

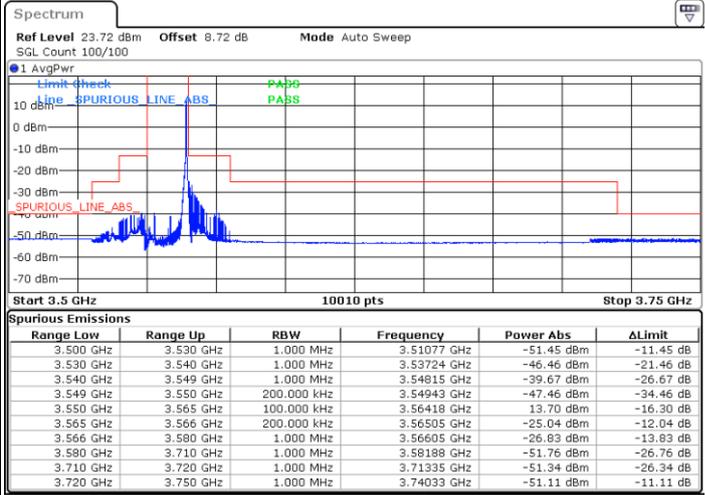
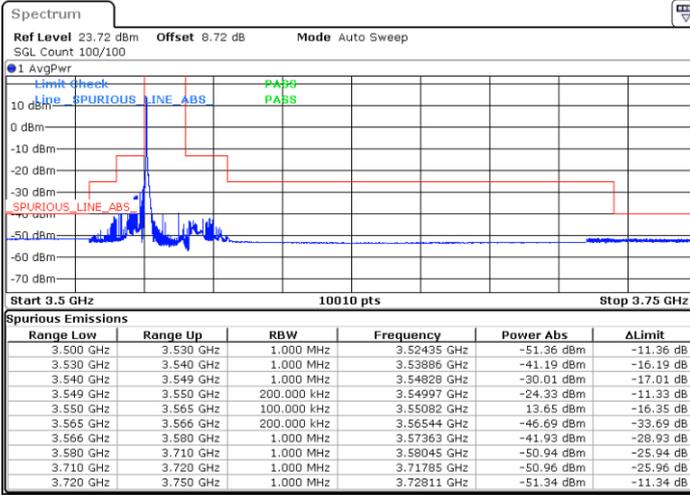


LTE Band 48 / 15MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

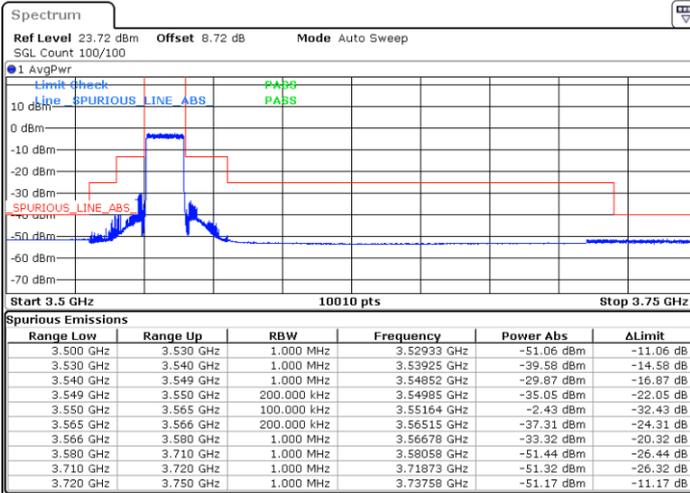


Date: 23.JUL.2024 23:18:36

Date: 23.JUL.2024 23:30:23

Lowest Channel / FullIRB

N/A



Date: 23.JUL.2024 23:42:06

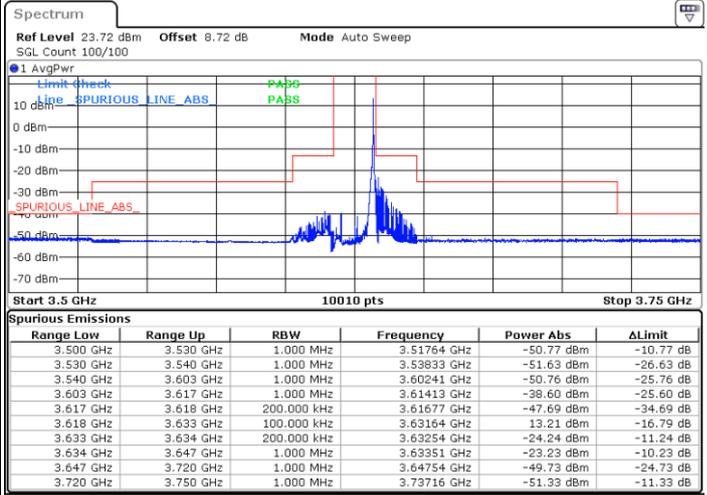
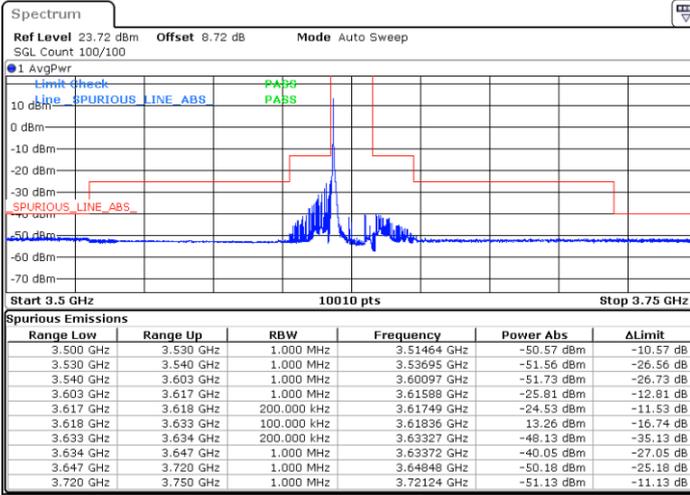


