

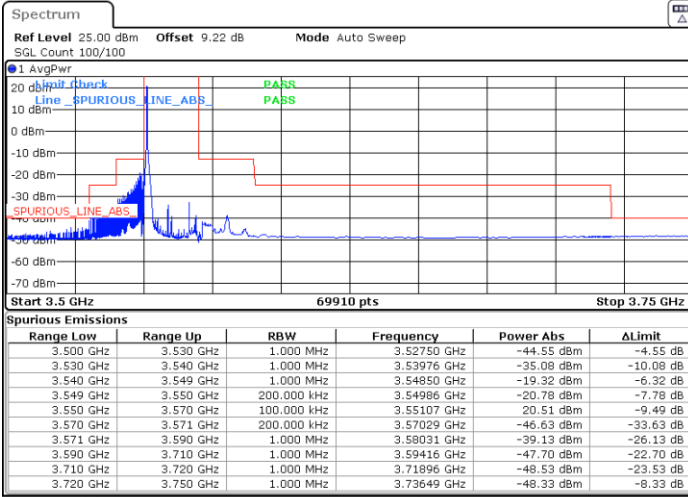


LTE Band 48 / 20MHz

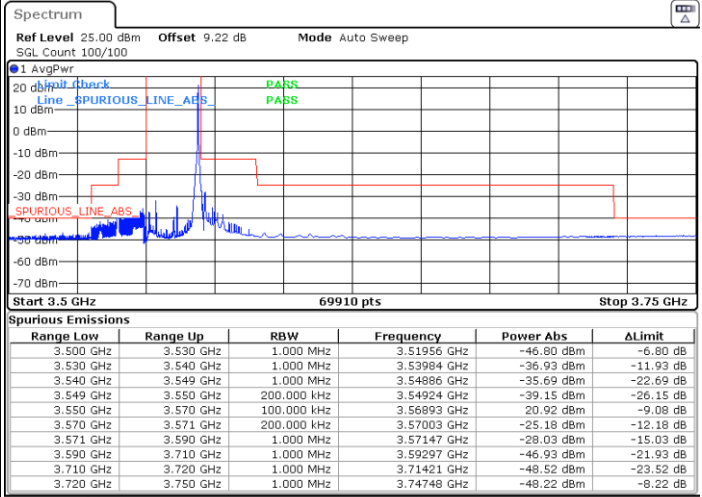
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



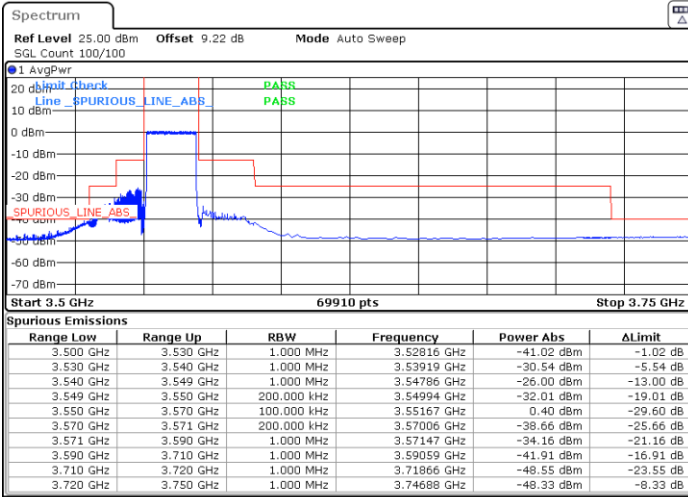
Date: 5.MAR.2024 08:54:03



Date: 5.MAR.2024 09:01:35

Lowest Channel / FullRB

N/A



Date: 5.MAR.2024 09:08:28

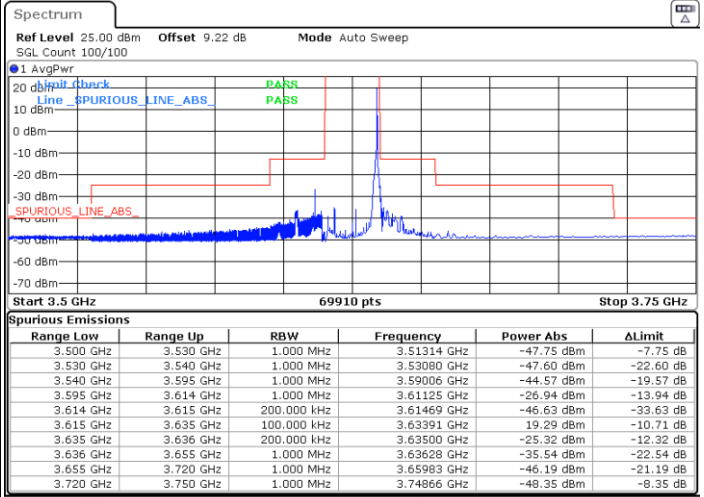
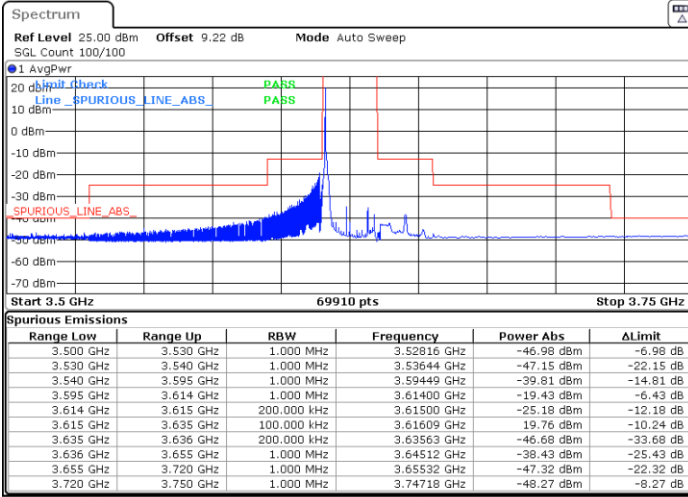


LTE Band 48 / 20MHz

QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax

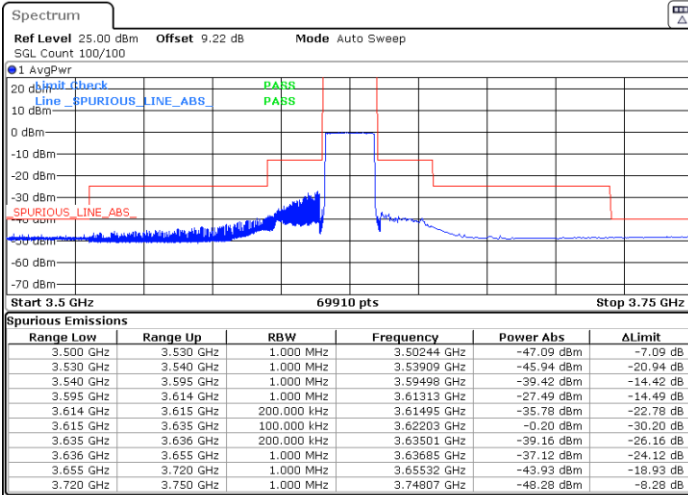


Date: 5.MAR.2024 09:15:16

Date: 5.MAR.2024 09:22:03

Middle Channel / Full

N/A



Date: 5.MAR.2024 09:28:50

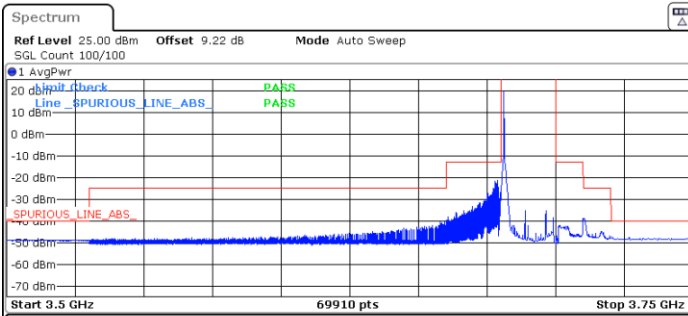


LTE Band 48 / 20MHz

QPSK

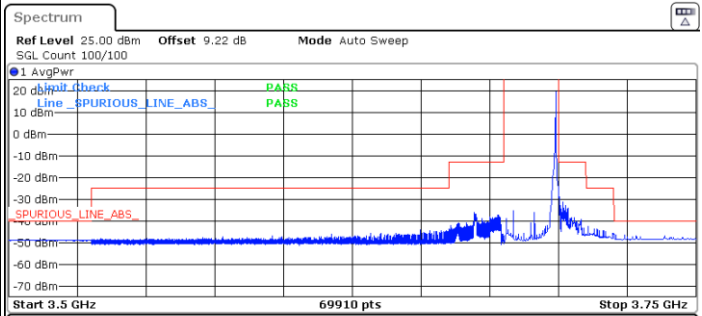
Highest Channel / 1RB0

Highest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50685 GHz	-48.99 dBm	-8.99 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53600 GHz	-48.16 dBm	-23.16 dB
3.540 GHz	3.660 GHz	1.000 MHz	3.65797 GHz	-40.53 dBm	-15.53 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67867 GHz	-21.60 dBm	-8.60 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67998 GHz	-23.68 dBm	-10.68 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68109 GHz	19.68 dBm	-10.32 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70027 GHz	-47.11 dBm	-34.11 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70996 GHz	-38.82 dBm	-25.82 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71035 GHz	-38.97 dBm	-13.97 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-47.60 dBm	-7.60 dB

Date: 5.MAR.2024 09:35:39

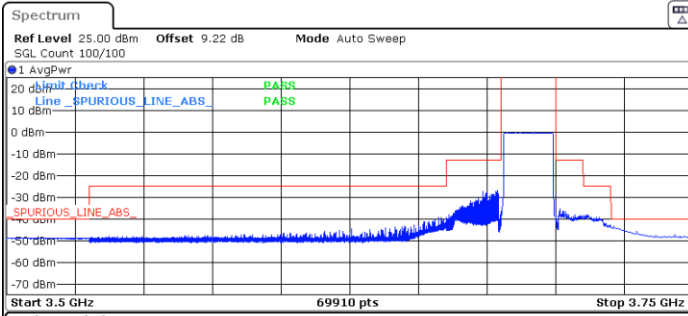


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51908 GHz	-49.01 dBm	-9.01 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53358 GHz	-48.37 dBm	-23.37 dB
3.540 GHz	3.660 GHz	1.000 MHz	3.64972 GHz	-44.26 dBm	-19.26 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.66939 GHz	-36.40 dBm	-23.40 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67973 GHz	-46.17 dBm	-33.17 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69891 GHz	19.51 dBm	-10.49 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70000 GHz	-24.07 dBm	-11.07 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70167 GHz	-31.48 dBm	-18.48 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71064 GHz	-42.50 dBm	-17.50 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-46.32 dBm	-6.32 dB

Date: 5.MAR.2024 09:42:32

Highest Channel / FullIRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51674 GHz	-49.01 dBm	-9.01 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53739 GHz	-48.11 dBm	-23.11 dB
3.540 GHz	3.660 GHz	1.000 MHz	3.65733 GHz	-39.33 dBm	-14.33 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67878 GHz	-27.14 dBm	-14.14 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67998 GHz	-36.77 dBm	-23.77 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69475 GHz	-0.25 dBm	-30.25 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70008 GHz	-38.47 dBm	-25.47 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70149 GHz	-35.34 dBm	-22.34 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71134 GHz	-38.22 dBm	-13.22 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72134 GHz	-43.55 dBm	-3.55 dB

