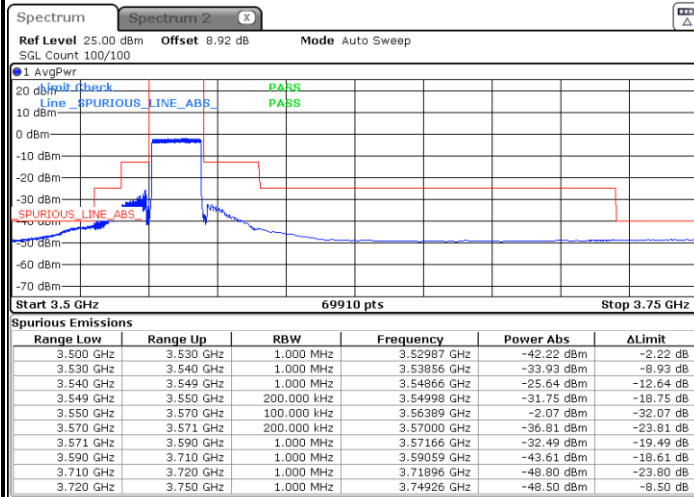
Date: 5.MAR.2024 02:37:54

Lowest Channel / 1RBmax



Date: 5.MAR.2024 02:43:52

Lowest Channel / FullRB



Date: 5.MAR.2024 23:52:54

N/A

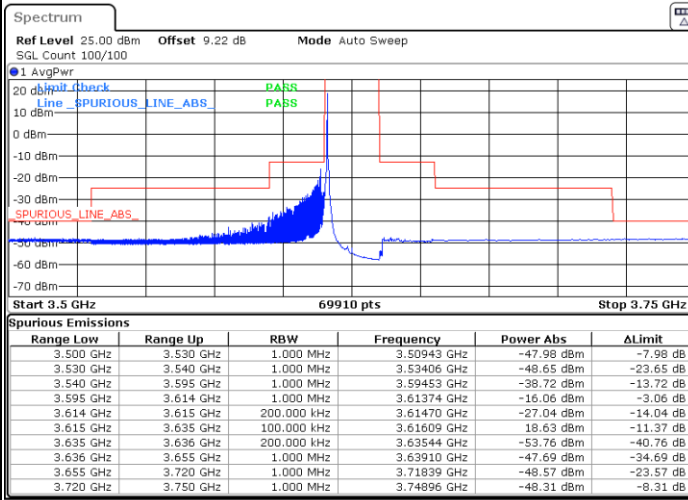


LTE Band 48 / 20MHz

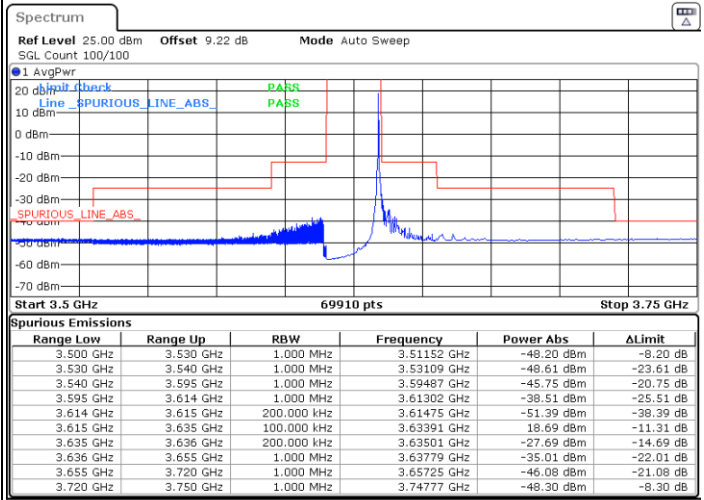
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