LTE Band 48 / 15MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

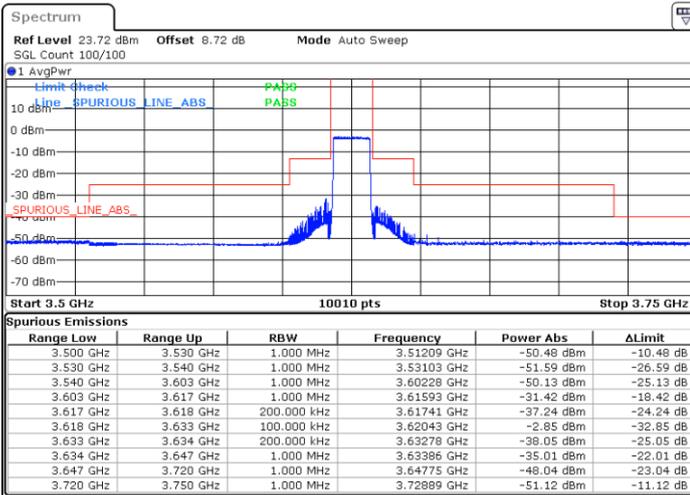


Date: 23.JUL.2024 23:53:47

Date: 24.JUL.2024 00:05:29

Middle Channel / Full

N/A



Date: 24.JUL.2024 00:17:10

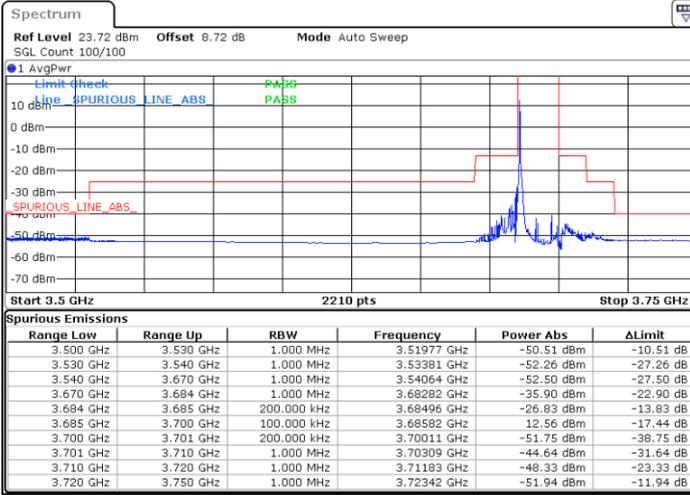


LTE Band 48 / 15MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

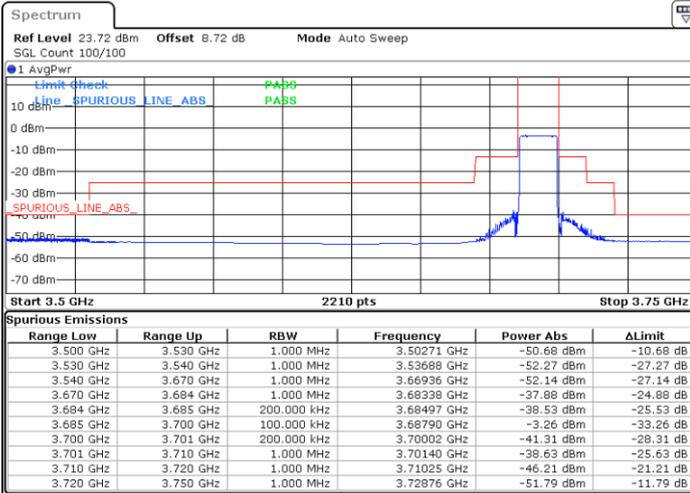


Date: 24.JUL.2024 00:29:06

Date: 24.JUL.2024 00:40:53

Highest Channel / FullIRB

N/A



Date: 24.JUL.2024 00:52:37

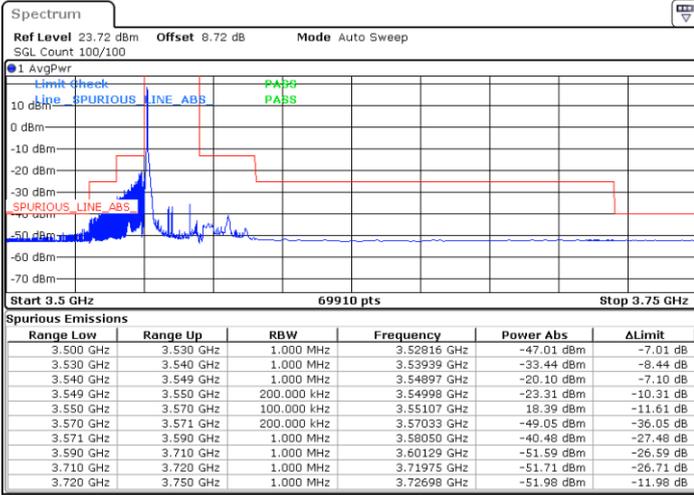


LTE Band 48 / 20MHz

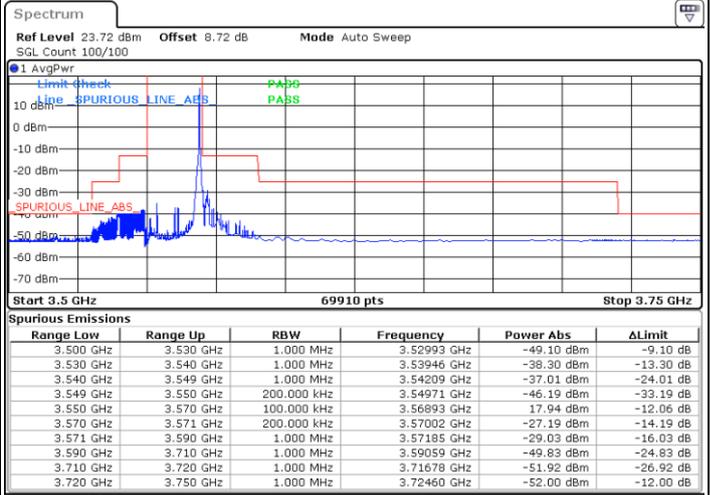
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



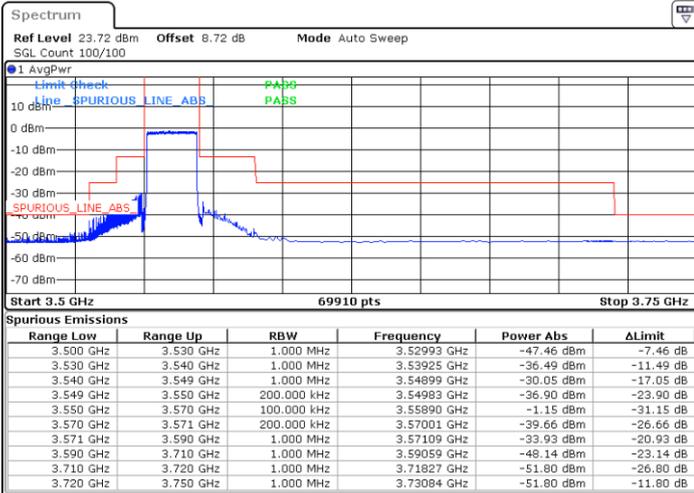
Date: 24.JUL.2024 00:56:15



Date: 24.JUL.2024 01:17:09

Lowest Channel / FullIRB

N/A



Date: 24.JUL.2024 01:28:56

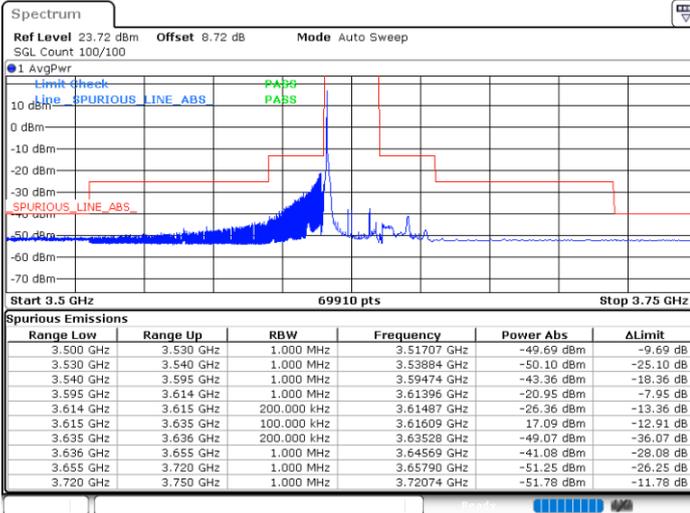


LTE Band 48 / 20MHz

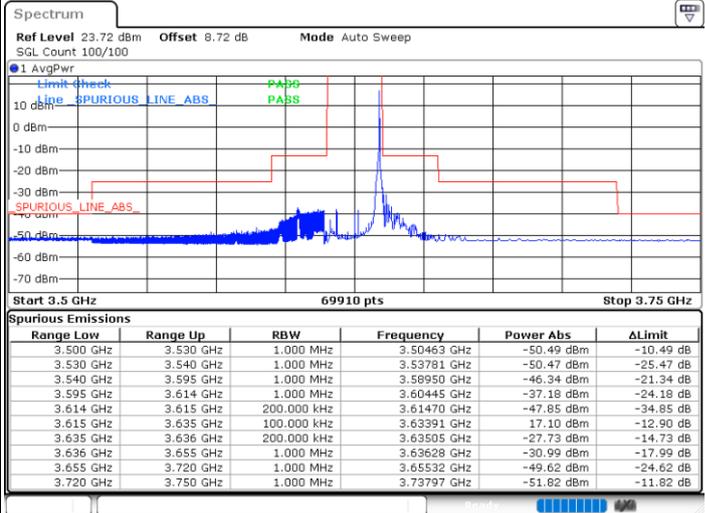
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax



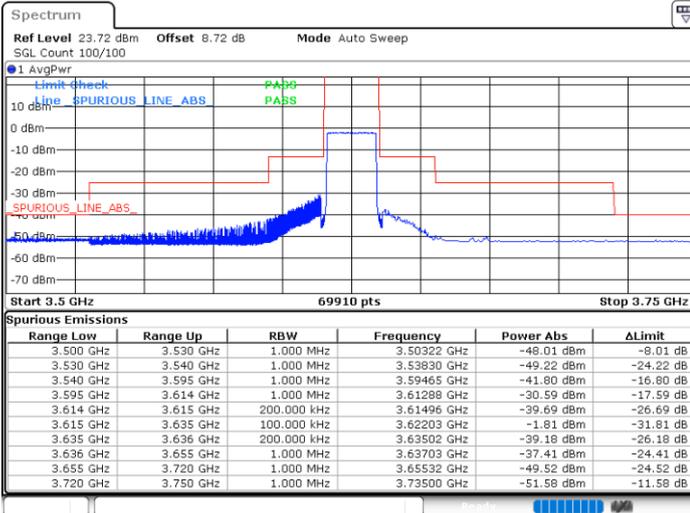
Date: 24.JUL.2024 01:40:40



Date: 24.JUL.2024 01:52:21

Middle Channel / Full

N/A



Date: 24.JUL.2024 02:04:02

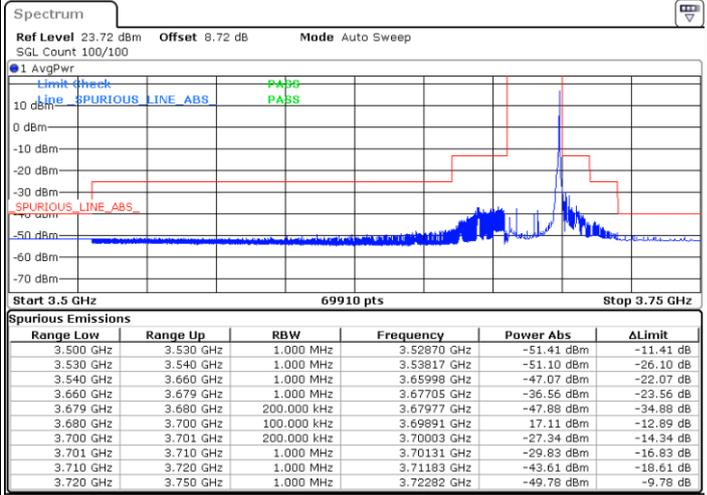
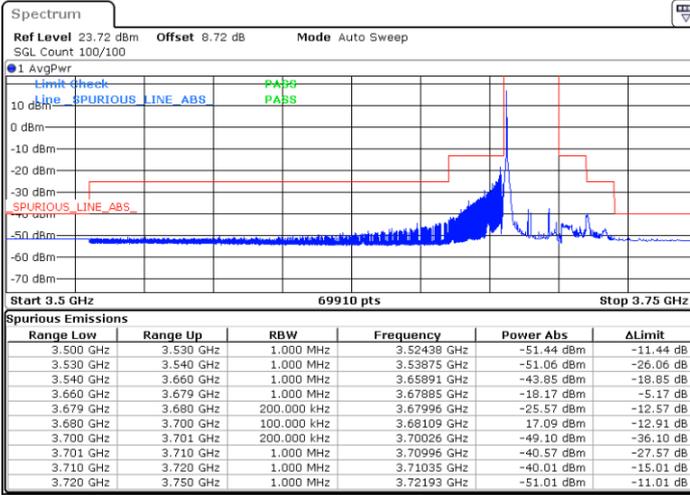


LTE Band 48 / 20MHz

QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax

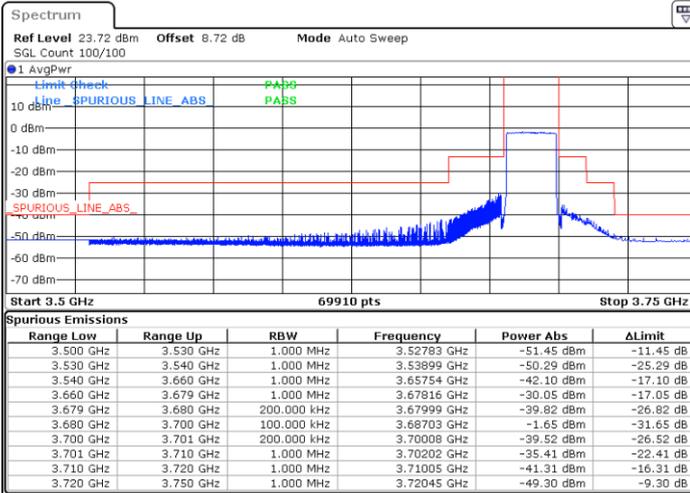


Date: 24.JUL.2024 02:15:44

Date: 24.JUL.2024 02:27:34

Highest Channel / FullIRB

N/A



Date: 24.JUL.2024 02:39:25

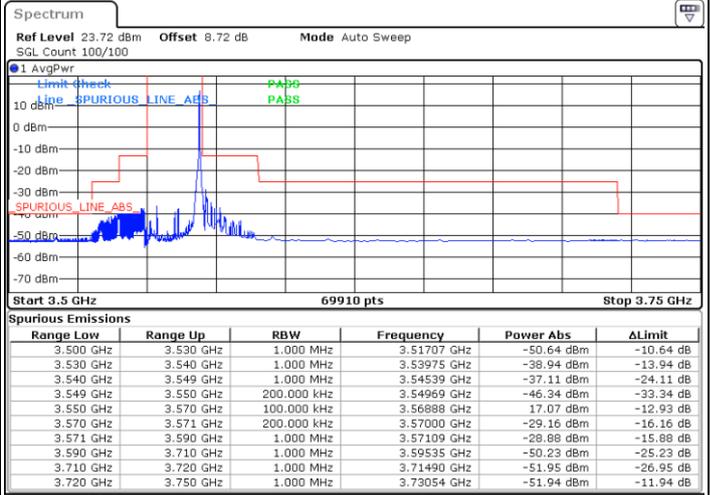
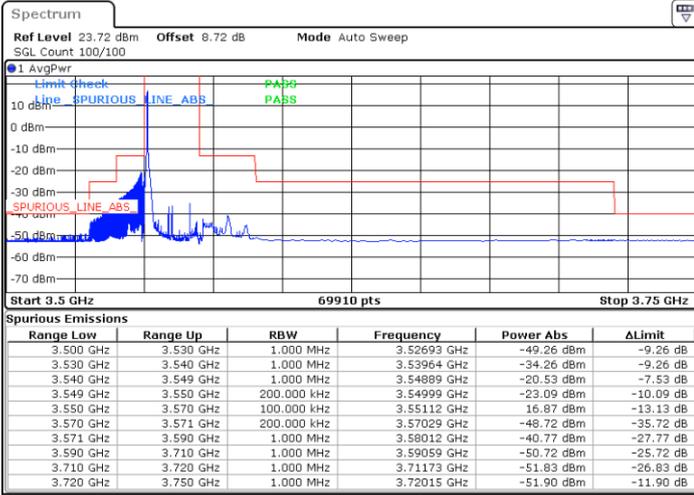


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

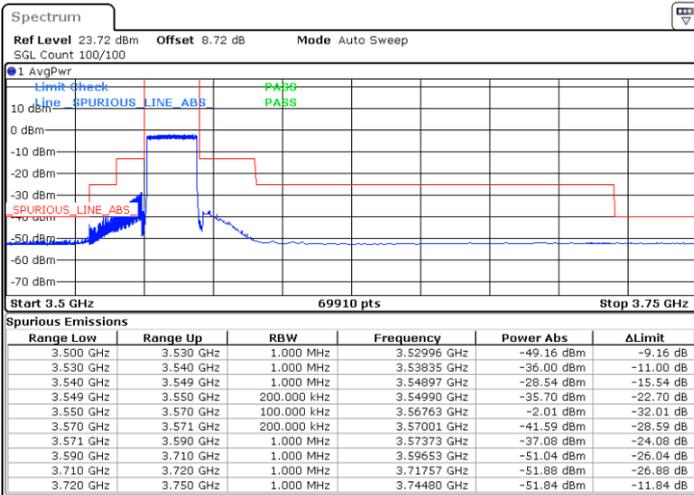


Date: 24.JUL.2024 00:59:59

Date: 24.JUL.2024 01:20:08

Lowest Channel / FullIRB

N/A



Date: 24.JUL.2024 01:31:52

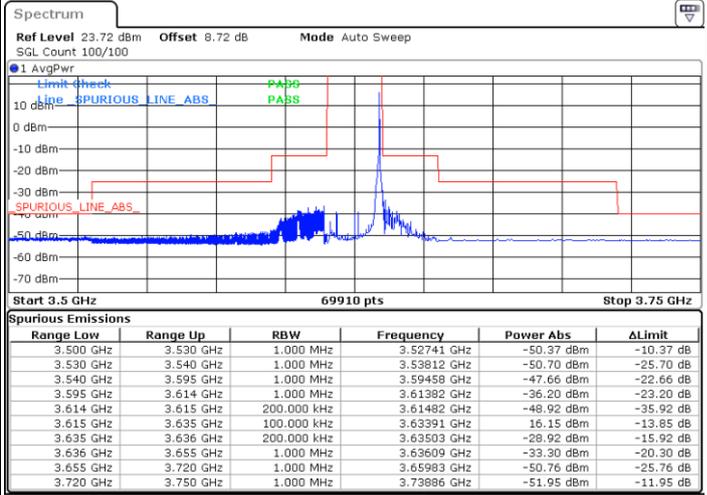
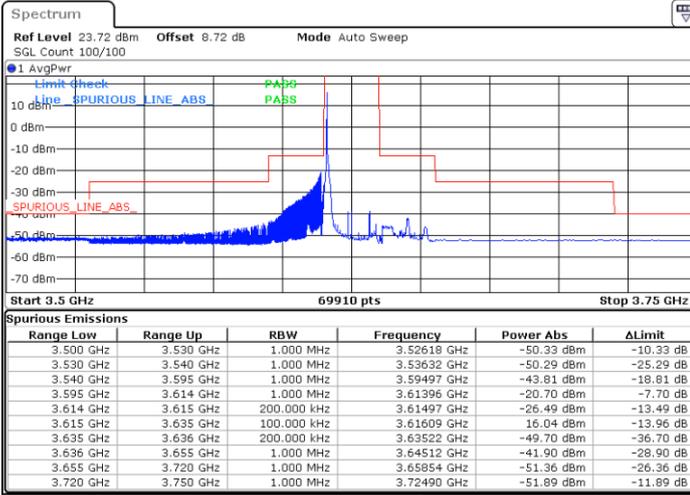