Date: 5.MAR.2024 09:49:28

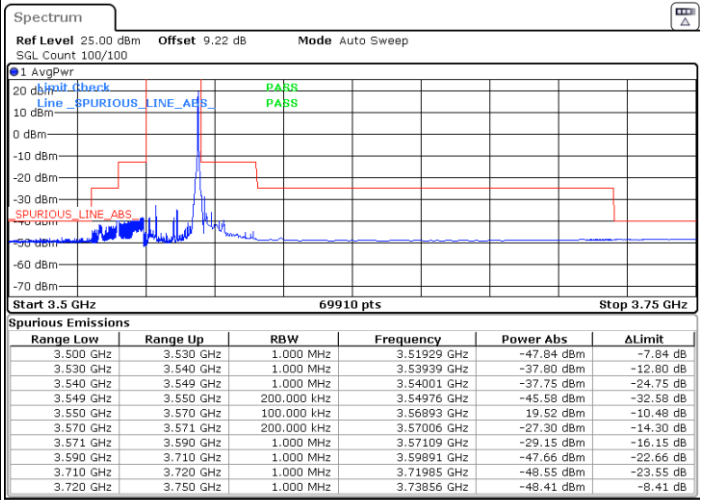
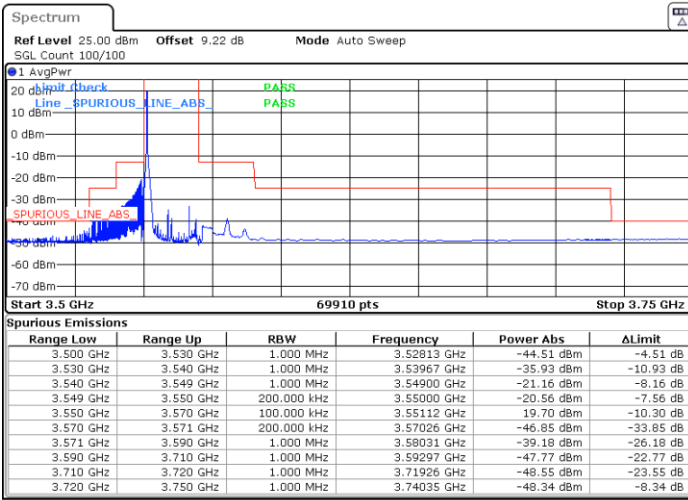


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

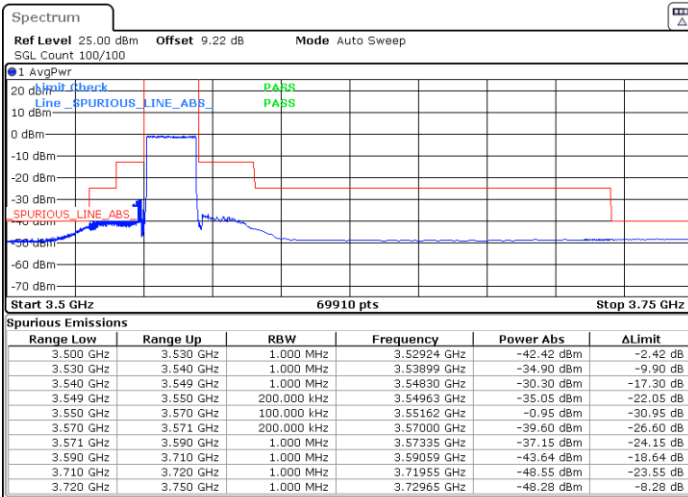


Date: 5.MAR.2024 08:56:30

Date: 5.MAR.2024 09:03:20

Lowest Channel / FullIRB

N/A



Date: 5.MAR.2024 09:10:10

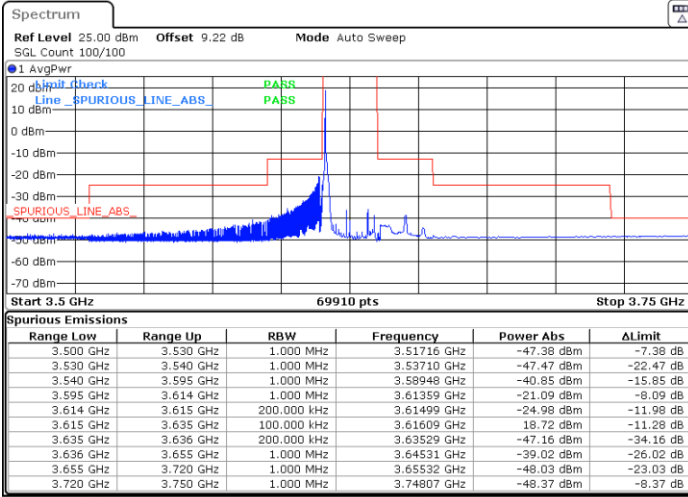


LTE Band 48 / 20MHz

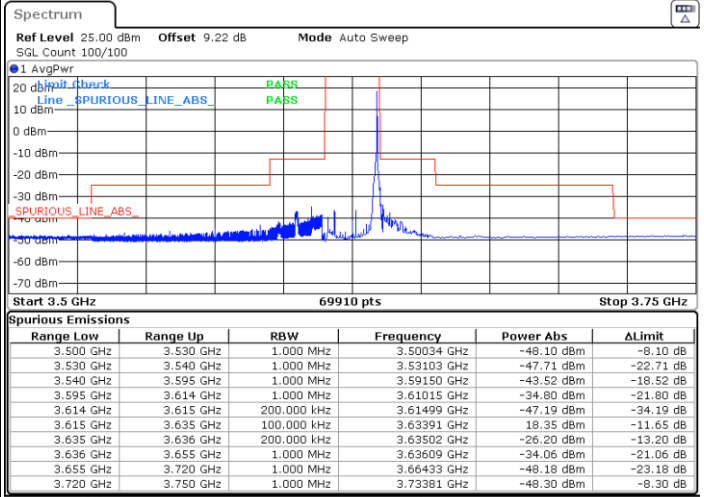
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



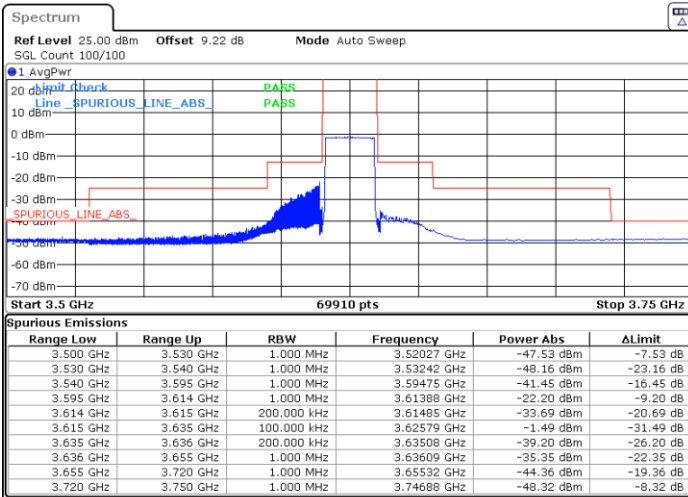
Date: 5.MAR.2024 09:16:58



Date: 5.MAR.2024 09:23:44

Middle Channel / Full

N/A



Date: 5.MAR.2024 09:30:32

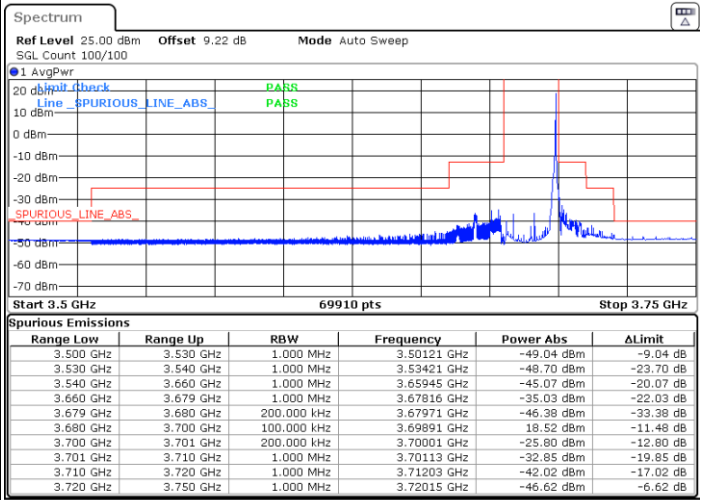
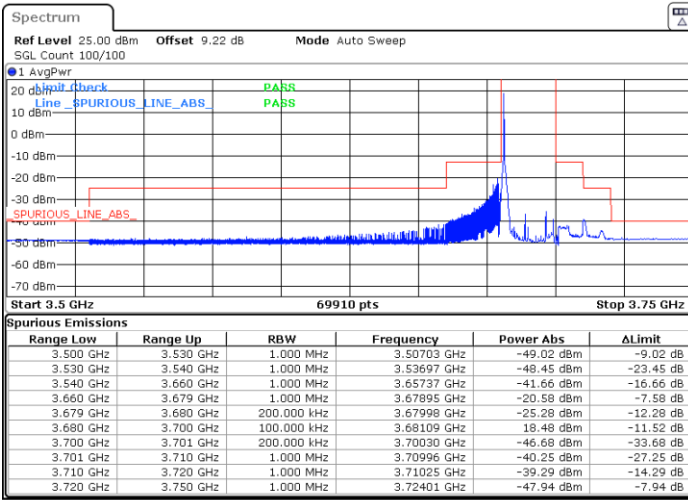


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

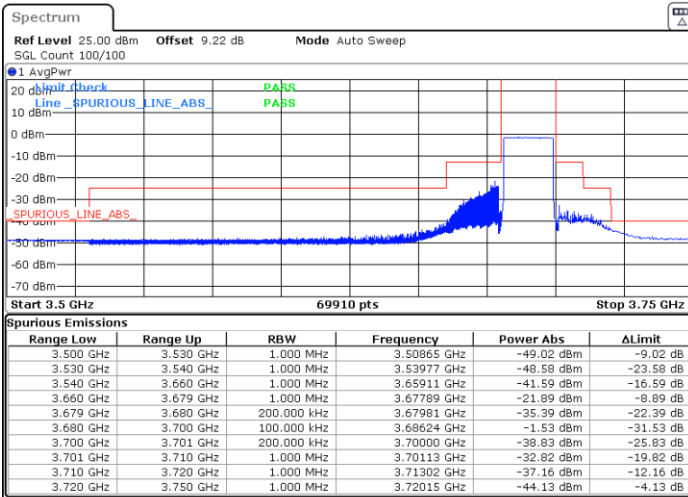


Date: 5.MAR.2024 09:37:25

Date: 5.MAR.2024 09:44:19

Highest Channel / FullIRB

N/A



Date: 5.MAR.2024 09:51:11

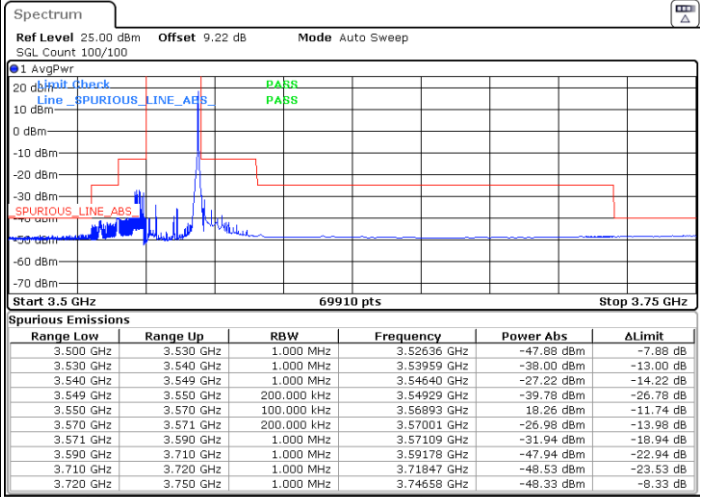
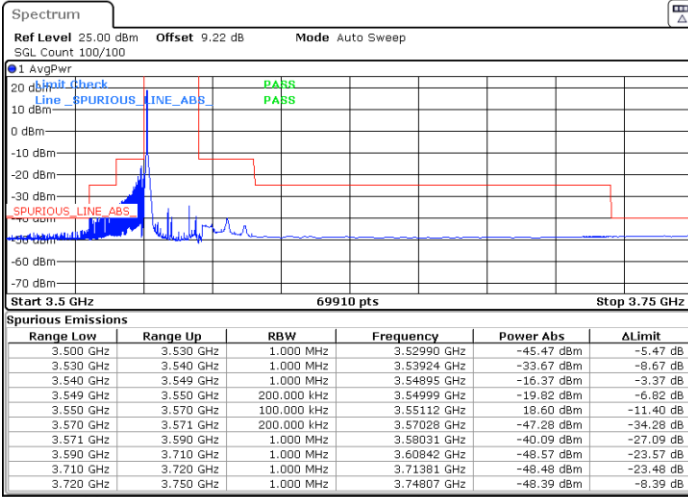


