

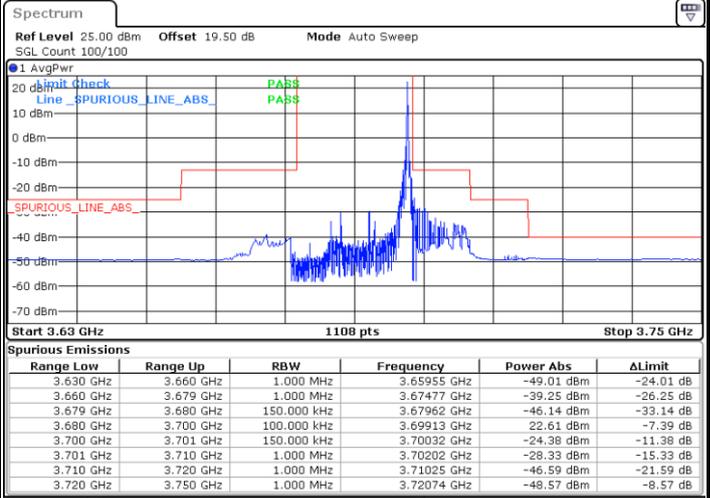
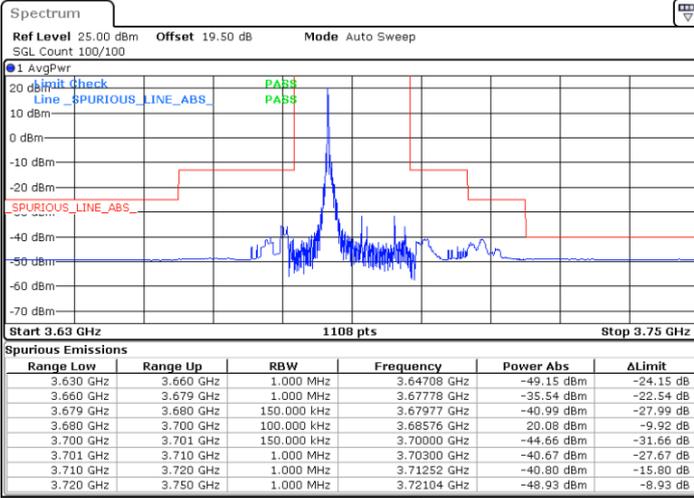


LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

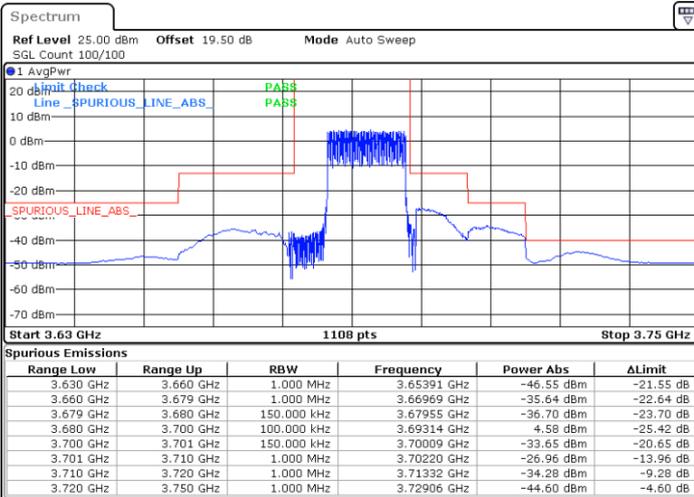


Date: 12.OCT.2024 08:50:17

Date: 12.OCT.2024 08:53:57

Highest Channel / FullRB

N/A



Date: 12.OCT.2024 08:57:37

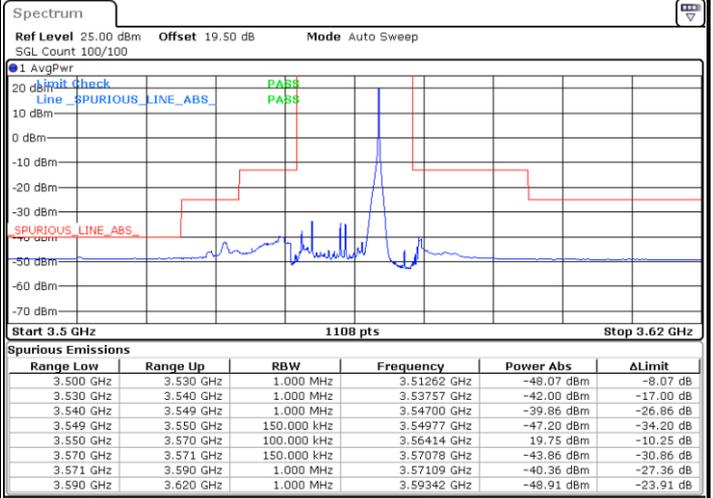
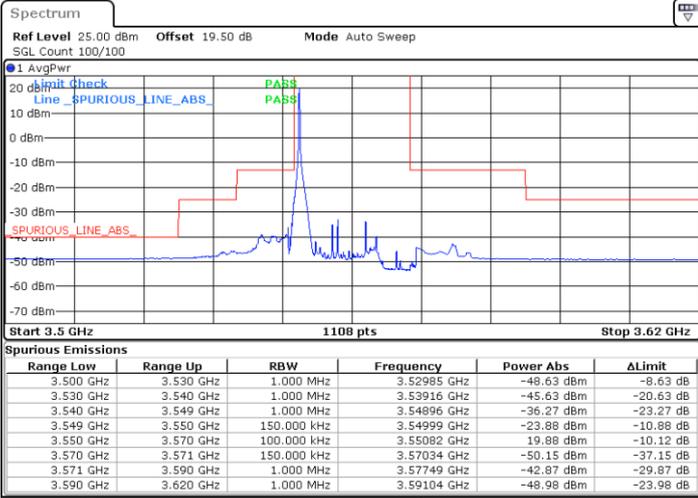