LTE Band 48 / 20MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

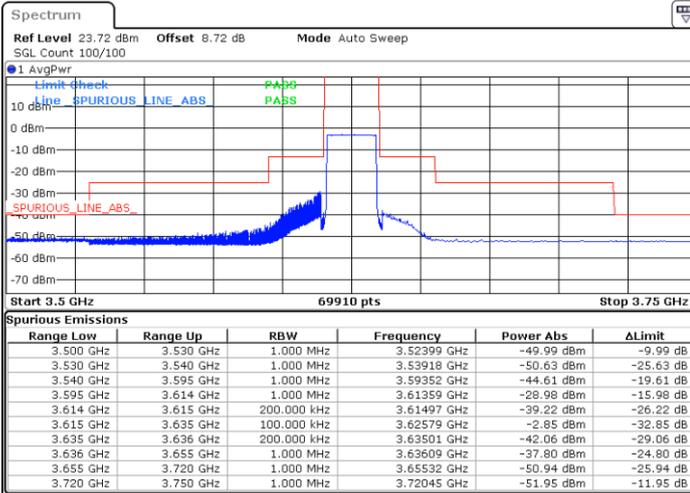


Date: 24.JUL.2024 01:43:35

Date: 24.JUL.2024 01:55:16

Middle Channel / Full

N/A



Date: 24.JUL.2024 02:06:58

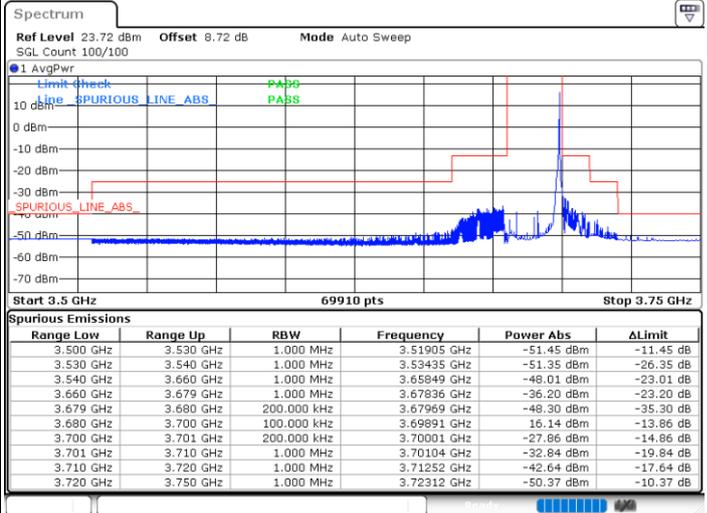
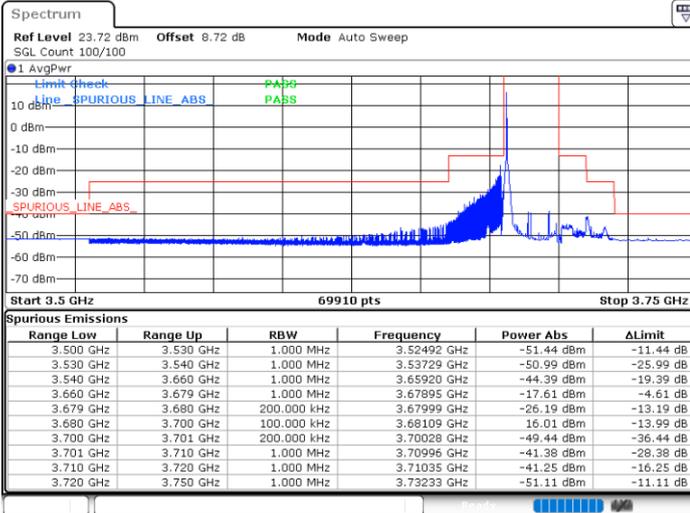


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

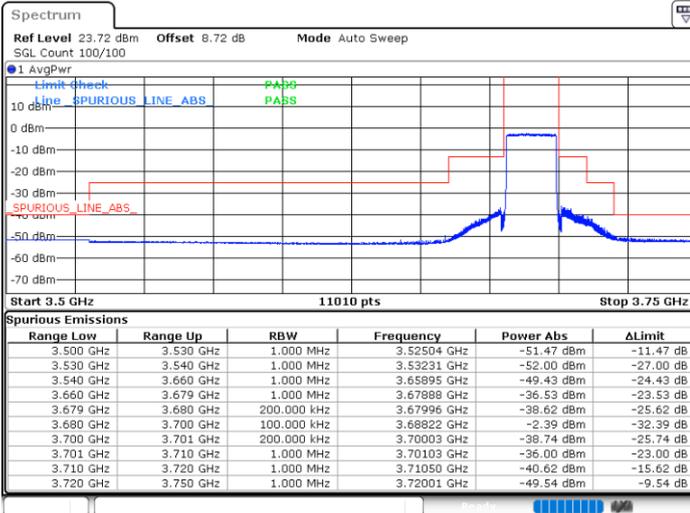


Date: 24.JUL.2024 02:18:47

Date: 24.JUL.2024 02:30:37

Highest Channel / FullIRB

N/A



Date: 24.JUL.2024 02:54:14

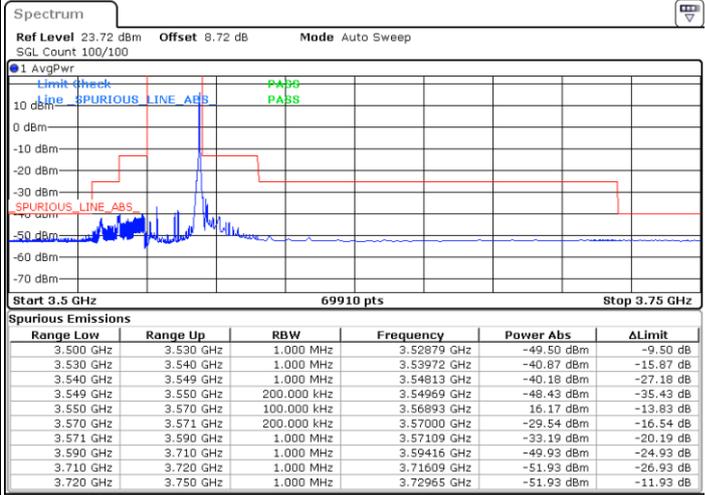
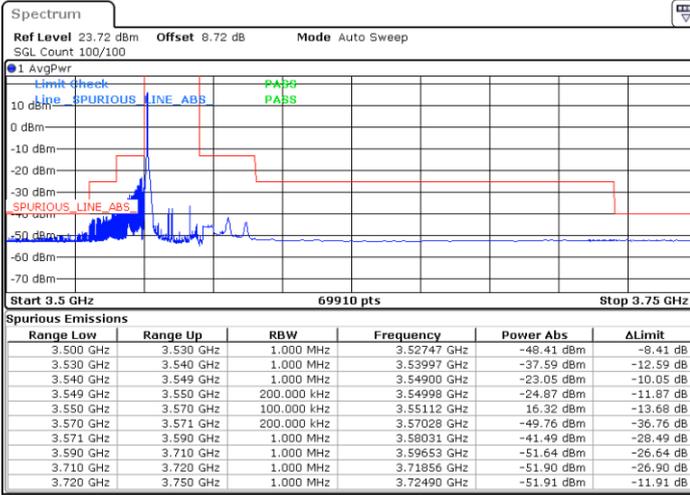