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

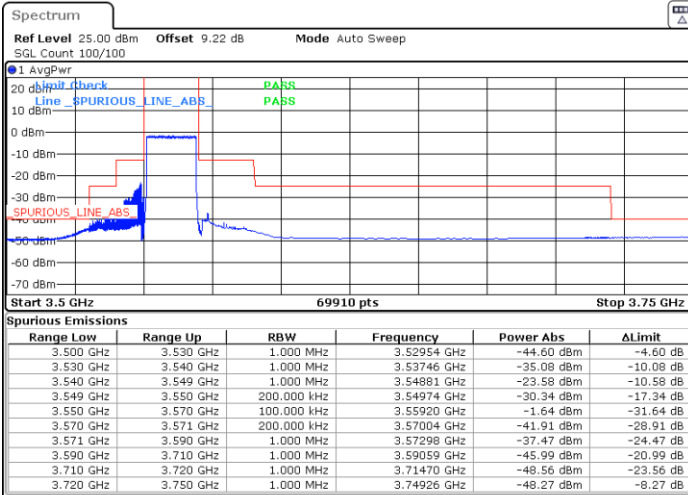


Date: 5.MAR.2024 08:58:11

Date: 5.MAR.2024 09:05:03

Lowest Channel / FullIRB

N/A



Date: 5.MAR.2024 09:11:53

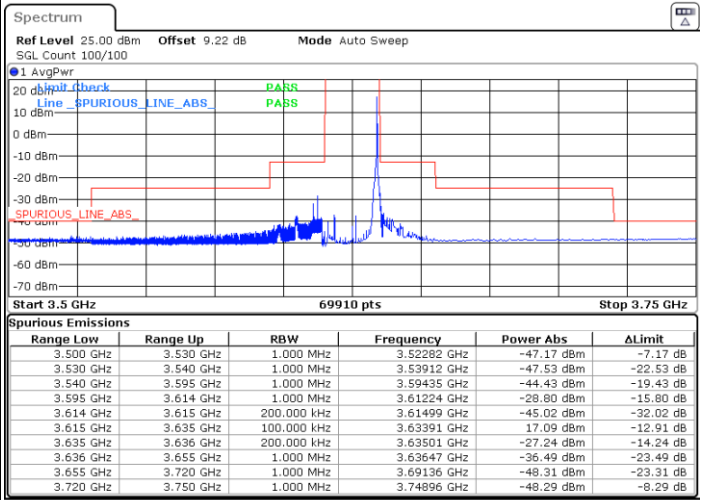
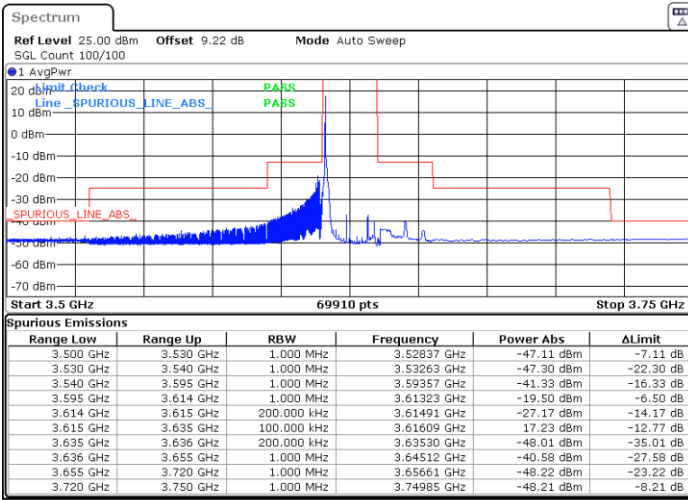


LTE Band 48 / 20MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

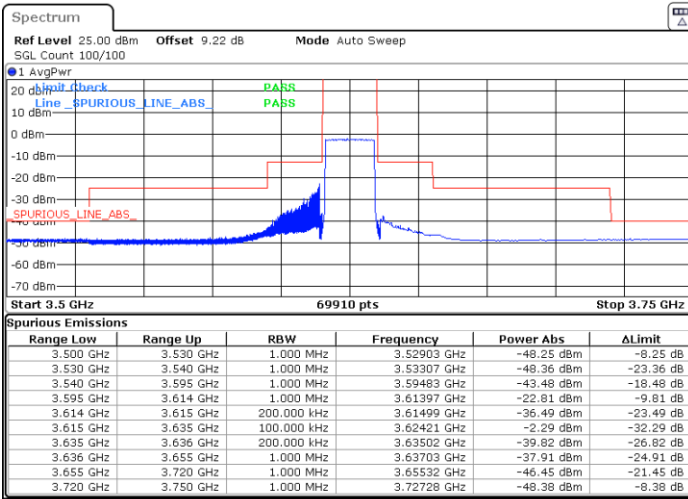


Date: 5.MAR.2024 09:18:39

Date: 5.MAR.2024 09:25:26

Middle Channel / Full

N/A



Date: 5.MAR.2024 09:32:13

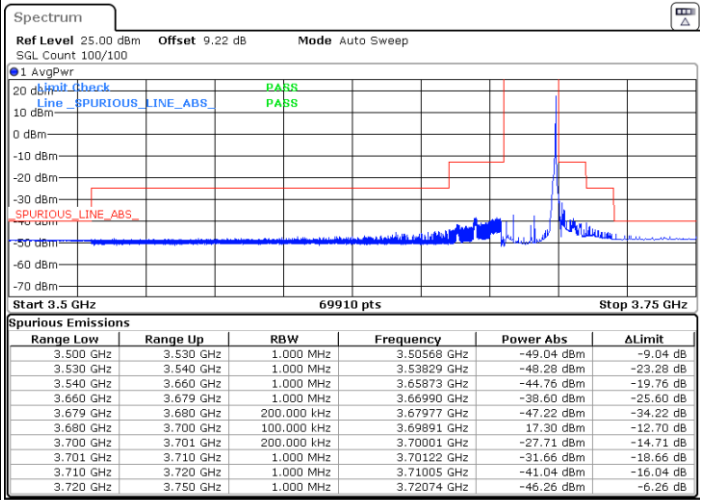
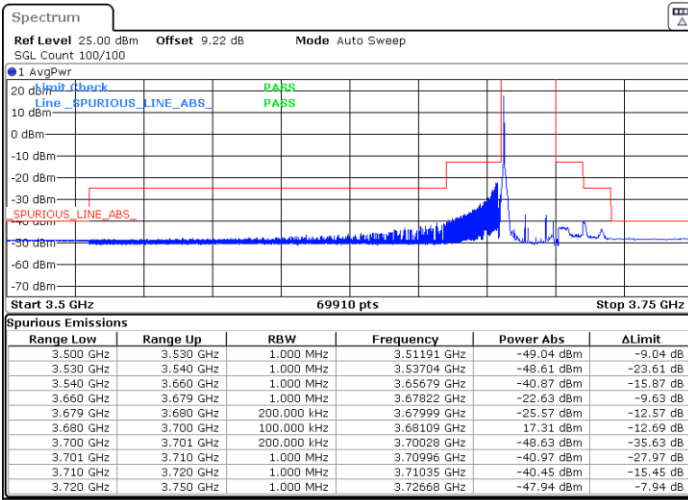


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

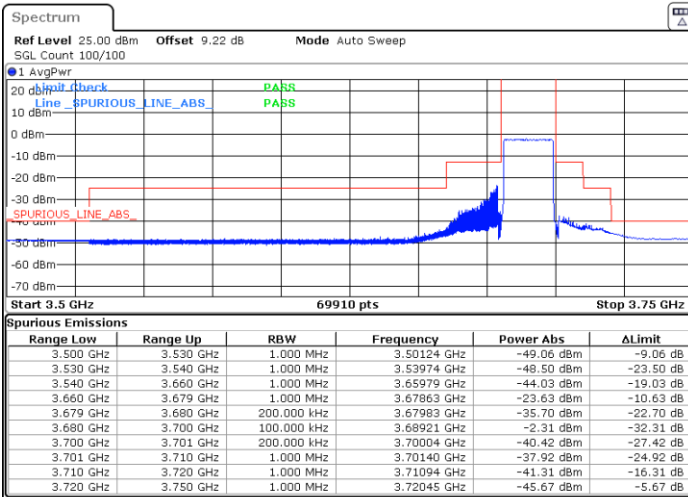


Date: 5.MAR.2024 09:39:07

Date: 5.MAR.2024 09:46:02

Highest Channel / FullIRB

N/A



Date: 5.MAR.2024 09:52:54

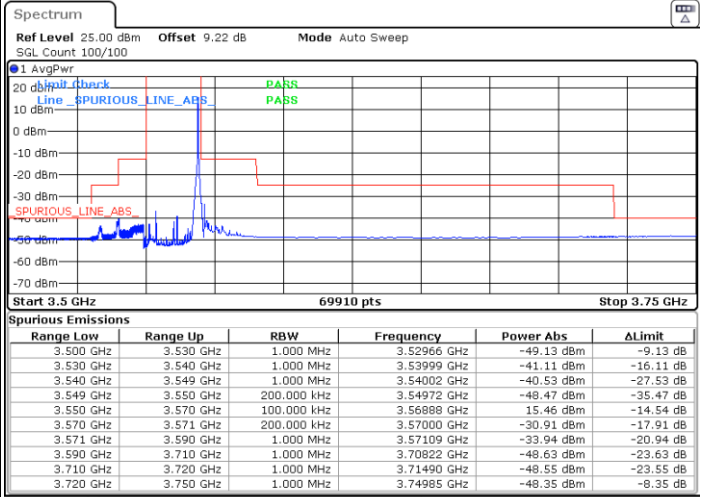
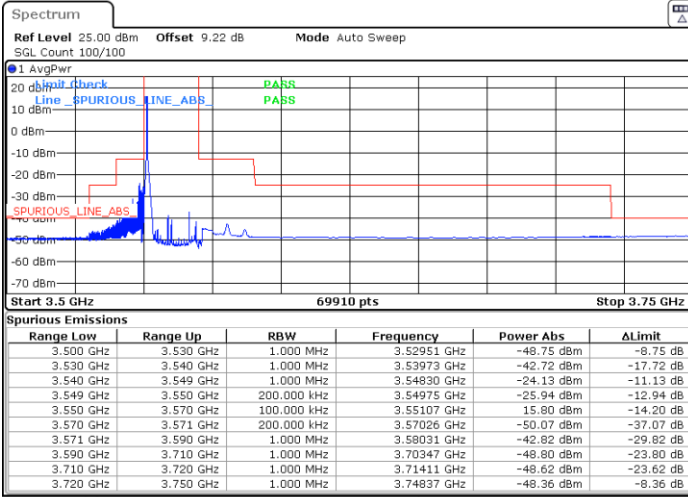