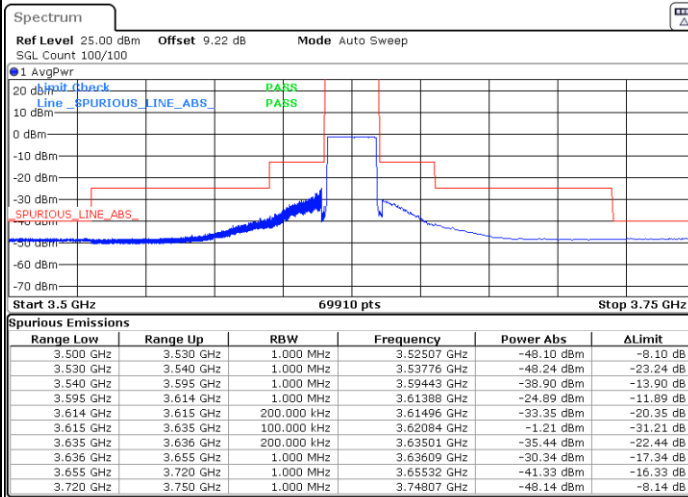
Date: 5.MAR.2024 02:55:48



Date: 5.MAR.2024 03:01:43

Middle Channel / Full

N/A



Date: 5.MAR.2024 03:07:38

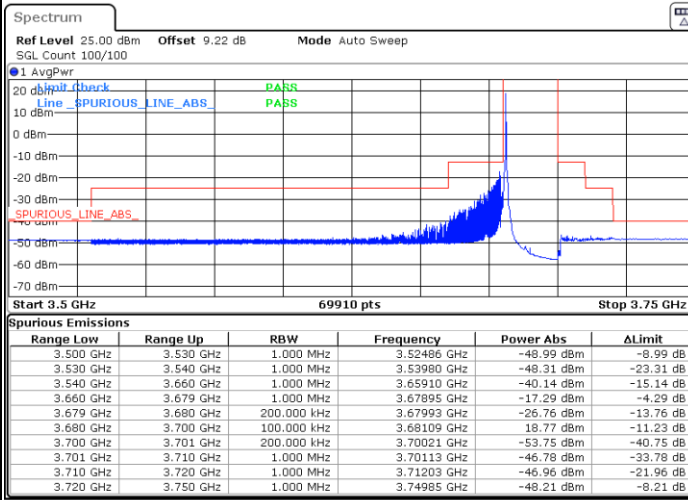


LTE Band 48 / 20MHz

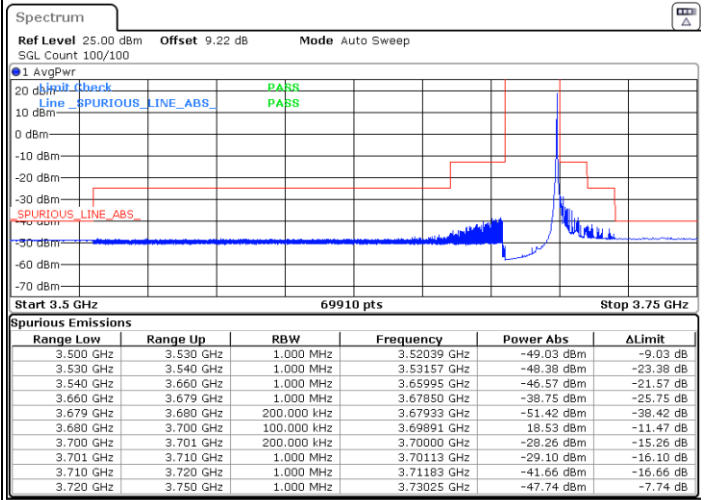
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