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

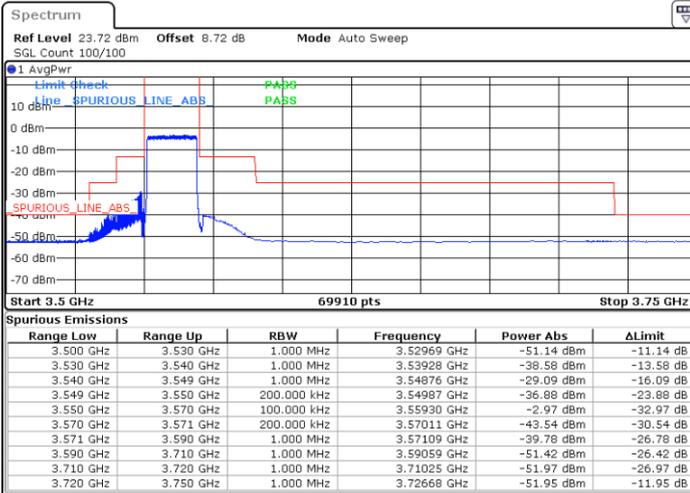


Date: 24.JUL.2024 01:02:55

Date: 24.JUL.2024 01:23:04

Lowest Channel / FullIRB

N/A



Date: 24.JUL.2024 01:34:48

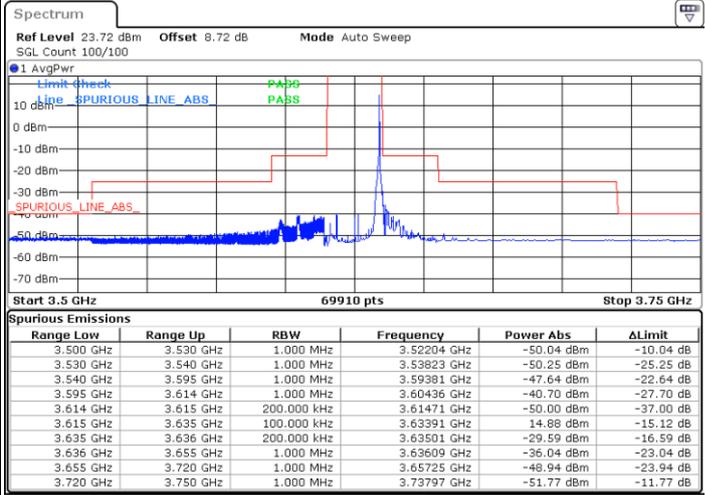
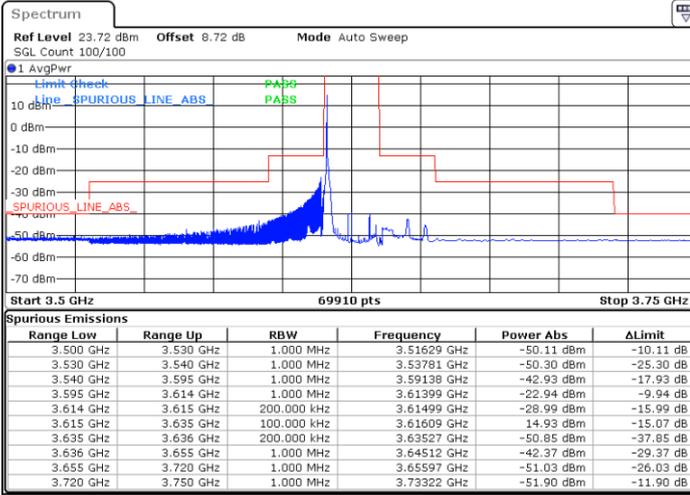


LTE Band 48 / 20MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

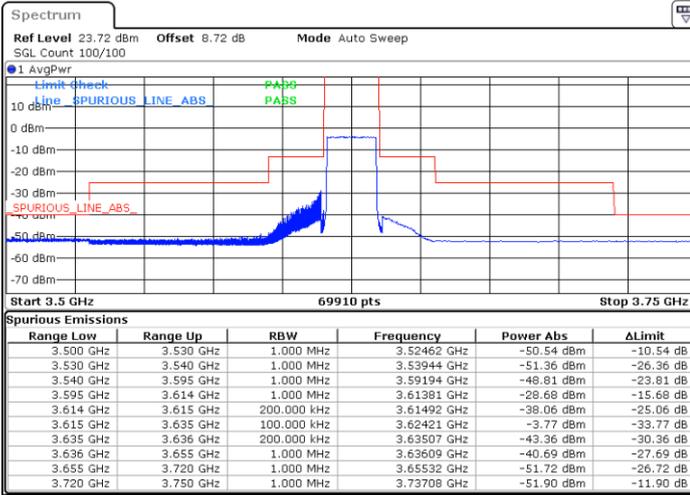


Date: 24.JUL.2024 01:46:30

Date: 24.JUL.2024 01:58:12

Middle Channel / Full

N/A



Date: 24.JUL.2024 02:09:53

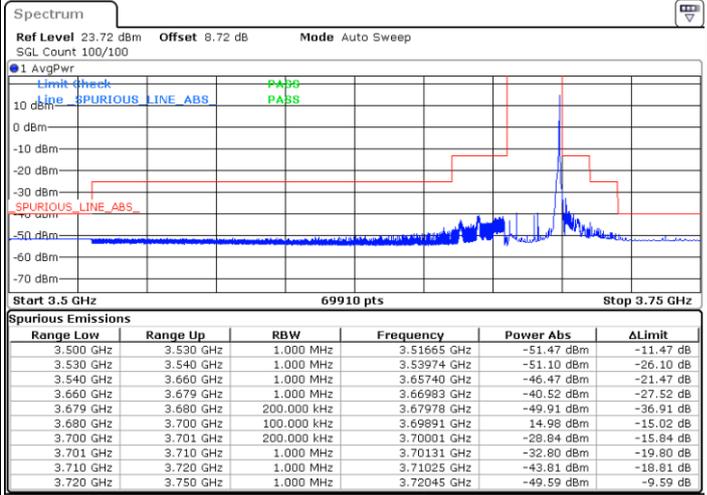
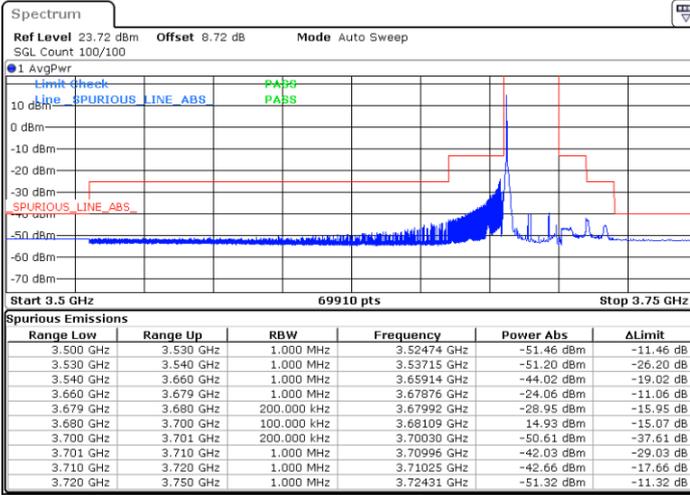


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

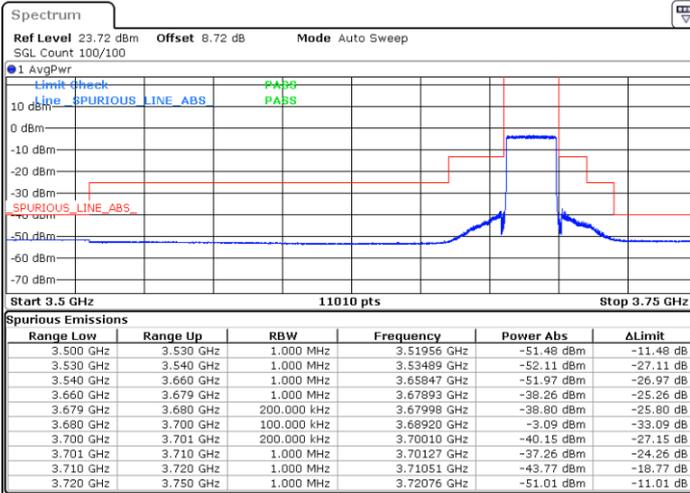


Date: 24.JUL.2024 02:21:42

Date: 24.JUL.2024 02:33:33

Highest Channel / FullIRB

N/A



Date: 24.JUL.2024 02:56:00

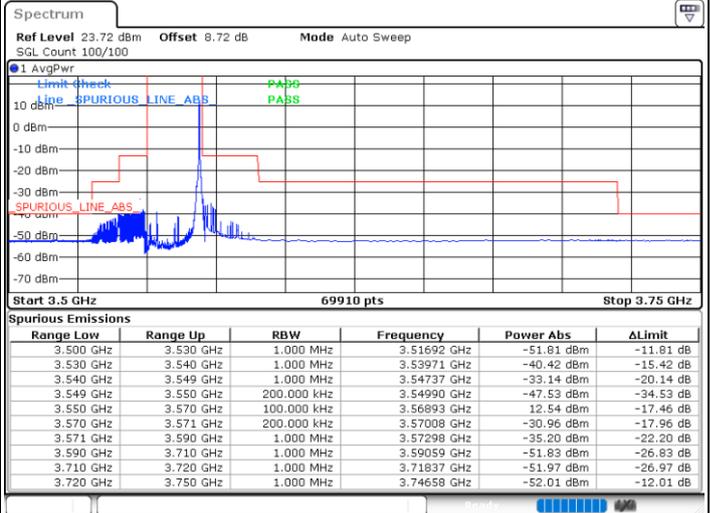
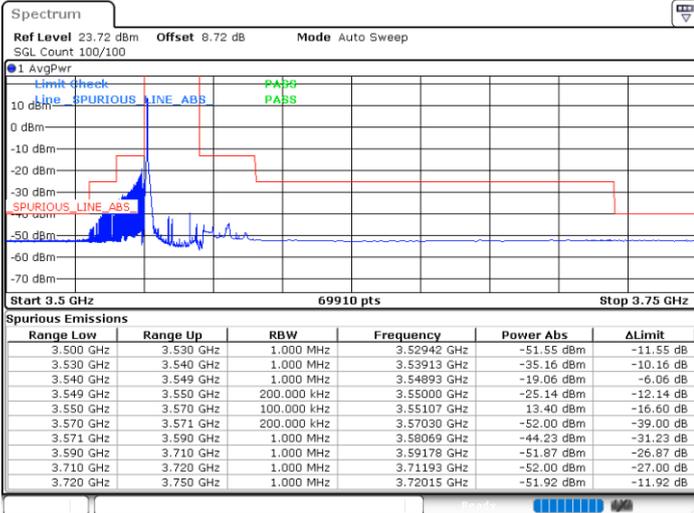