LTE Band 48 / 20MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

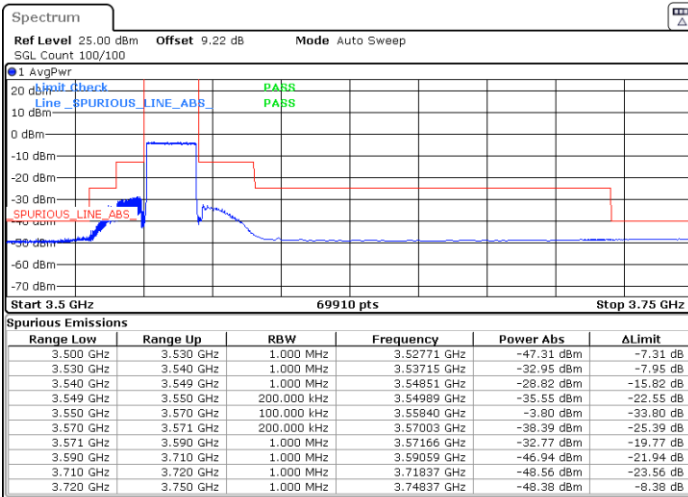


Date: 5.MAR.2024 08:59:53

Date: 5.MAR.2024 09:06:45

Lowest Channel / FullIRB

N/A



Date: 5.MAR.2024 09:13:36

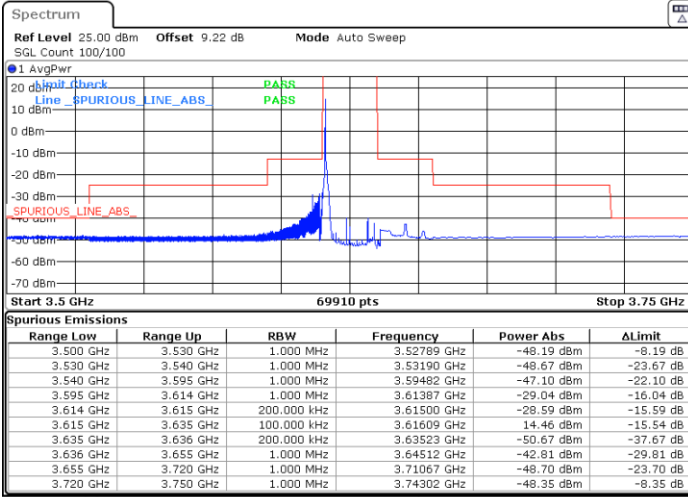


LTE Band 48 / 20MHz

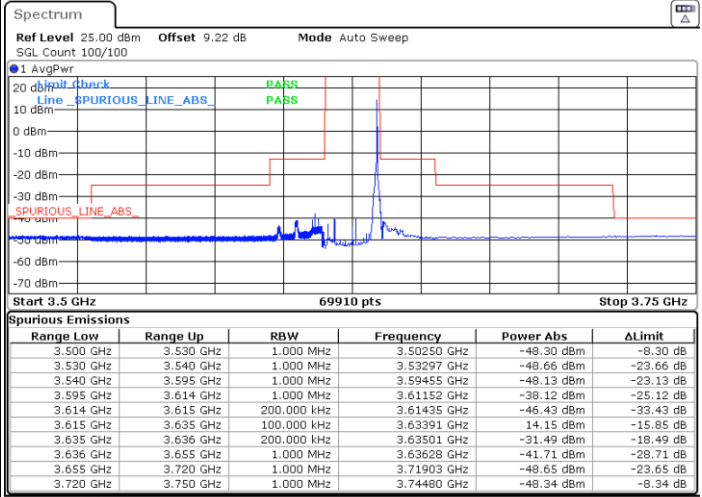
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



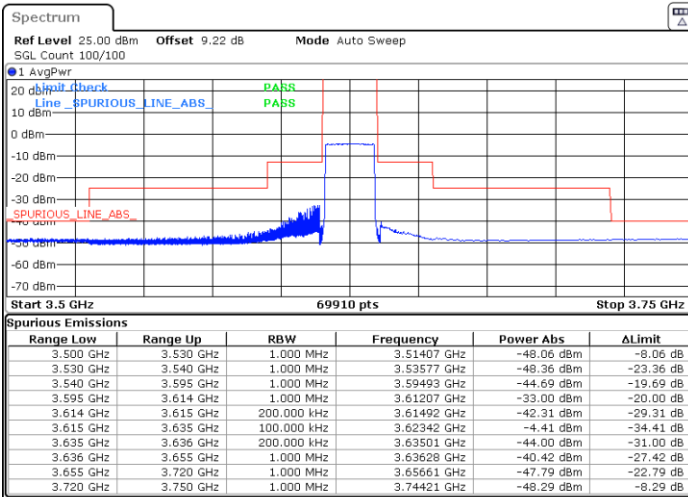
Date: 5.MAR.2024 09:20:21



Date: 5.MAR.2024 09:27:08

Middle Channel / Full

N/A



Date: 5.MAR.2024 09:33:56

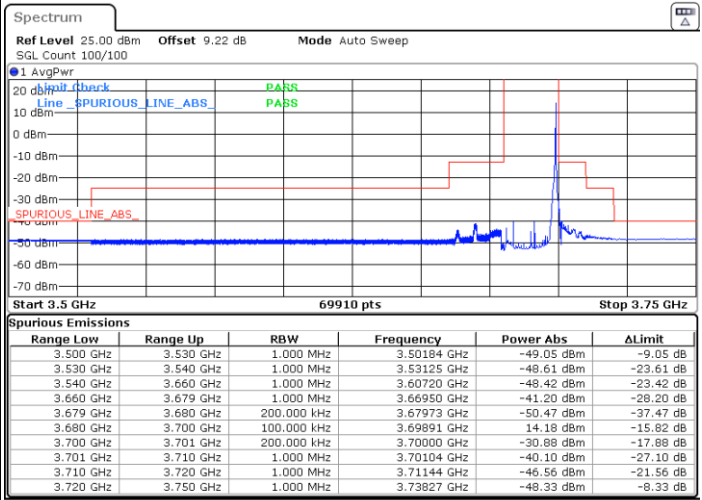
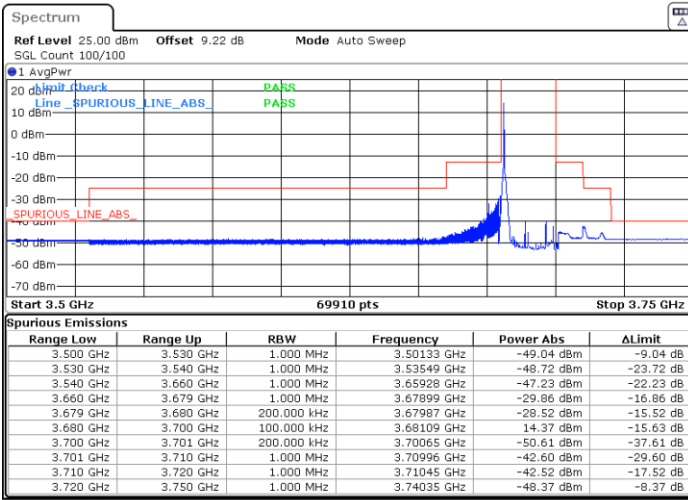


LTE Band 48 / 20MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

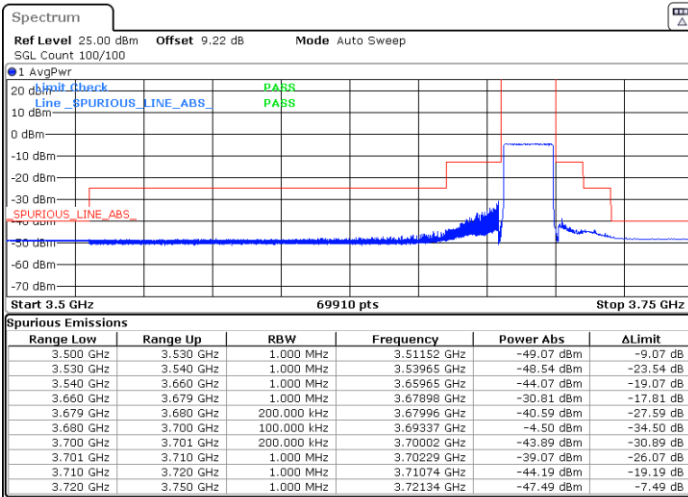


Date: 5.MAR.2024 09:40:50

Date: 5.MAR.2024 09:47:44

Highest Channel / FullIRB

N/A



Date: 5.MAR.2024 09:56:43



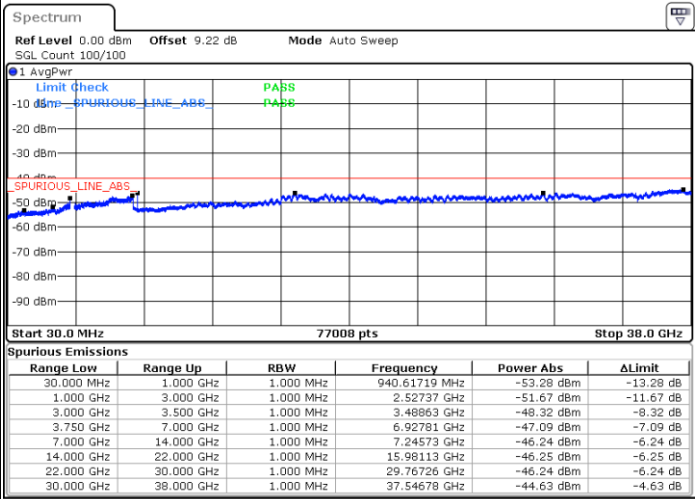
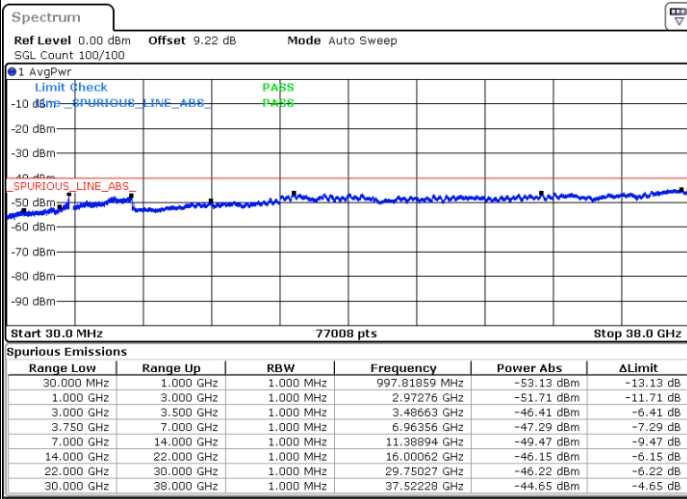
Conducted Spurious Emission