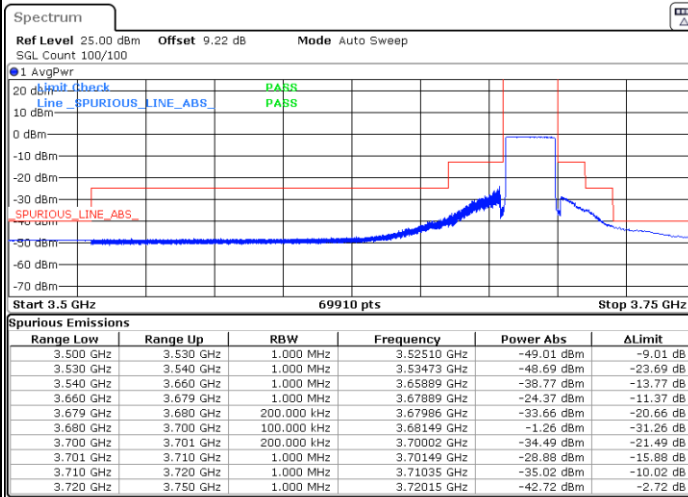
Date: 5.MAR.2024 03:26:49



Date: 5.MAR.2024 03:33:21

Highest Channel / FullRB

N/A



Date: 5.MAR.2024 03:39:53

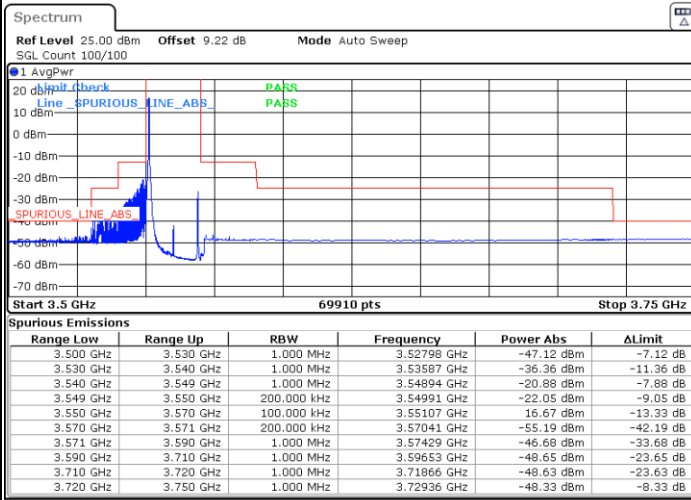


LTE Band 48 / 20MHz

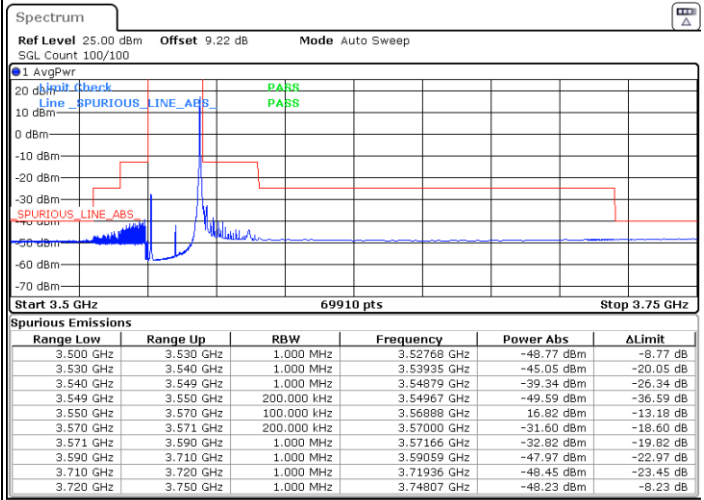
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



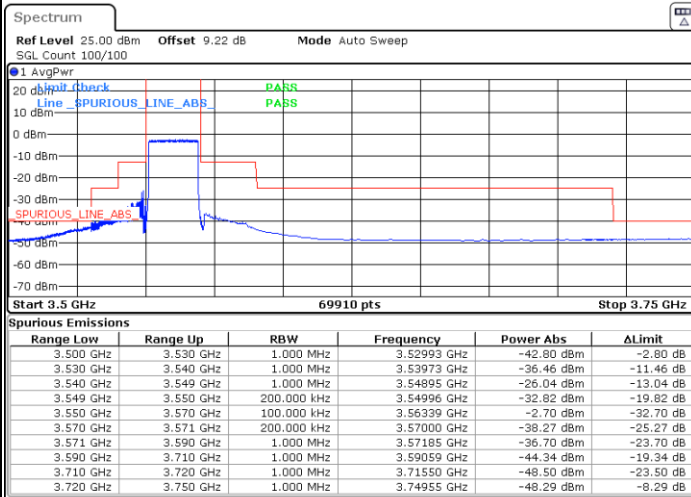
Date: 5.MAR.2024 02:39:22



Date: 5.MAR.2024 02:45:22

Lowest Channel / FullRB

N/A



Date: 5.MAR.2024 02:51:22

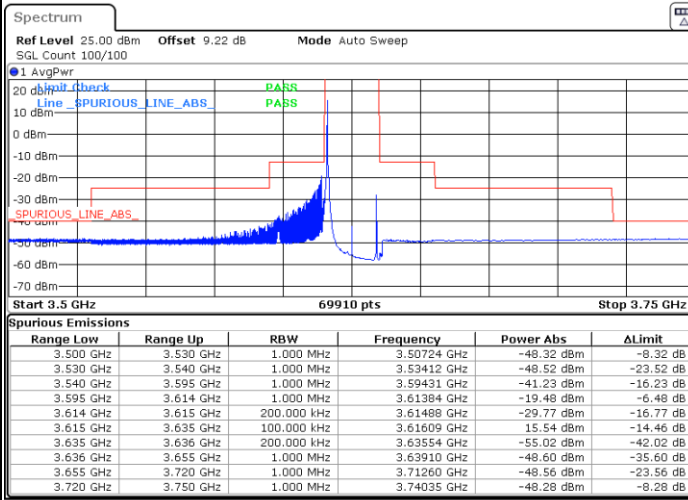


LTE Band 48 / 20MHz

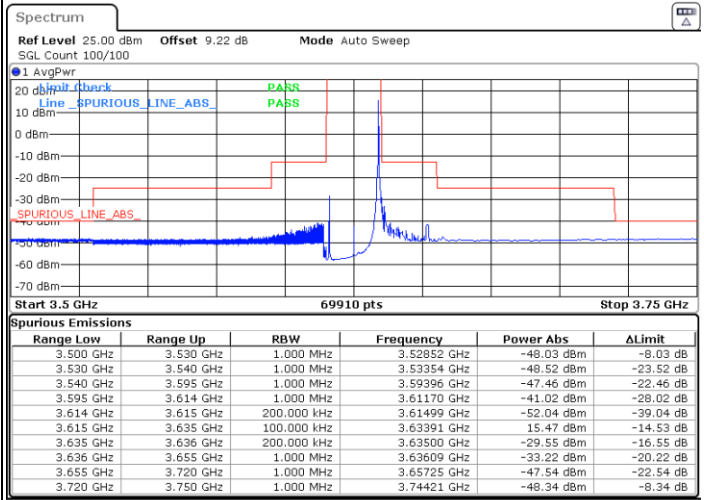
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