LTE Band 48 / 20MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

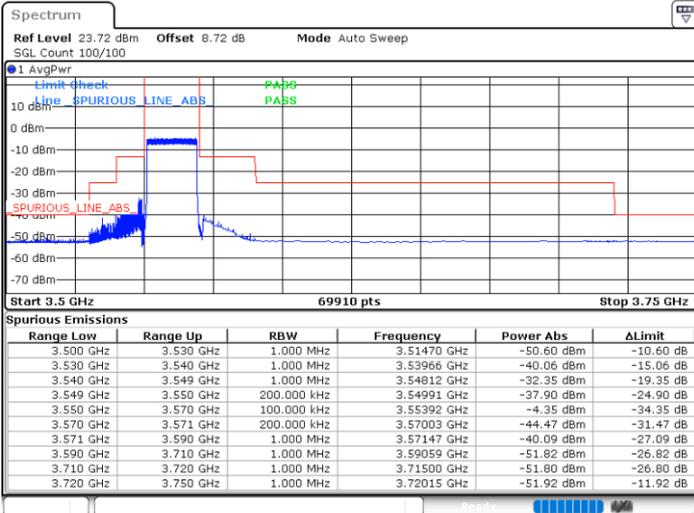


Date: 24.JUL.2024 01:05:51

Date: 24.JUL.2024 01:26:00

Lowest Channel / FullIRB

N/A



Date: 24.JUL.2024 01:37:44

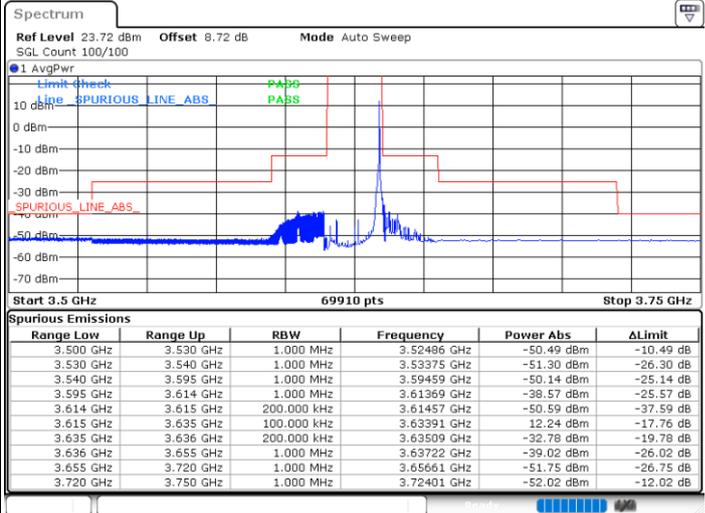
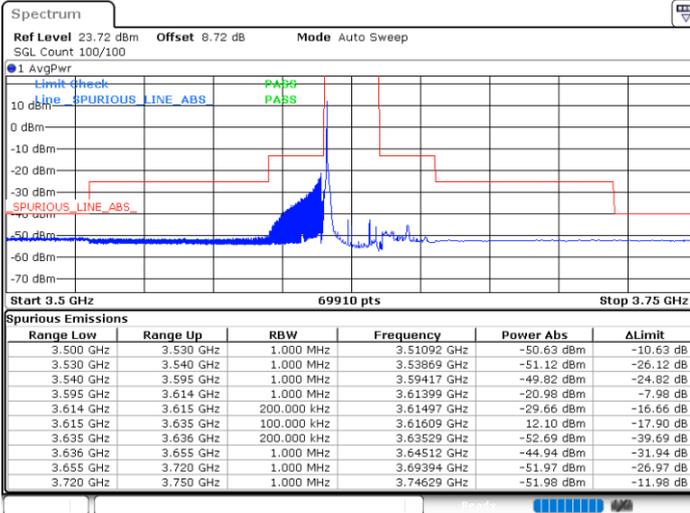


LTE Band 48 / 20MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

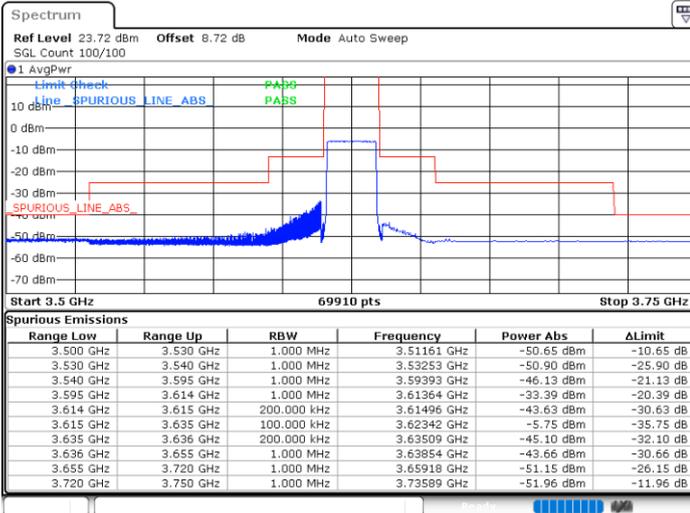


Date: 24.JUL.2024 01:49:26

Date: 24.JUL.2024 02:01:07

Middle Channel / Full

N/A



Date: 24.JUL.2024 02:12:48

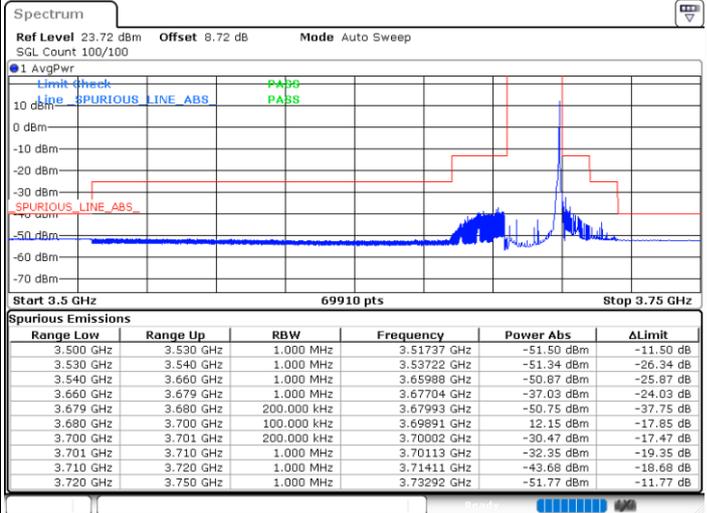
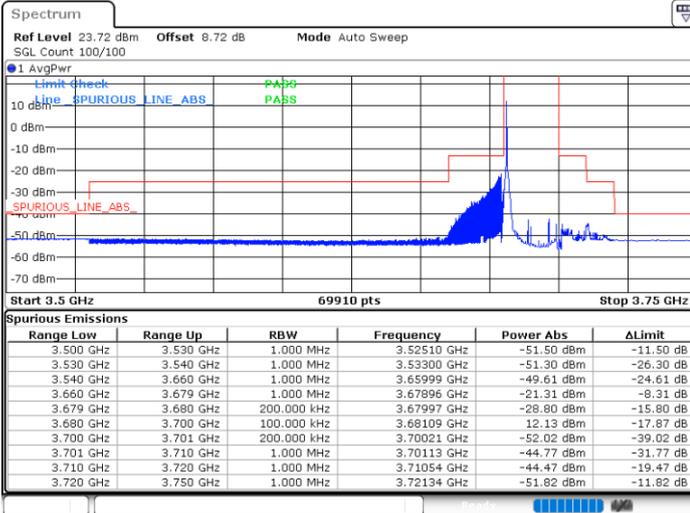