LTE Band 48 / 5MHz

QPSK / 1RB0

Lowest Channel

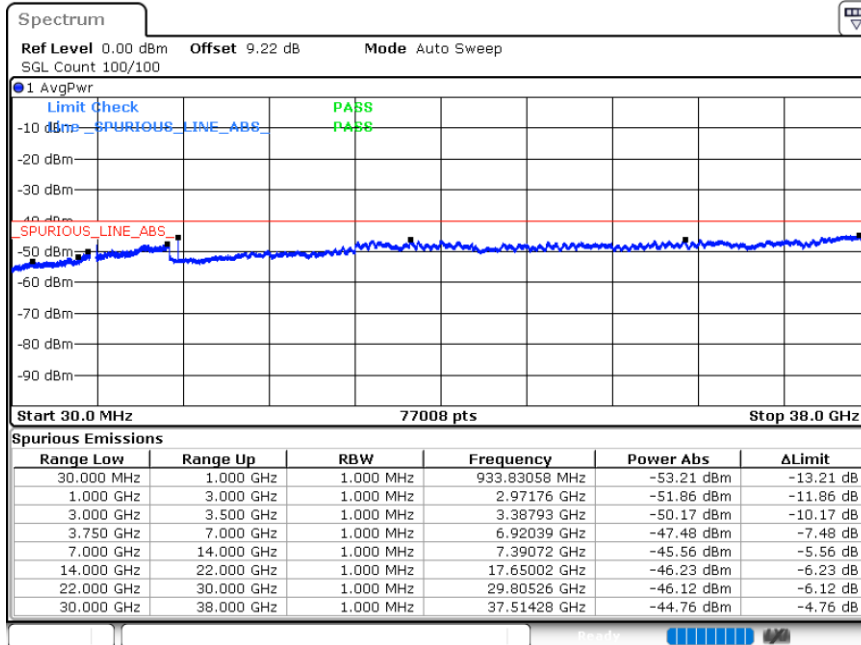
Middle Channel



Date: 8.MAR.2024 20:55:53

Date: 8.MAR.2024 20:57:33

Highest Channel



Date: 8.MAR.2024 20:59:13

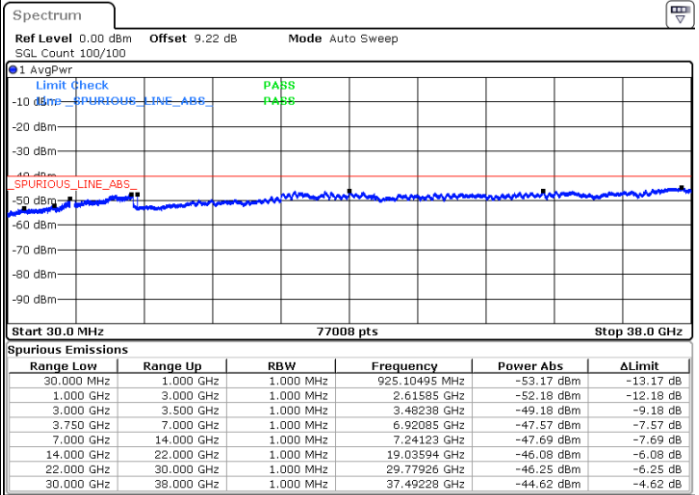
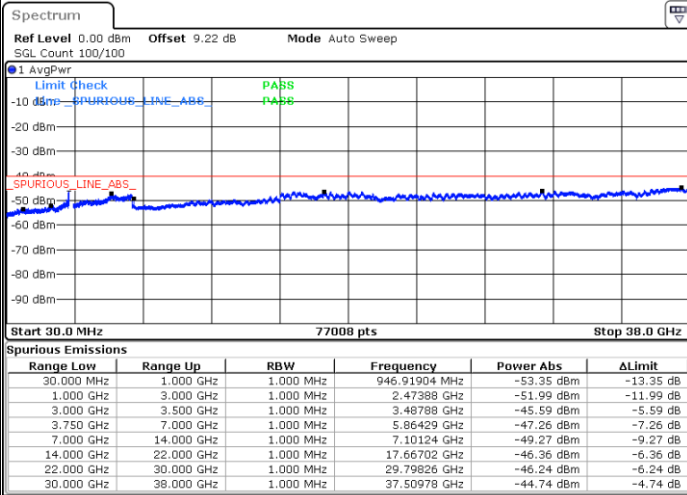


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

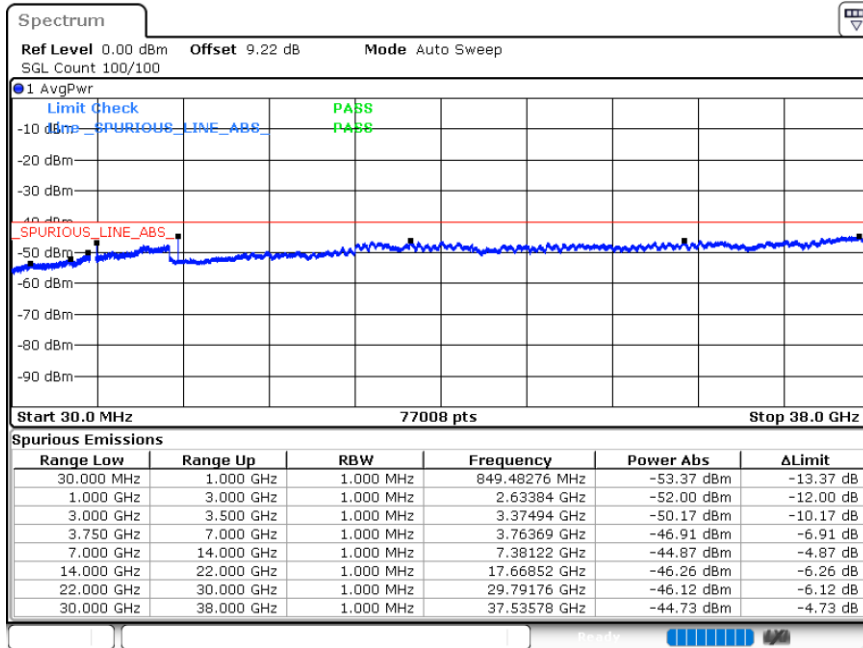
Middle Channel



Date: 8.MAR.2024 21:00:54

Date: 8.MAR.2024 21:02:34

Highest Channel



Date: 8.MAR.2024 21:04:14

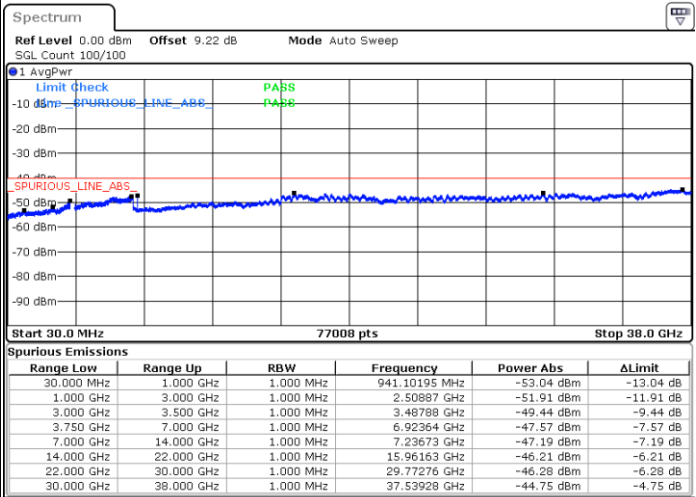
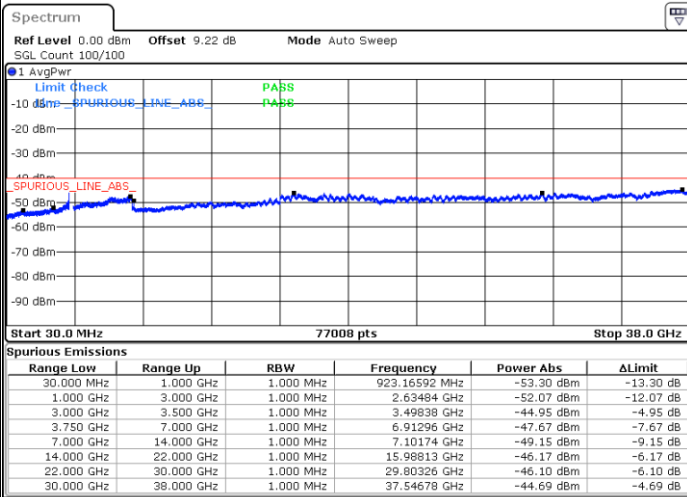


LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

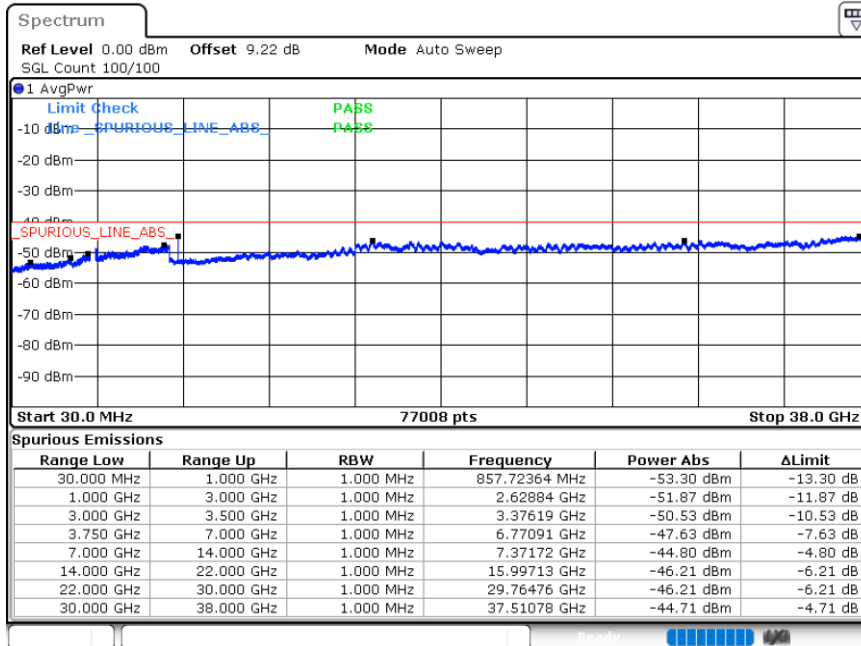
Middle Channel



Date: 8.MAR.2024 21:05:56

Date: 8.MAR.2024 21:07:36

Highest Channel



Date: 8.MAR.2024 21:09:15

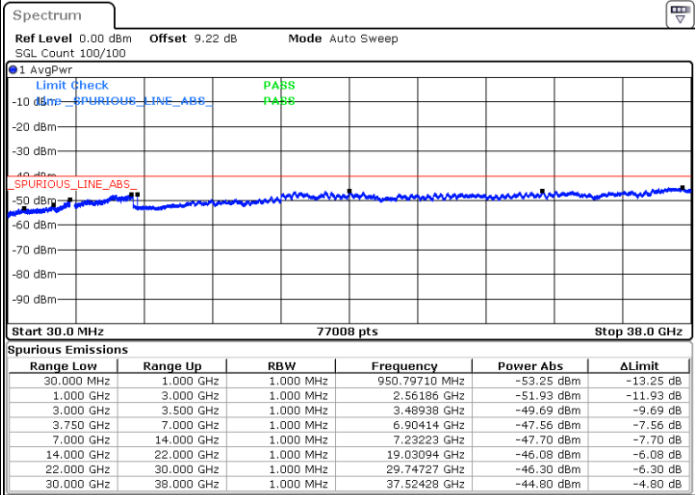
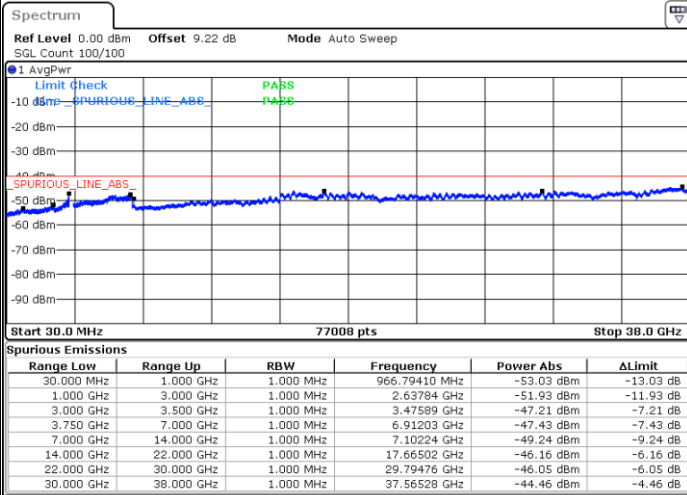


LTE Band 48 / 20MHz

QPSK / 1RB0

Lowest Channel

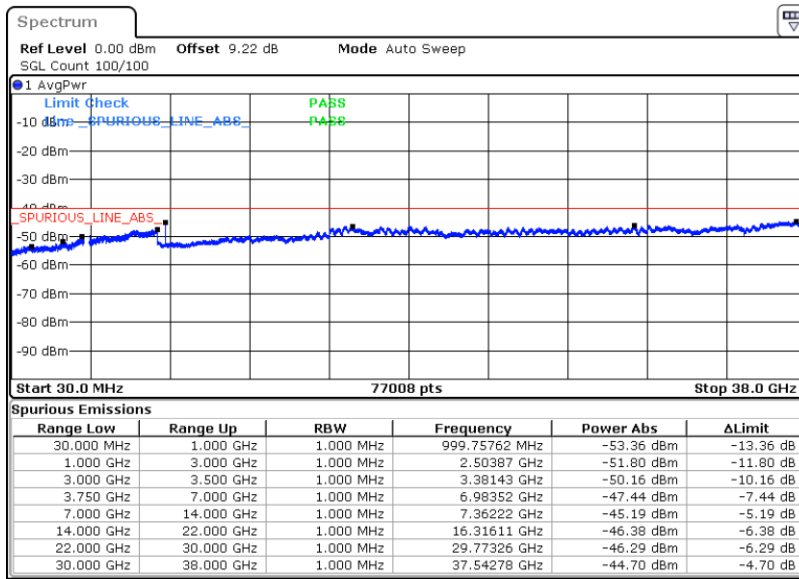
Middle Channel



Date: 8.MAR.2024 21:10:57

Date: 8.MAR.2024 21:12:37

Highest Channel



Date: 8.MAR.2024 21:14:17



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	0.0031	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0023	