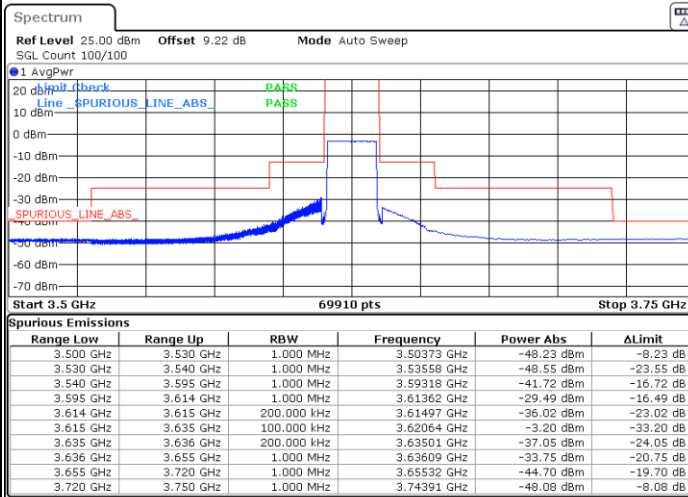
Date: 5.MAR.2024 02:57:17



Date: 5.MAR.2024 03:03:11

Middle Channel / Full

N/A



Date: 5.MAR.2024 03:09:07

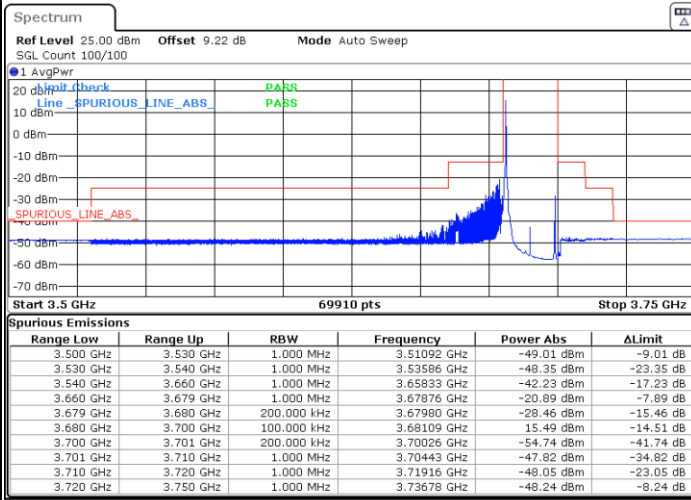


LTE Band 48 / 20MHz

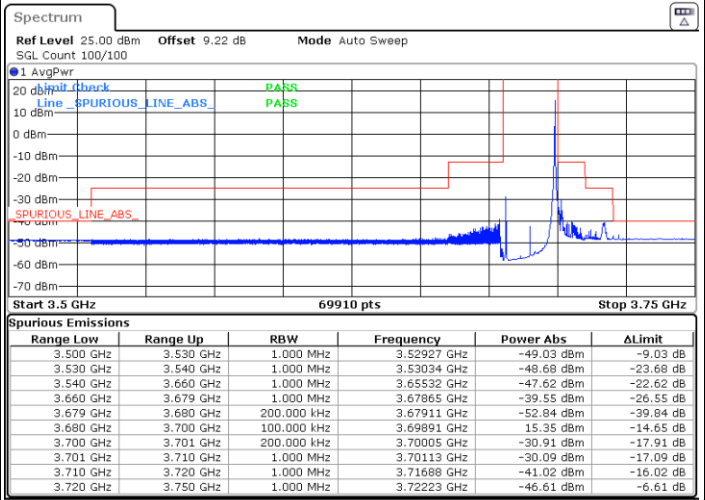
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