LTE Band 48 / 20MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

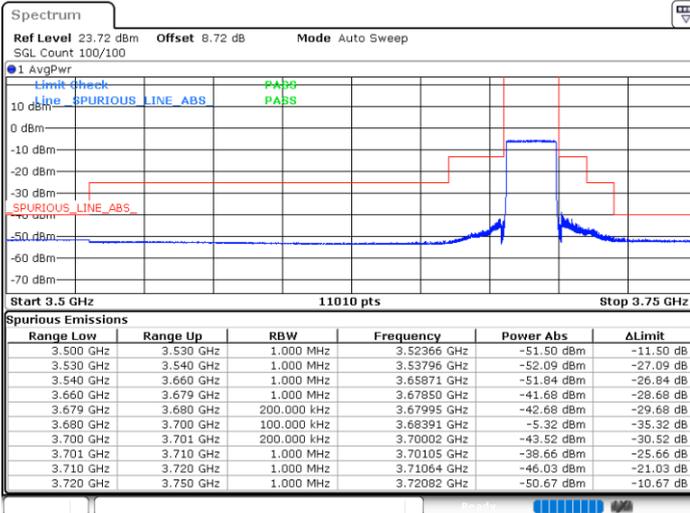


Date: 24.JUL.2024 02:24:38

Date: 24.JUL.2024 02:36:29

Highest Channel / FullIRB

N/A



Date: 24.JUL.2024 02:57:46



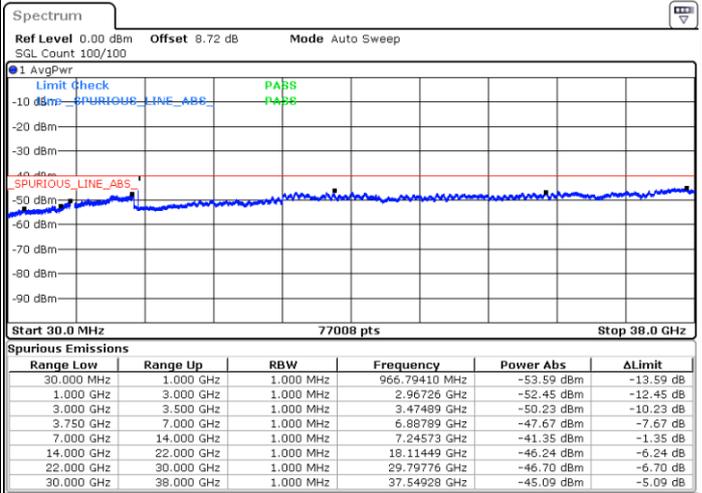
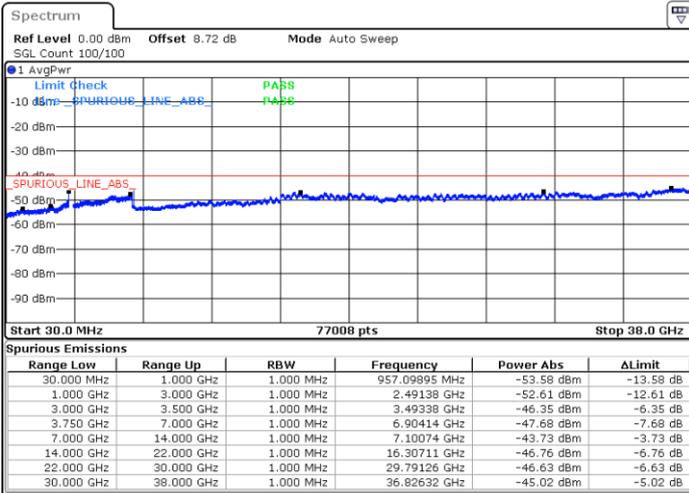
Conducted Spurious Emission

LTE Band 48 / 5MHz

QPSK / 1RB0

Lowest Channel

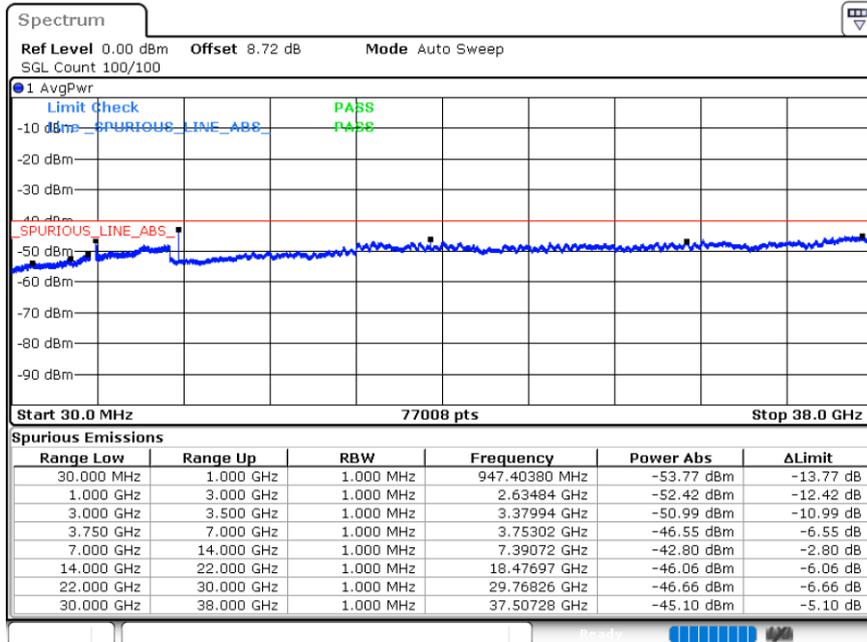
Middle Channel



Date: 23.JUL.2024 18:14:16

Date: 23.JUL.2024 22:32:21

Highest Channel



Date: 23.JUL.2024 19:08:00

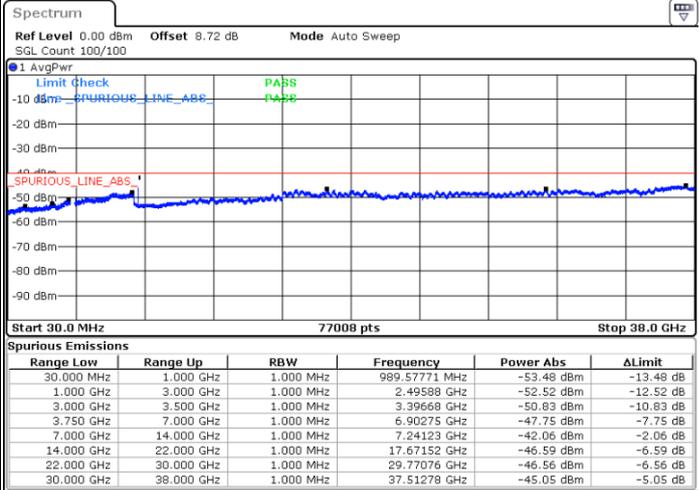
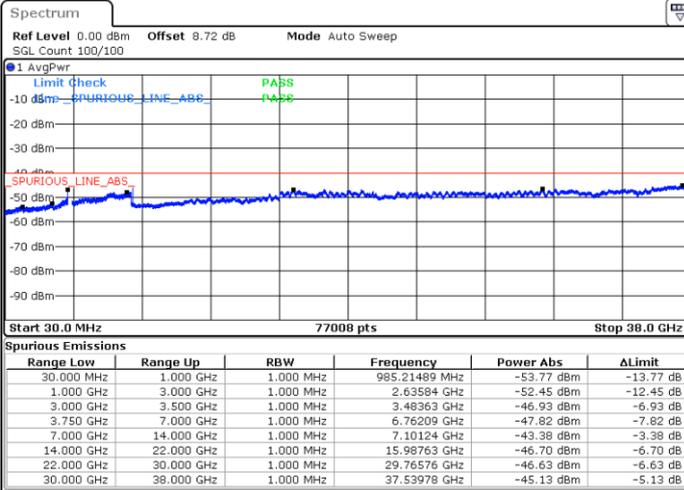