Note:

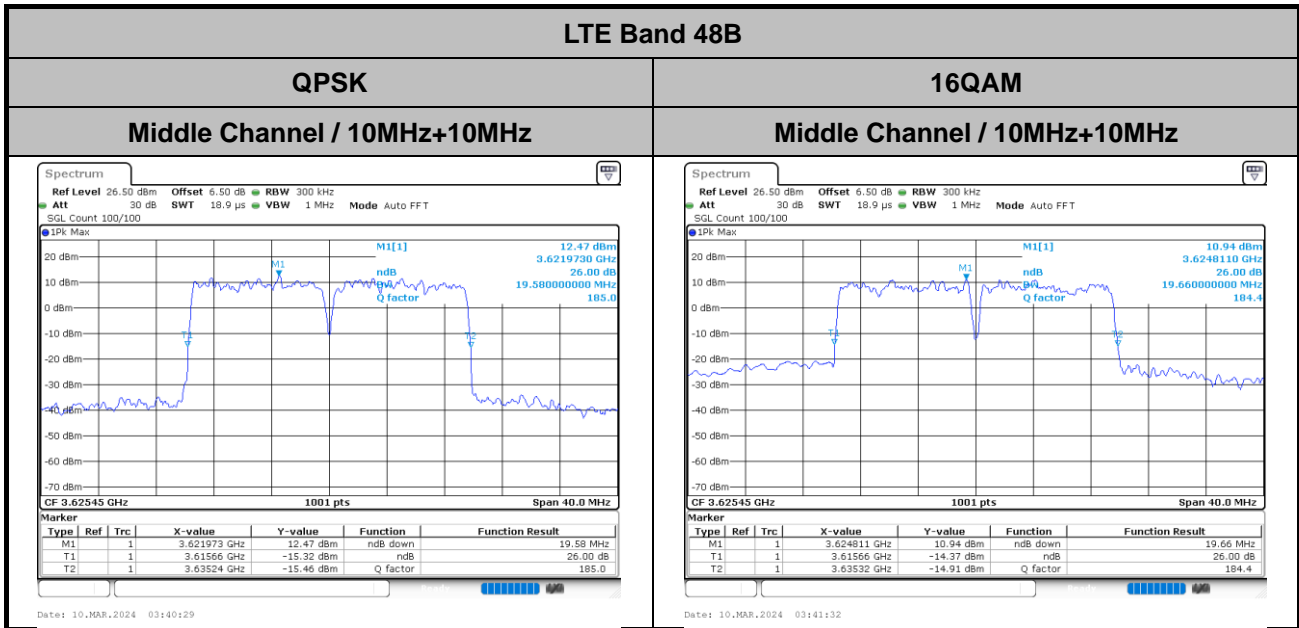
1. Normal Voltage =3.88 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48B

26dB Bandwidth

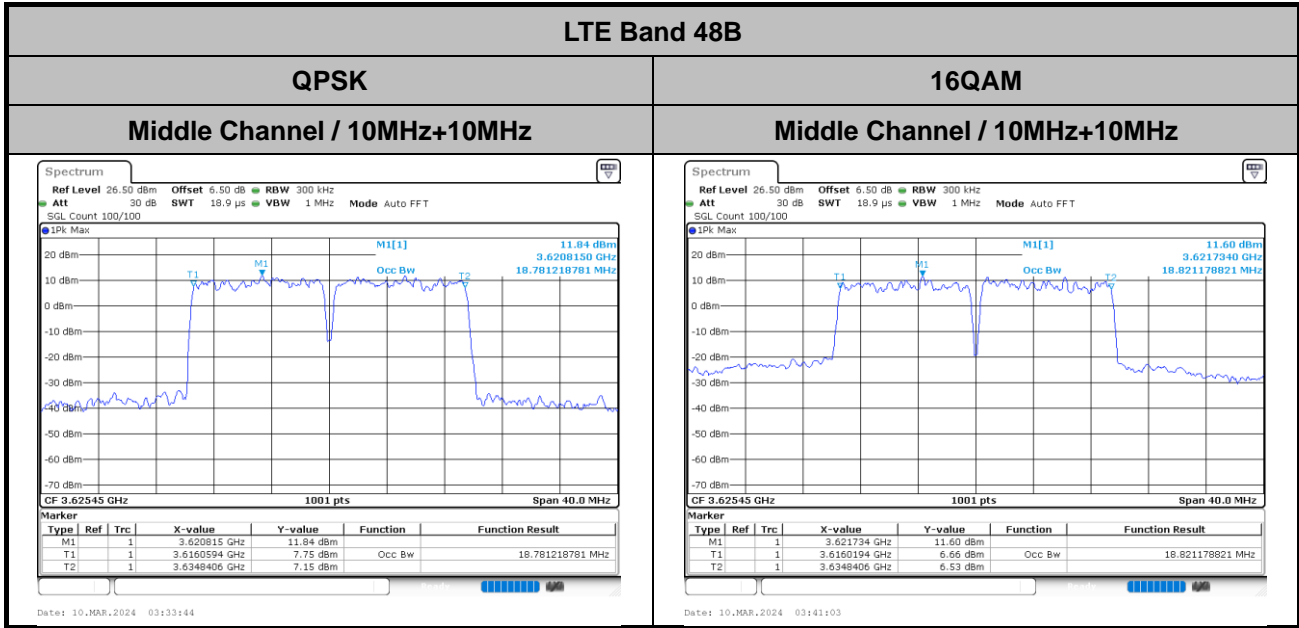
Mode	LTE Band 48B : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+10MHz	10MHz+10MHz
Middle CH	19.58	19.66





Occupied Bandwidth

Mode	LTE Band 48B : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+10MHz	10MHz+10MHz
Middle CH	18.78	18.82





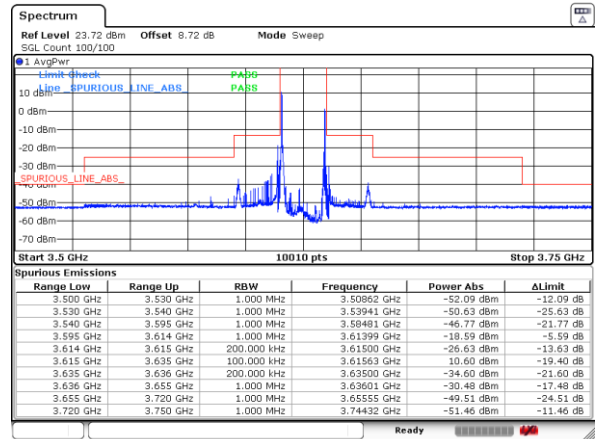
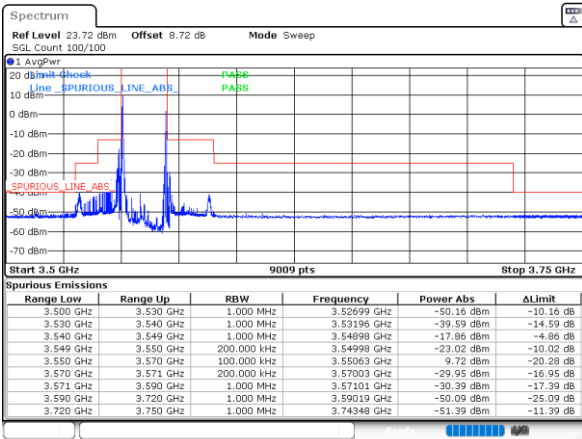
Conducted Band Edge

LTE Band 48B / 10MHz+10MHz

QPSK

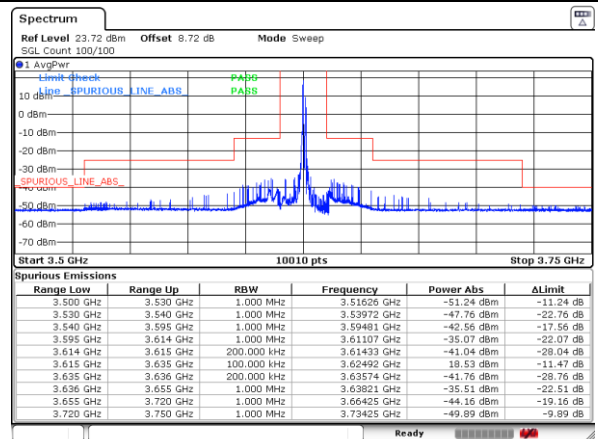
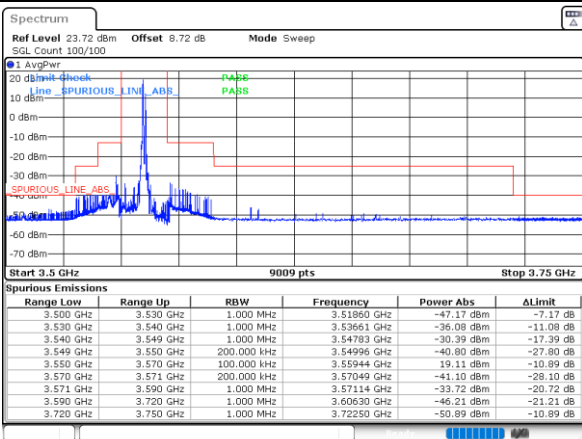
Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49



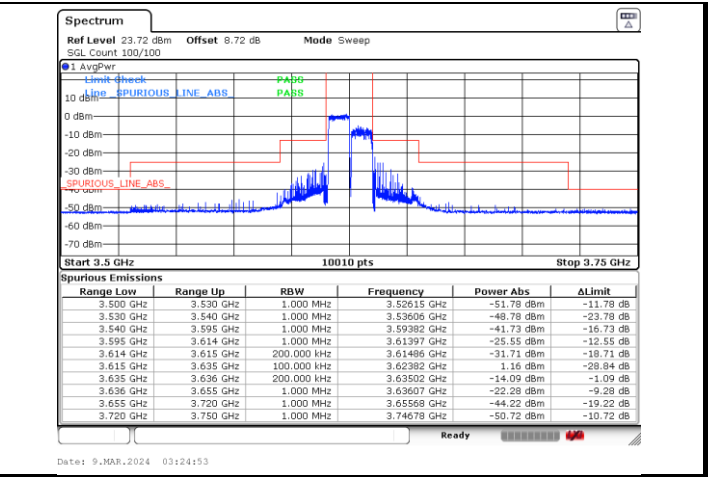
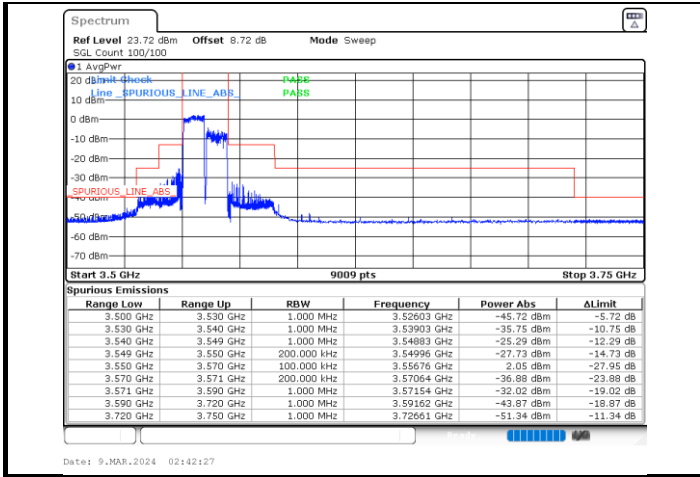
Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB