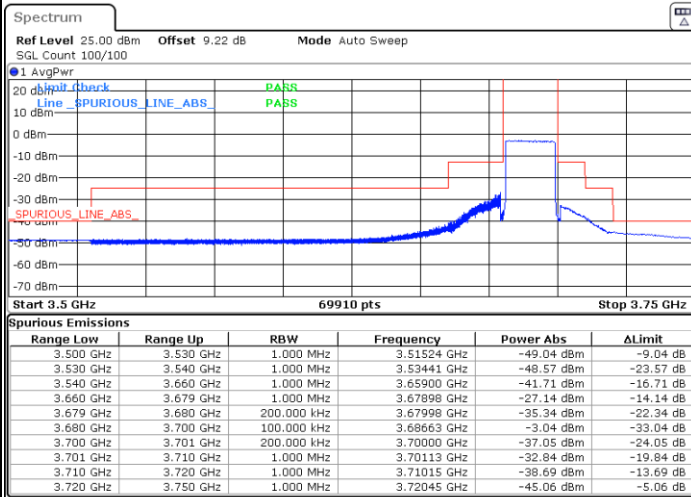
Date: 5.MAR.2024 03:28:26



Date: 5.MAR.2024 03:34:59

Highest Channel / FullIRB

N/A



Date: 5.MAR.2024 03:41:31



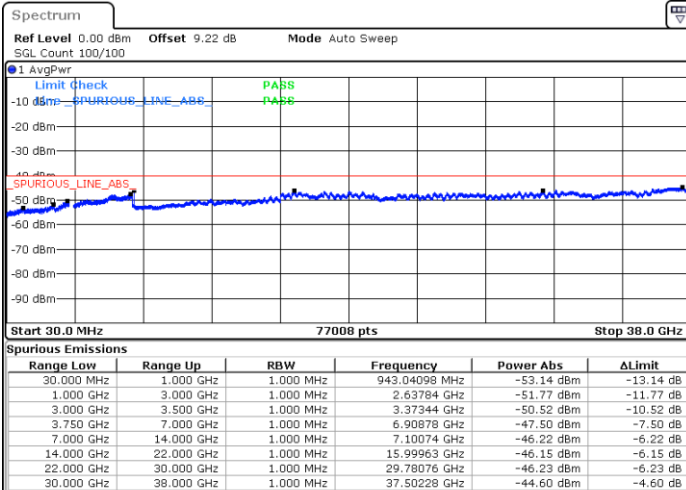
Conducted Spurious Emission

LTE Band 48 / 5MHz

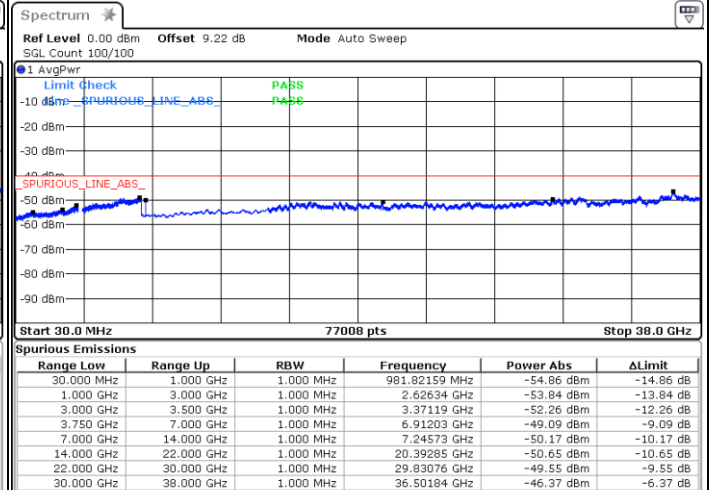
QPSK / 1RB0

Lowest Channel

Middle Channel

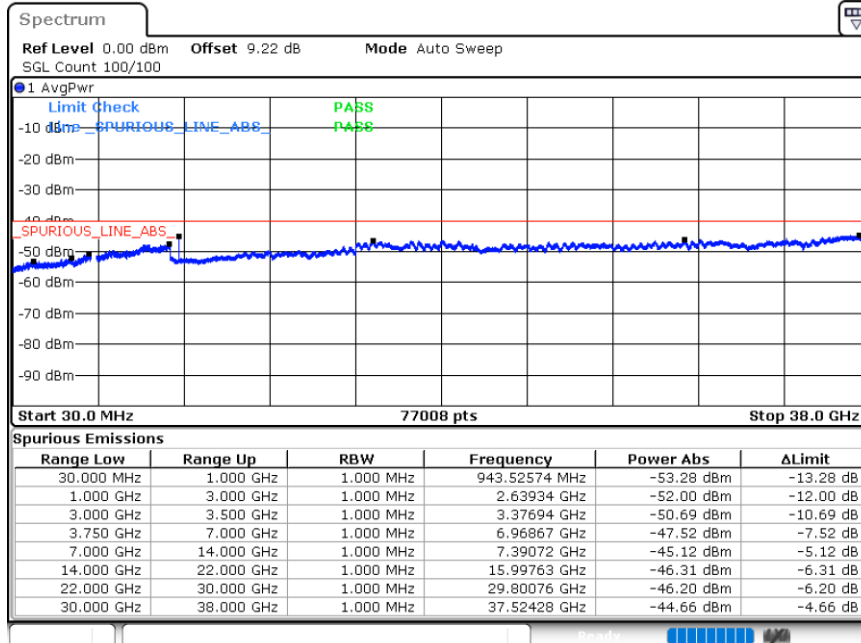


Date: 14.MAR.2024 10:15:16



Date: 14.MAR.2024 10:15:22

Highest Channel



Date: 14.MAR.2024 10:17:33

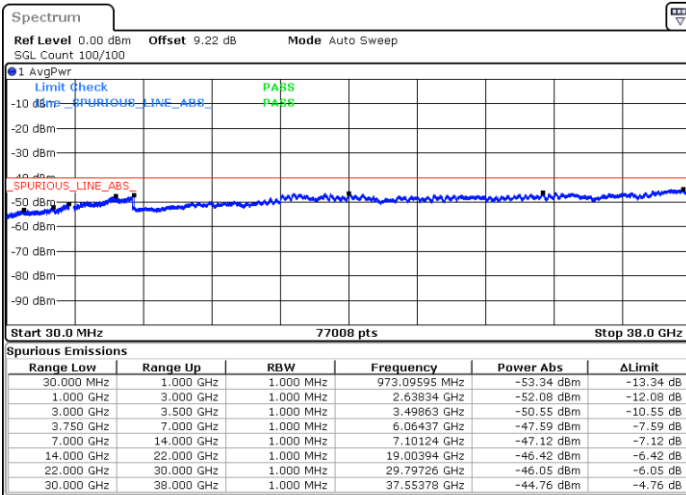