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

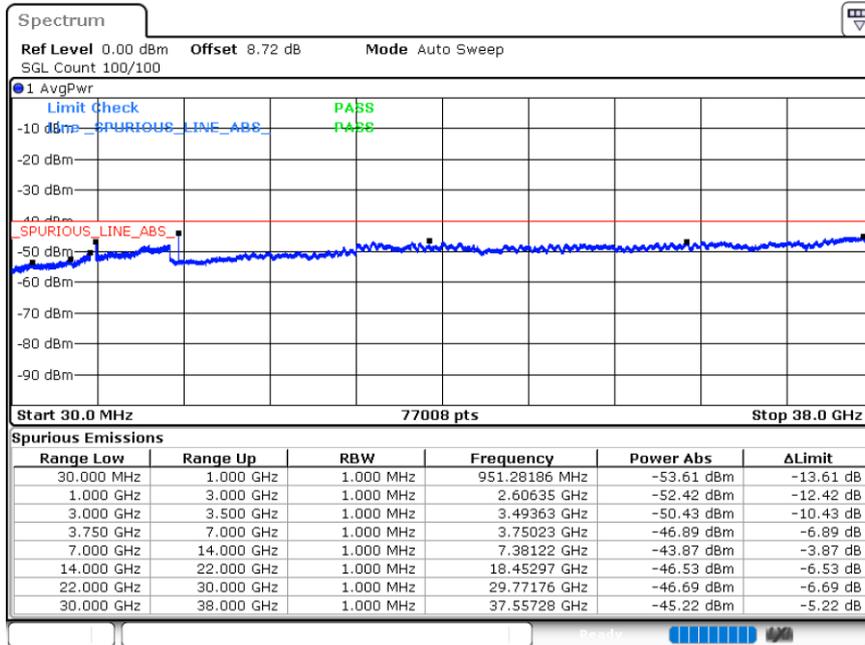
Middle Channel



Date: 24.JUL.2024 03:17:22

Date: 24.JUL.2024 04:21:24

Highest Channel



Date: 23.JUL.2024 20:14:46

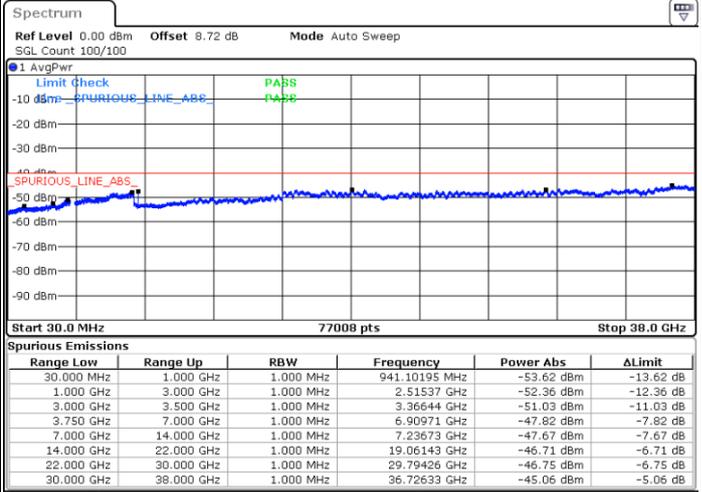
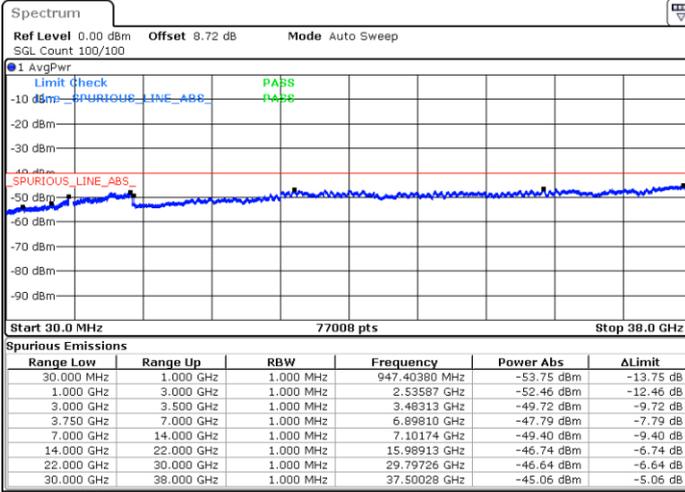


LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

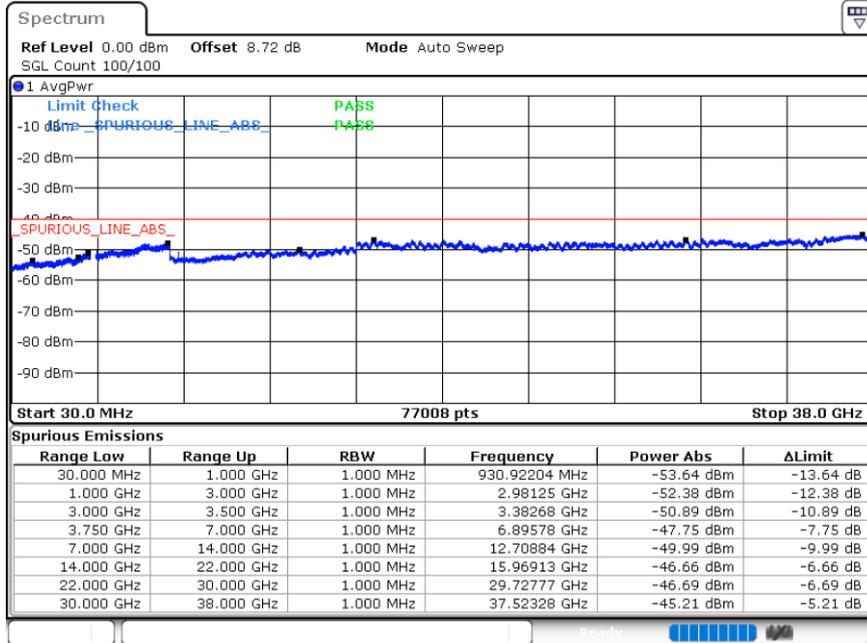
Middle Channel



Date: 24.JUL.2024 03:20:54

Date: 24.JUL.2024 03:22:24

Highest Channel



Date: 24.JUL.2024 03:23:53

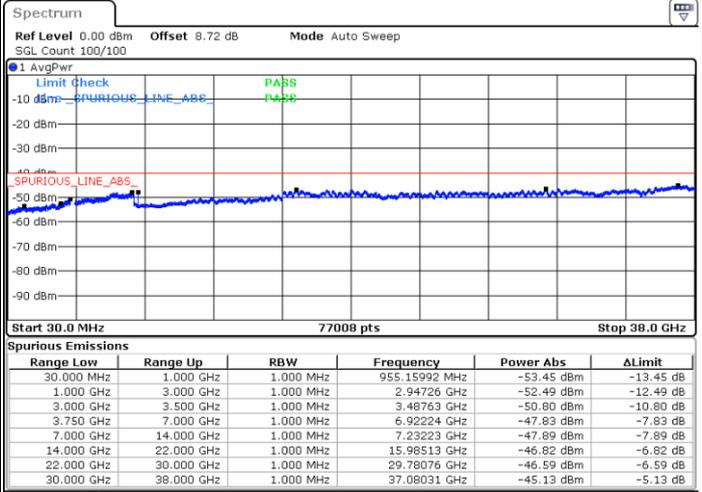
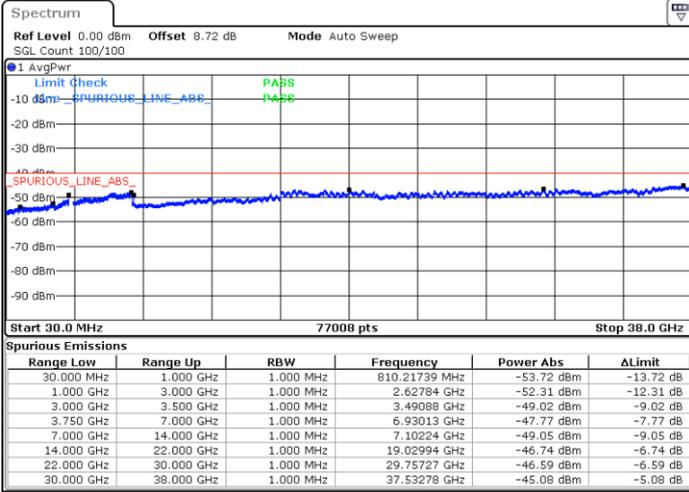


LTE Band 48 / 20MHz

QPSK / 1RB0

Lowest Channel

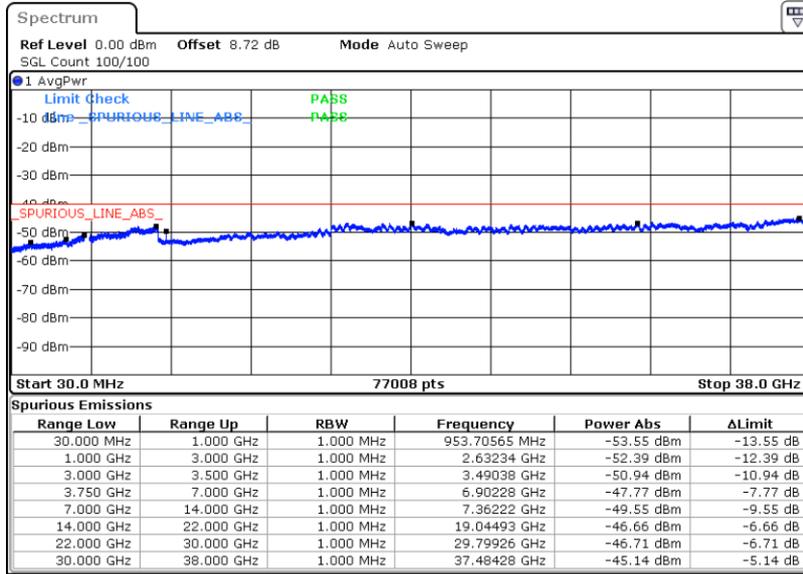
Middle Channel



Date: 24.JUL.2024 03:30:36

Date: 24.JUL.2024 03:29:06

Highest Channel



Date: 24.JUL.2024 03:32:09



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	0.0018	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0049	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.6 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 :	Bruce	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 / Ant.3								
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	-47.27	-40	-7.27	-58.73	2.84	14.30	H
	10850	-50.64	-40	-10.64	-60.58	3.49	13.43	H
	14469	-52.29	-40	-12.29	-62.53	3.85	14.09	H
	7231	-51.38	-40	-11.38	-62.84	2.84	14.30	V
	10850	-57.62	-40	-17.62	-67.56	3.49	13.43	V
	14469	-58.30	-40	-18.30	-68.54	3.85	14.09	V

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