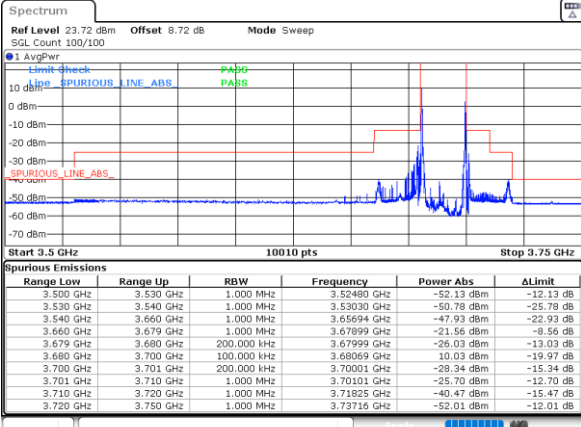




LTE Band 48B / 10MHz+10MHz

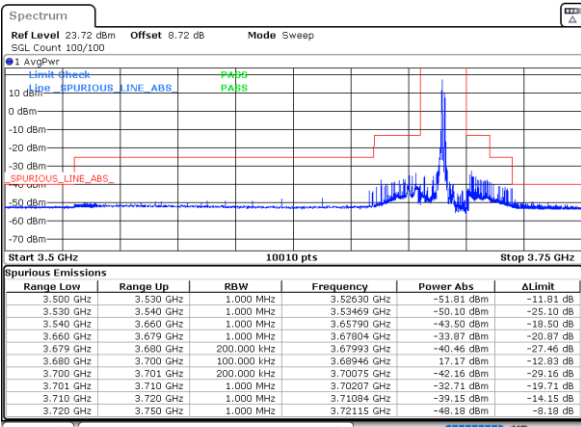
QPSK

Highest Band Edge / 1RB0 and 1RB49



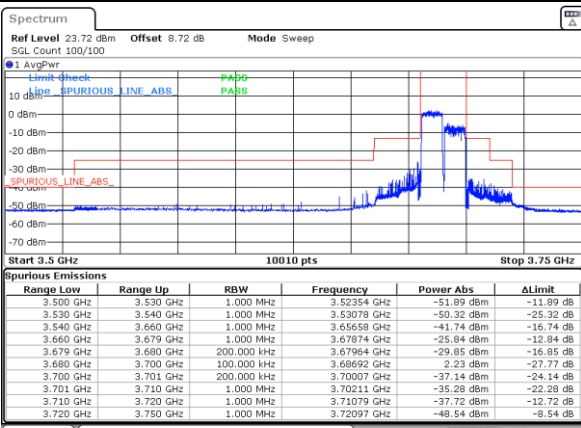
Date: 9_MAR.2024 02:56:01

Highest Band Edge / 1RB49 and 1RB0



Date: 9_MAR.2024 02:57:58

Highest Band Edge / Full RB



Date: 9_MAR.2024 02:51:40

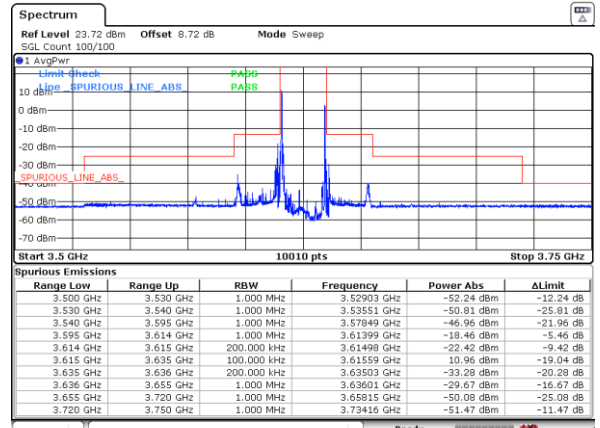
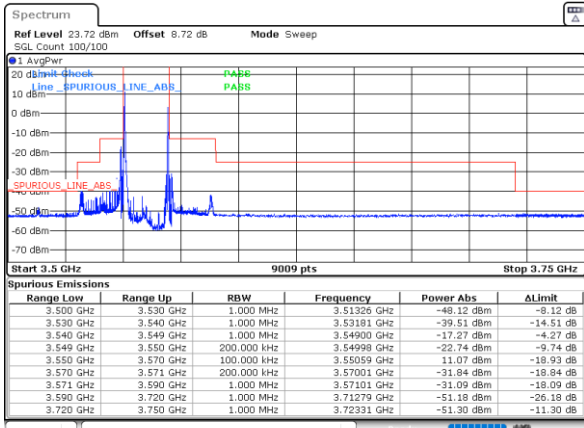


LTE Band 48B / 10MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

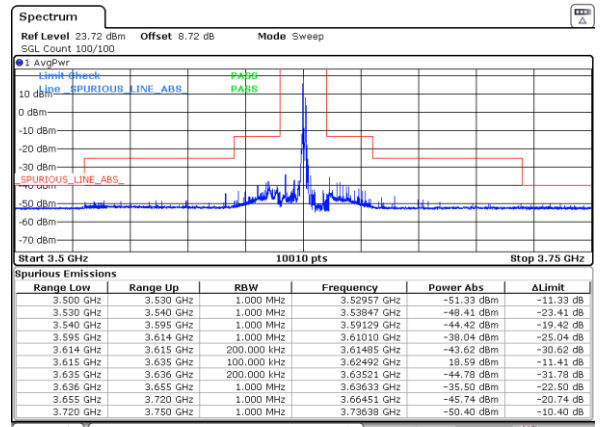
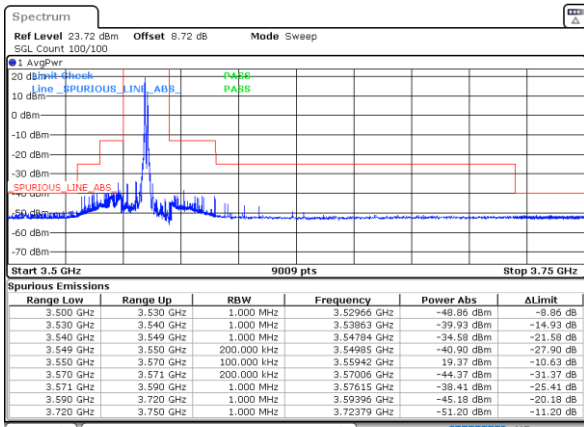


Date: 9.MAR.2024 02:46:11

Date: 9.MAR.2024 03:10:22

Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0

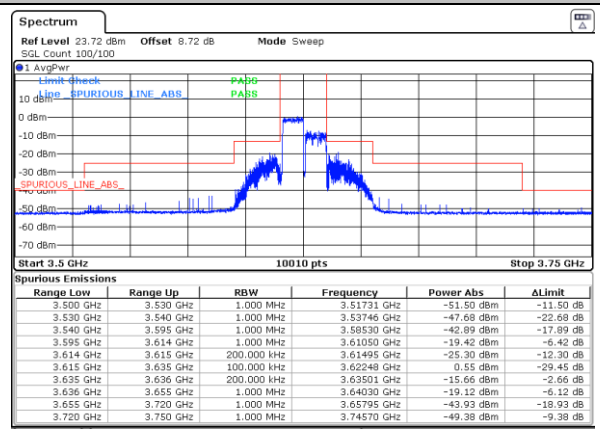
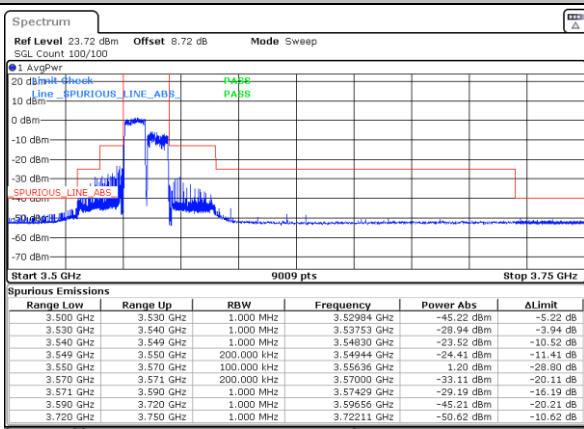


Date: 9.MAR.2024 02:49:22

Date: 9.MAR.2024 03:28:04

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 9.MAR.2024 02:43:05

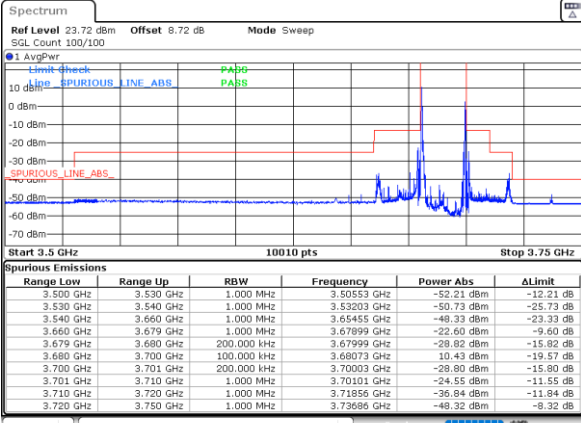
Date: 9.MAR.2024 03:25:55



LTE Band 48B / 10MHz+10MHz

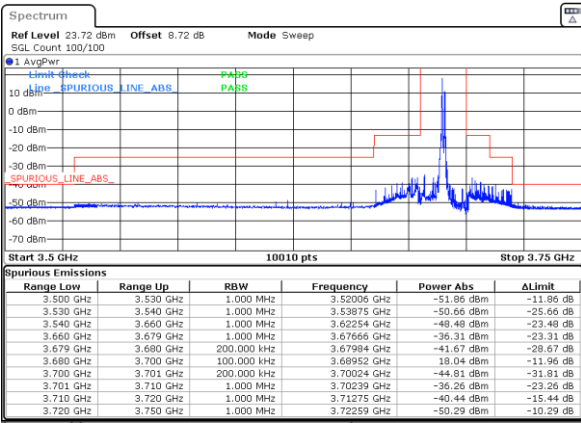
16QAM

Highest Band Edge / 1RB0 and 1RB49



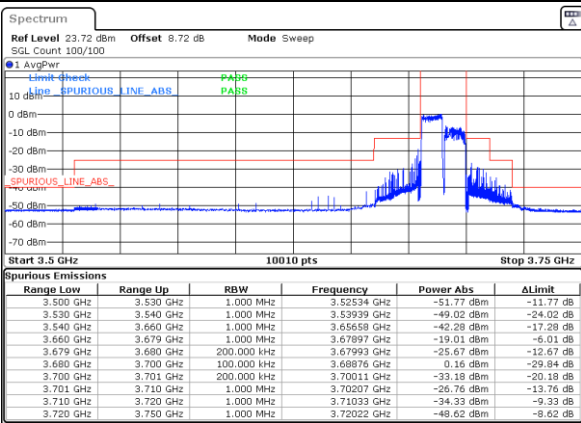
Date: 9_MAR.2024 02:55:24

Highest Band Edge / 1RB49 and 1RB0



Date: 9_MAR.2024 02:58:35

Highest Band Edge / Full RB



Date: 9_MAR.2024 02:52:17

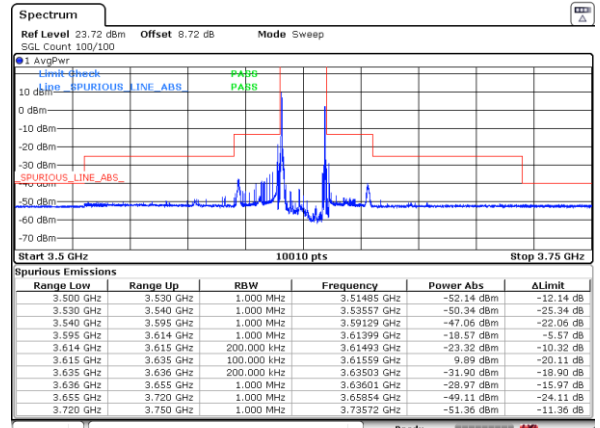
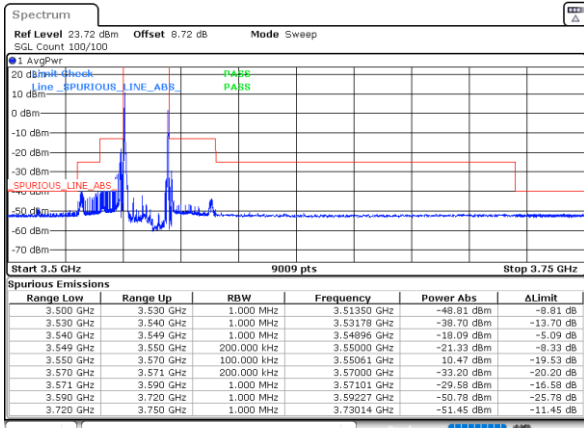