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

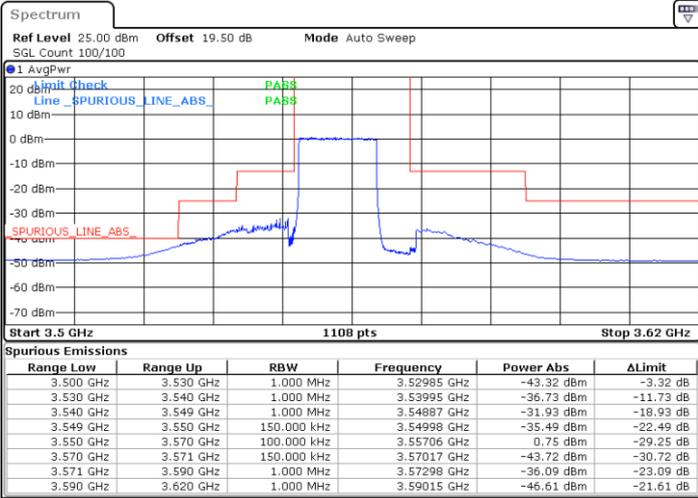


Date: 11.OCT.2024 17:56:08

Date: 11.OCT.2024 18:02:12

Lowest Channel / FullIRB

N/A



Date: 11.OCT.2024 18:03:24

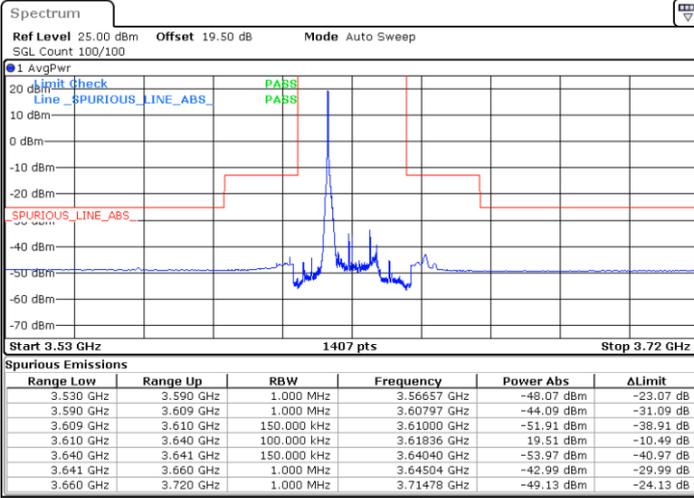


LTE Band 48 / 15MHz

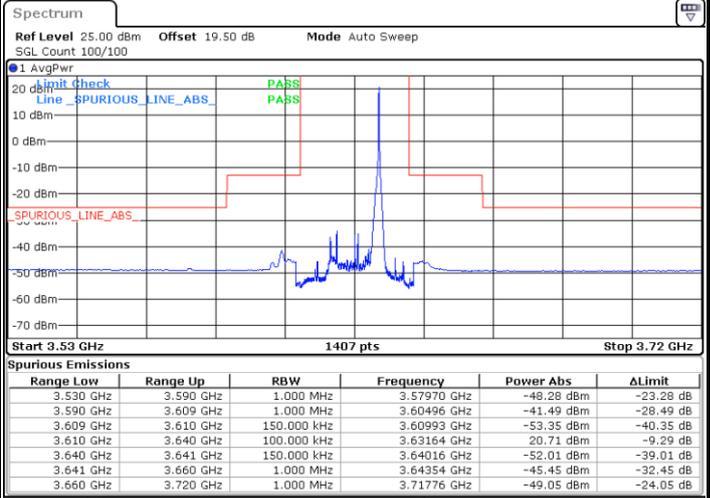
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