LTE Band 48 / 10MHz

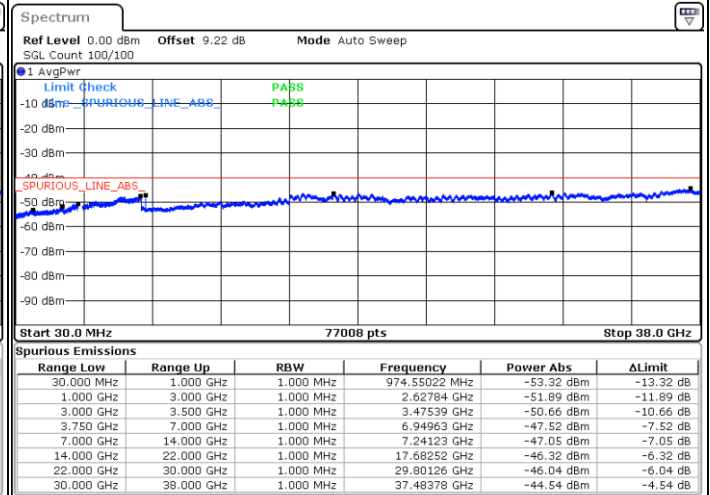
QPSK / 1RB0

Lowest Channel

Middle Channel

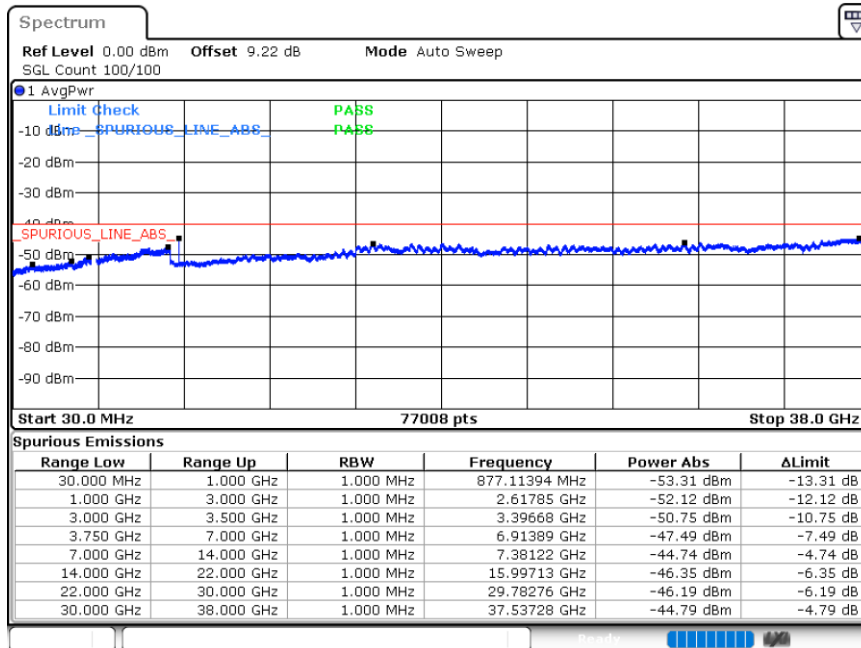


Date: 14.MAR.2024 10:20:12



Date: 14.MAR.2024 10:23:18

Highest Channel



Date: 14.MAR.2024 10:25:40

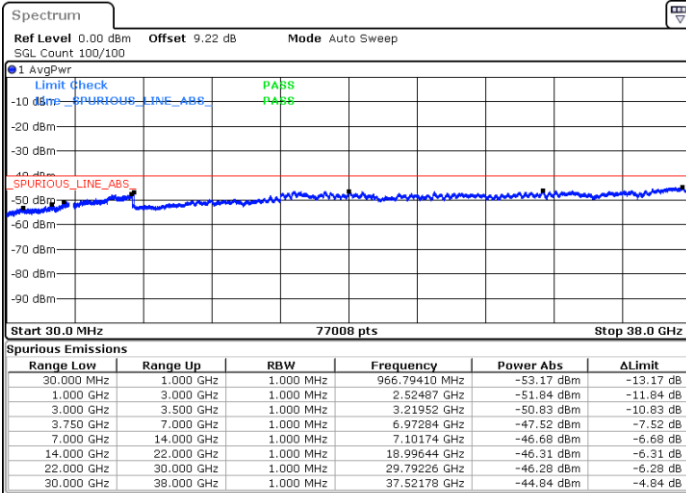


LTE Band 48 / 15MHz

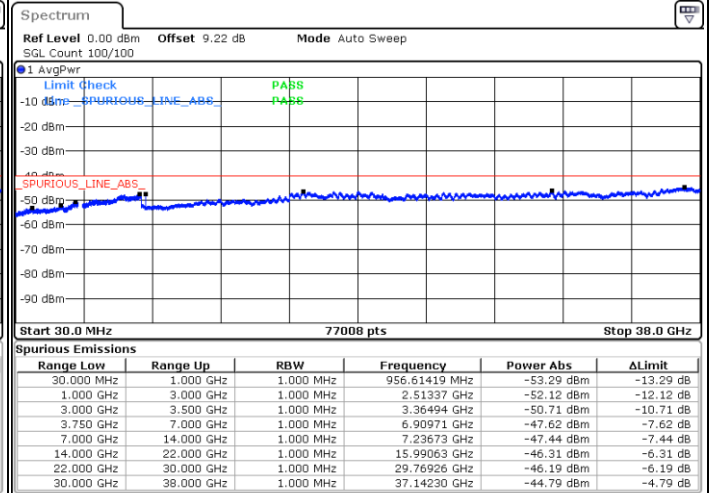
QPSK / 1RB0

Lowest Channel

Middle Channel

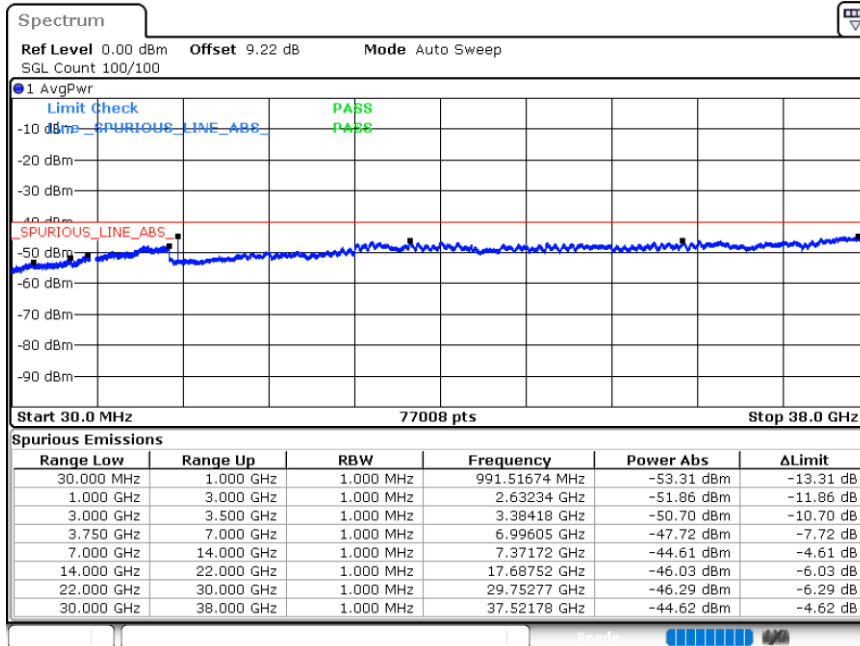


Date: 14.MAR.2024 10:28:03



Date: 14.MAR.2024 10:32:04