LTE Band 48B / 10MHz+10MHz

64QAM

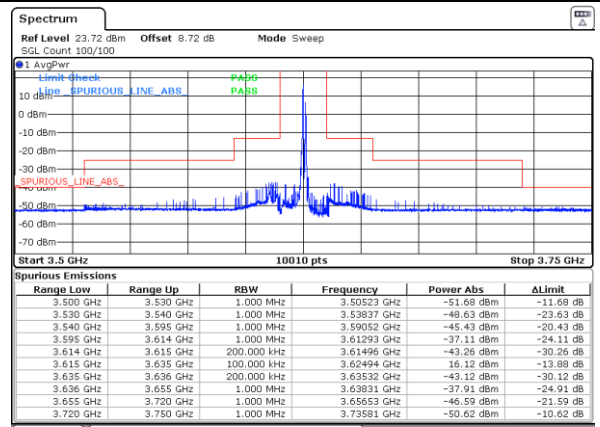
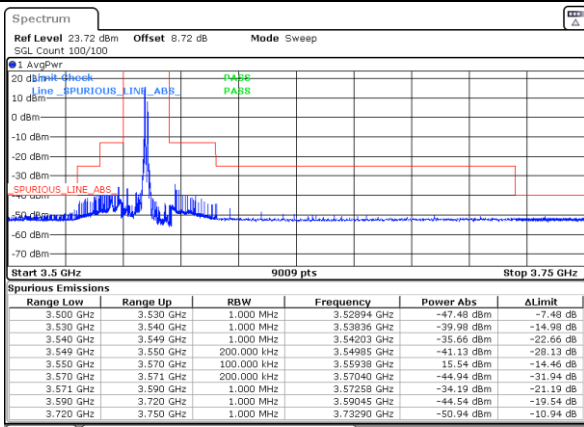
Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49



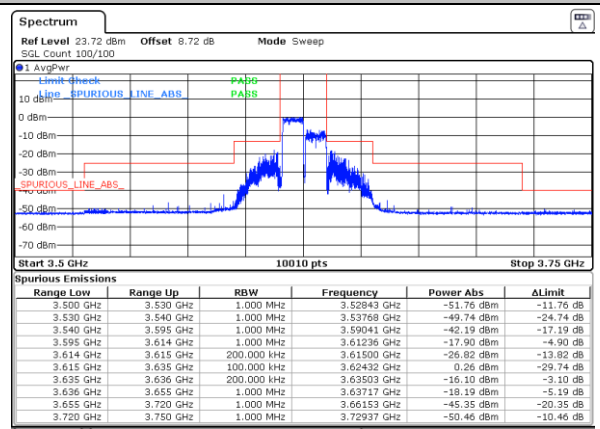
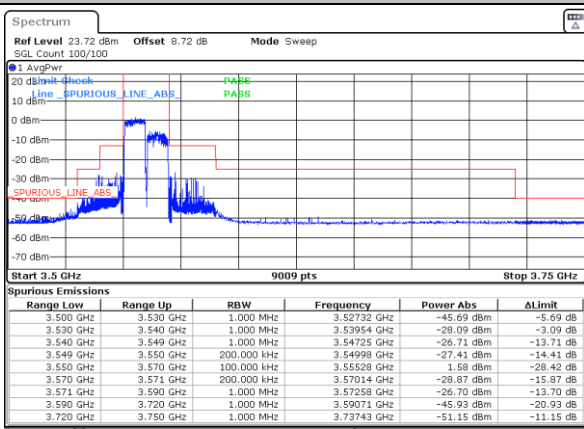
Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB

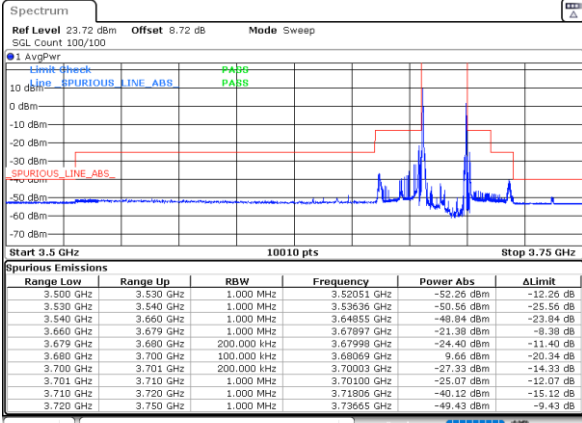




LTE Band 48B / 10MHz+10MHz

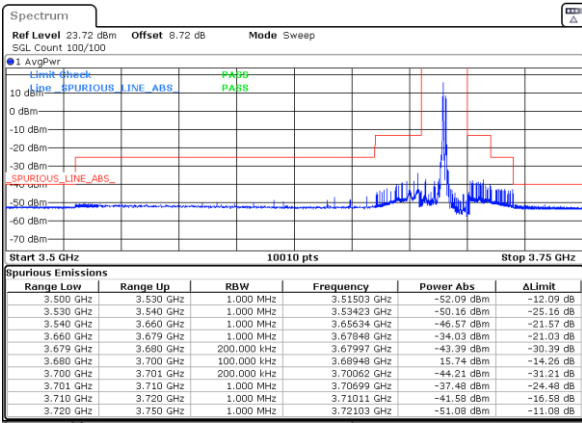
64QAM

Highest Band Edge / 1RB0 and 1RB49



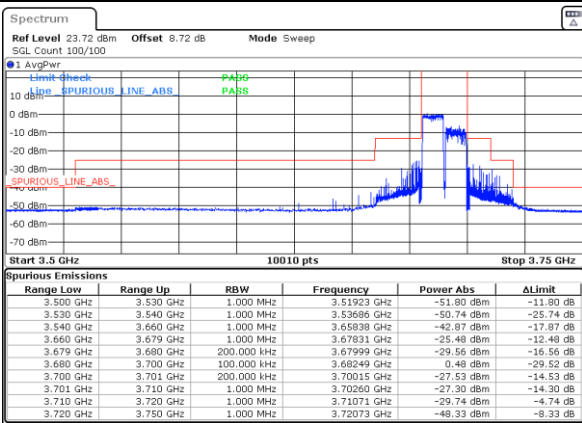
Date: 9_MAR.2024 02:54:46

Highest Band Edge / 1RB49 and 1RB0



Date: 9_MAR.2024 02:59:12

Highest Band Edge / Full RB



Date: 9_MAR.2024 02:52:55

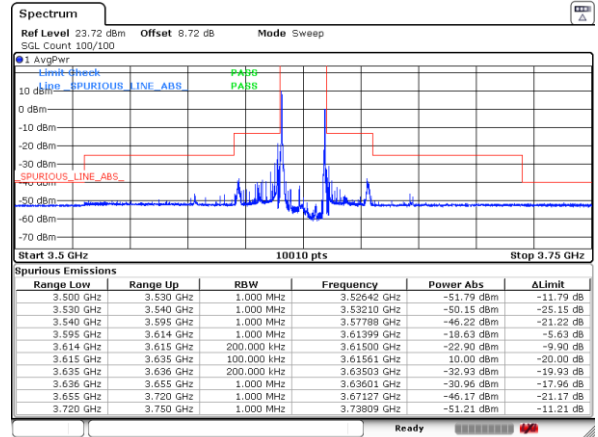
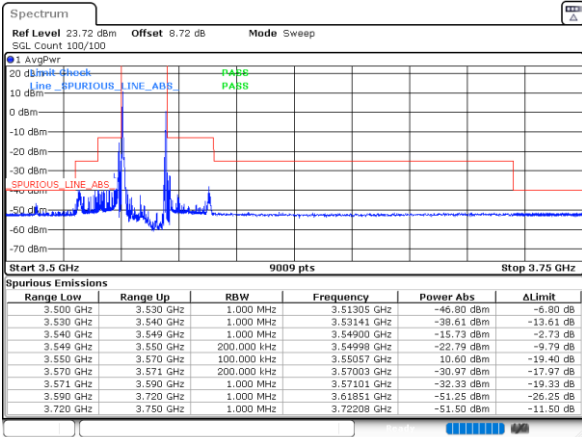


LTE Band 48B / 10MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

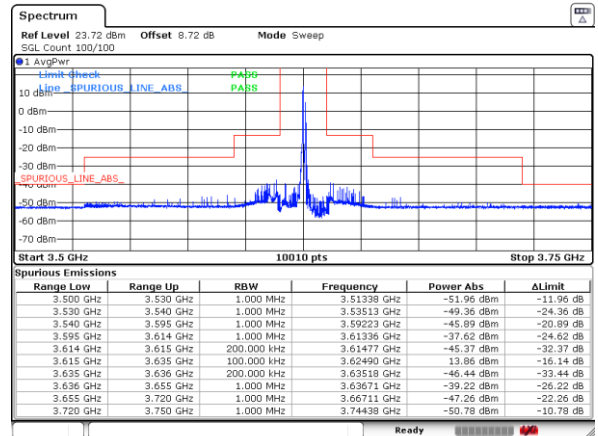
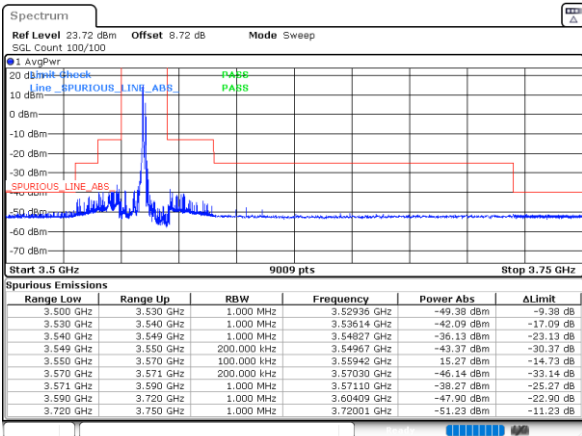


Date: 9.MAR.2024 02:44:57

Date: 9.MAR.2024 03:31:35

Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0

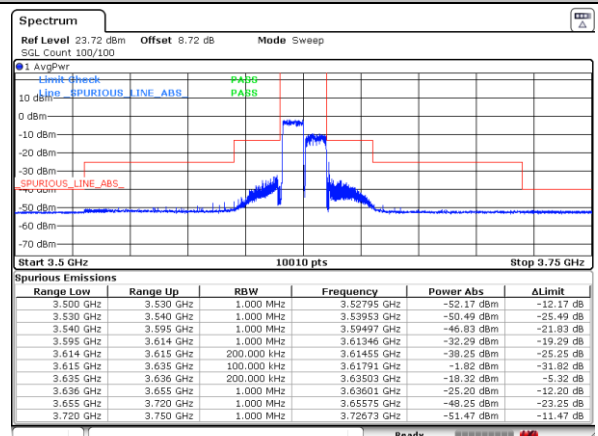
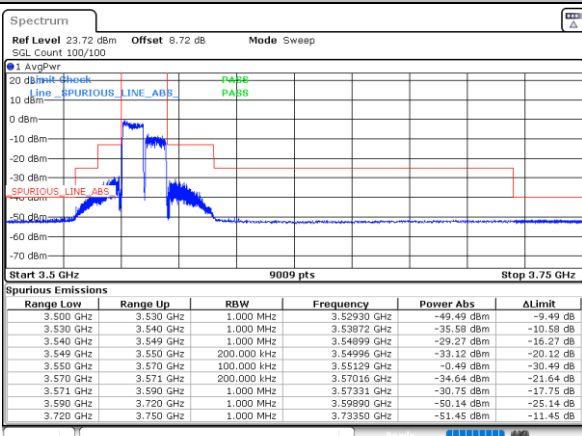


Date: 9.MAR.2024 02:50:27

Date: 9.MAR.2024 03:27:03

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 9.MAR.2024 02:44:19

Date: 9.MAR.2024 03:26:33