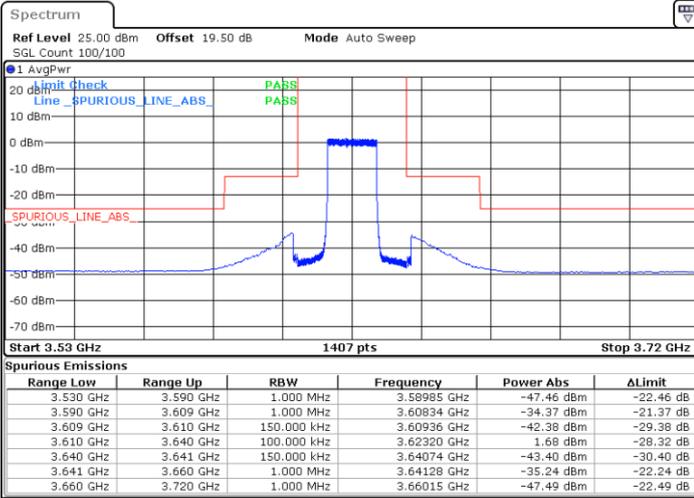
Date: 12.OCT.2024 10:14:30



Date: 12.OCT.2024 10:23:22

Middle Channel / FullIRB

N/A



Date: 12.OCT.2024 10:12:22

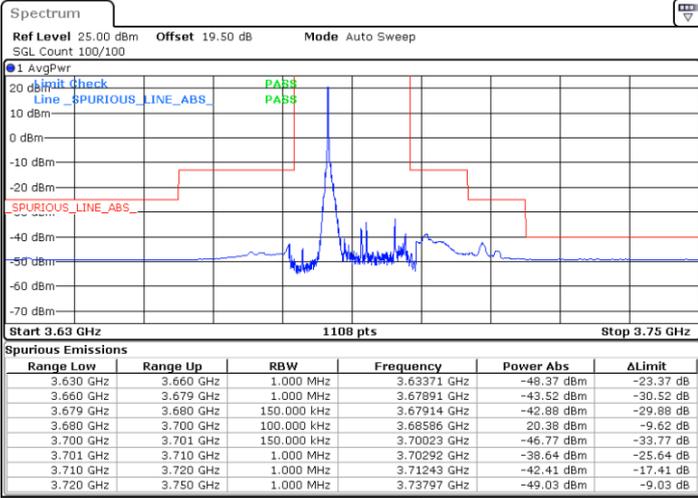


LTE Band 48 / 15MHz

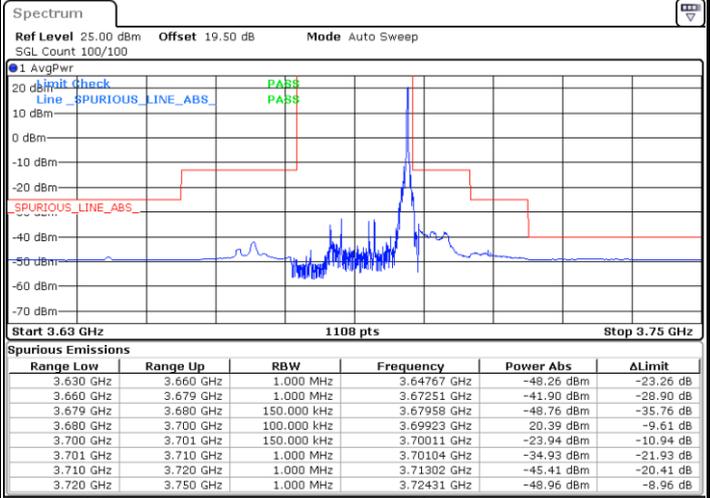
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



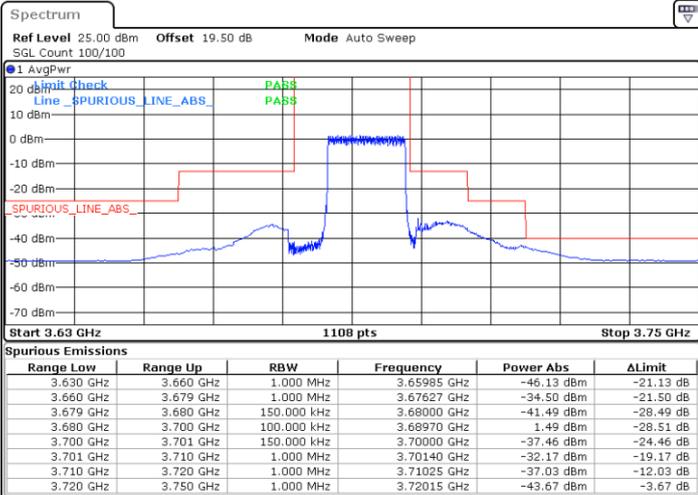
Date: 12.OCT.2024 08:49:04



Date: 12.OCT.2024 08:55:11

Highest Channel / FullRB

N/A



Date: 12.OCT.2024 08:56:24

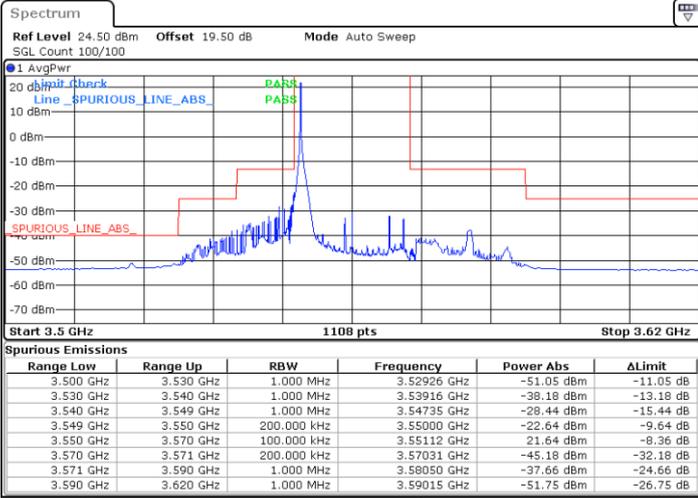


LTE Band 48 / 20MHz

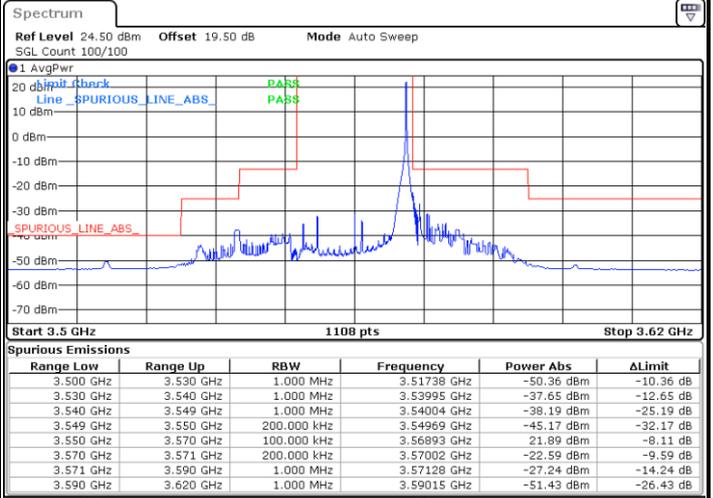
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