Highest Channel



Date: 14.MAR.2024 10:34:36

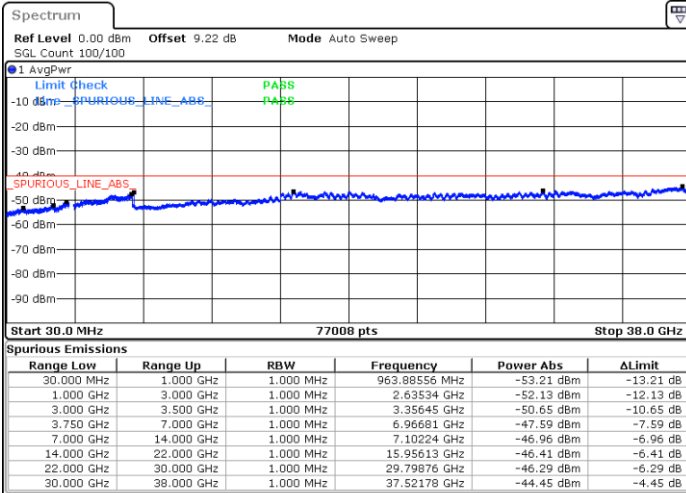


LTE Band 48 / 20MHz

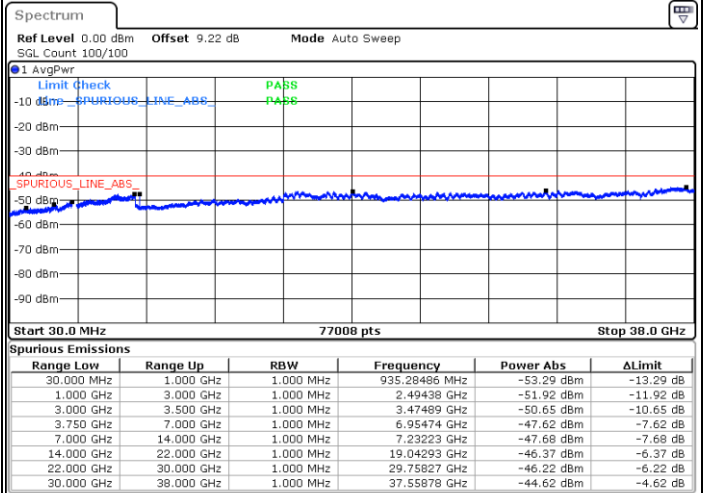
QPSK / 1RB0

Lowest Channel

Middle Channel

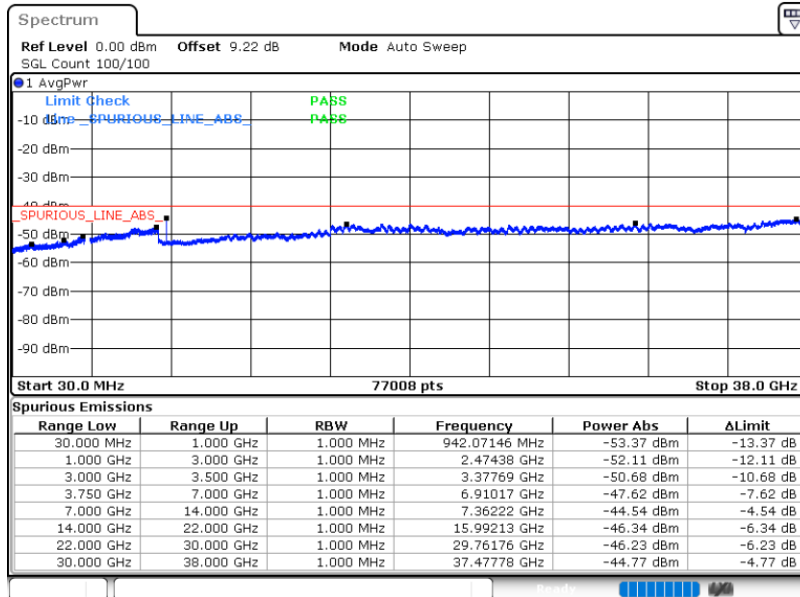


Date: 14.MAR.2024 10:37:18



Date: 14.MAR.2024 10:45:29

Highest Channel



Date: 14.MAR.2024 10:47:48

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	0.0029	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0051	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6V. ; 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 :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 48 / 20MHz / QPSK / ANT5								
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)
Middle	7231	-65.86	-40	-25.86	-77.32	2.84	14.30	H
	10850	-59.02	-40	-19.02	-68.96	3.49	13.43	H
	14469	-62.64	-40	-22.64	-72.88	3.85	14.09	H
	7231	-65.71	-40	-25.71	-77.17	2.84	14.30	V
	10850	-52.56	-40	-12.56	-62.50	3.49	13.43	V
	14469	-62.88	-40	-22.88	-73.12	3.85	14.09	V

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