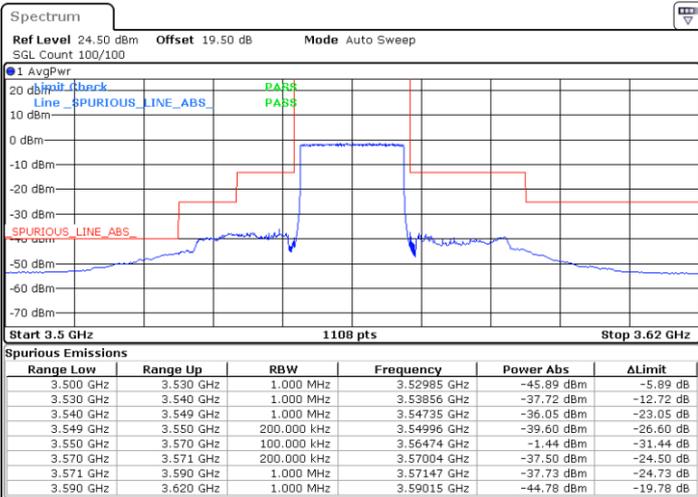
Date: 12.OCT.2024 09:03:36



Date: 12.OCT.2024 09:09:38

Lowest Channel / FullIRB

N/A



Date: 17.OCT.2024 10:18:41

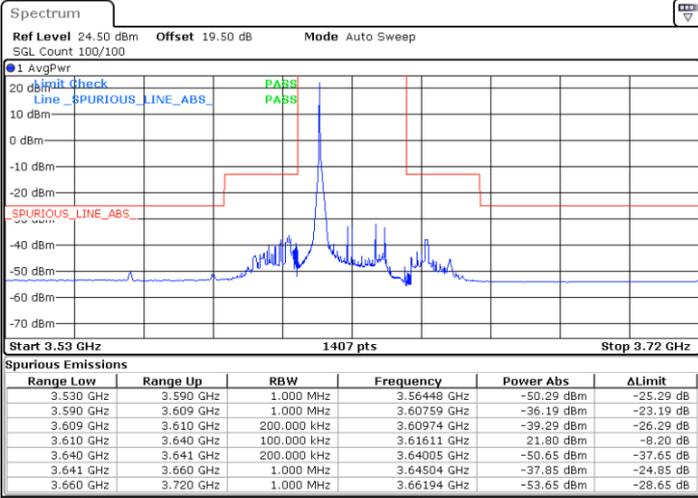


LTE Band 48 / 20MHz

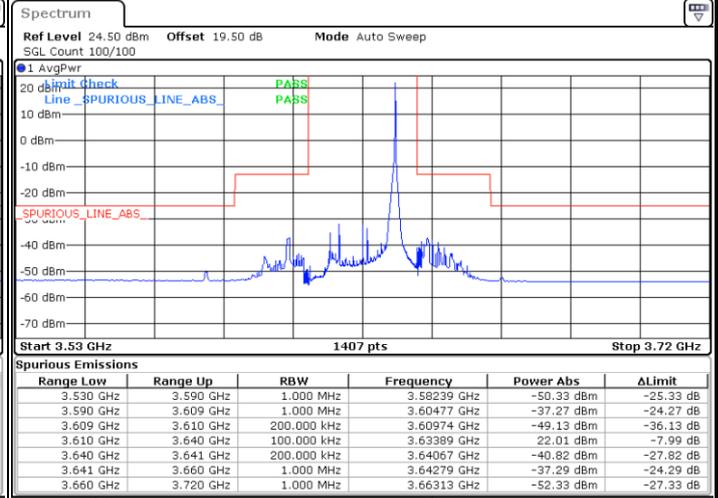
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax



Date: 12.OCT.2024 09:26:58



Date: 12.OCT.2024 09:35:10

Middle Channel / FullRB

N/A



Date: 12.OCT.2024 09:33:35

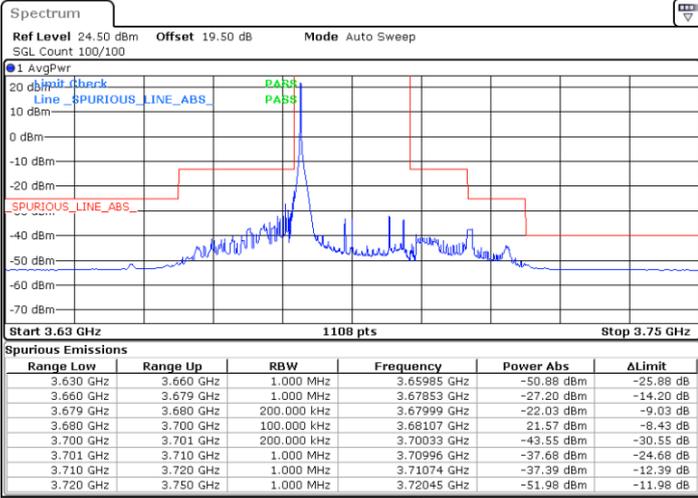


LTE Band 48 / 20MHz

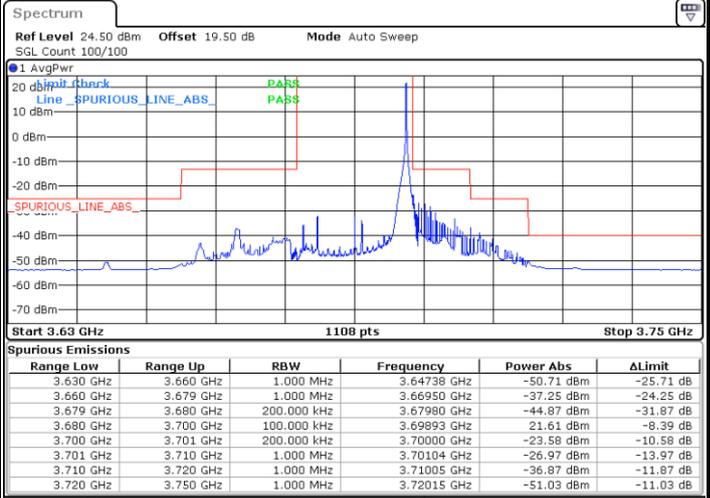
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax



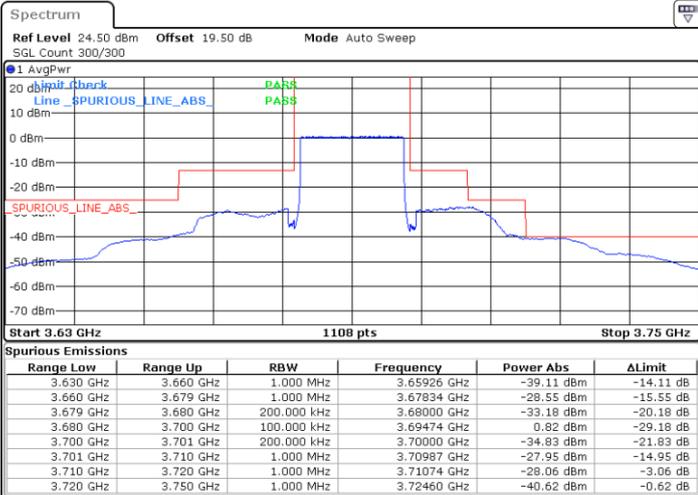
Date: 12.OCT.2024 09:48:31



Date: 12.OCT.2024 09:57:11

Highest Channel / FullRB

N/A



Date: 14.OCT.2024 08:57:08

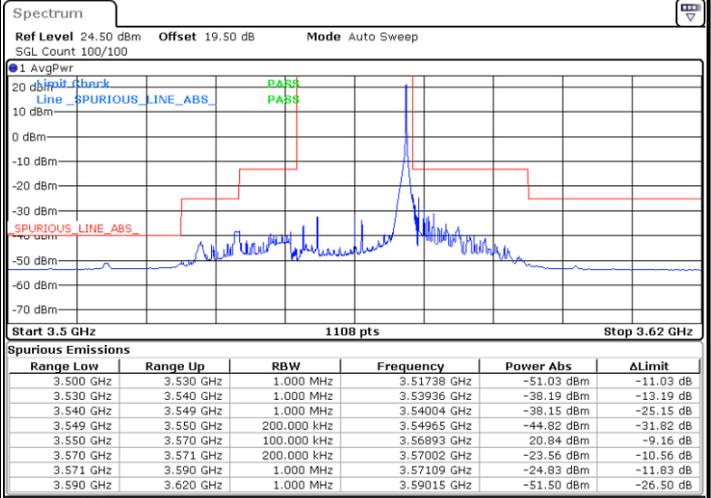
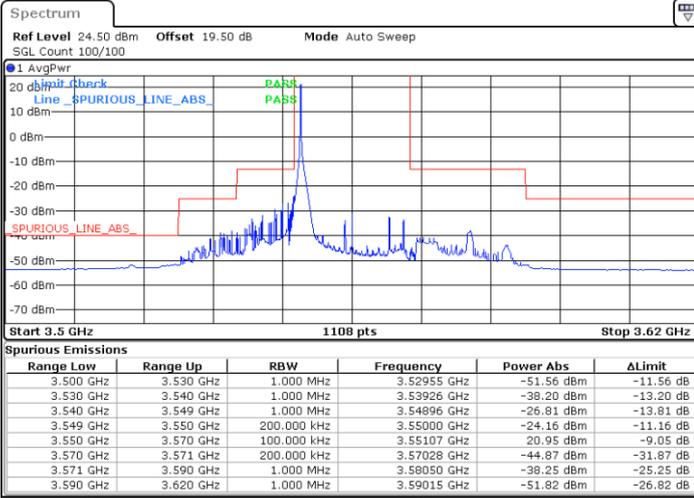


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

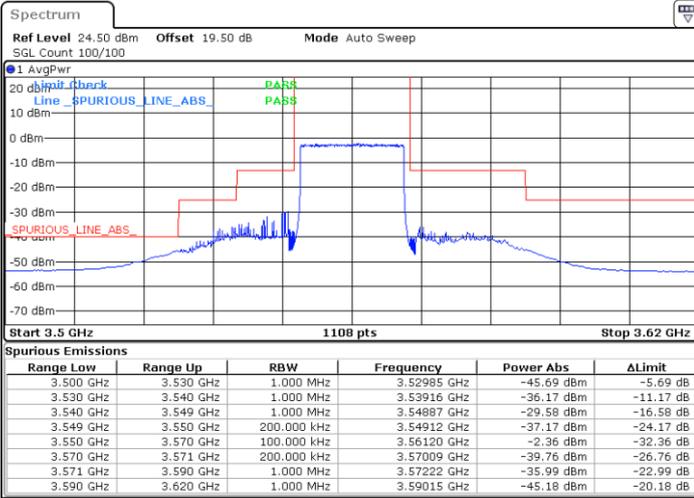


Date: 12.OCT.2024 09:04:49

Date: 12.OCT.2024 09:08:26

Lowest Channel / FullIRB

N/A



Date: 17.OCT.2024 10:20:16

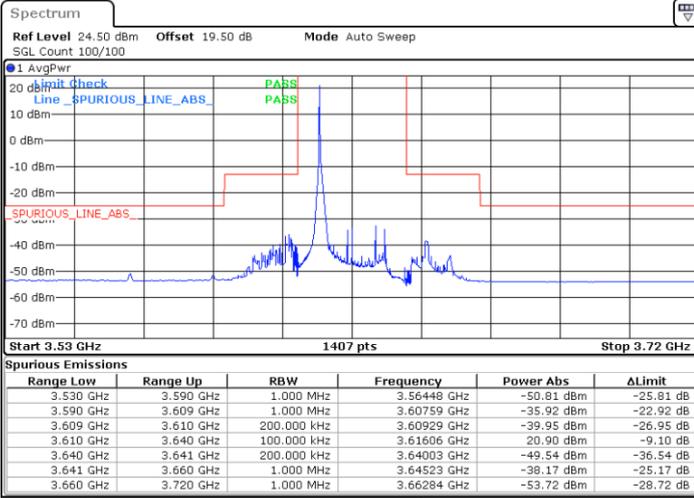


LTE Band 48 / 20MHz

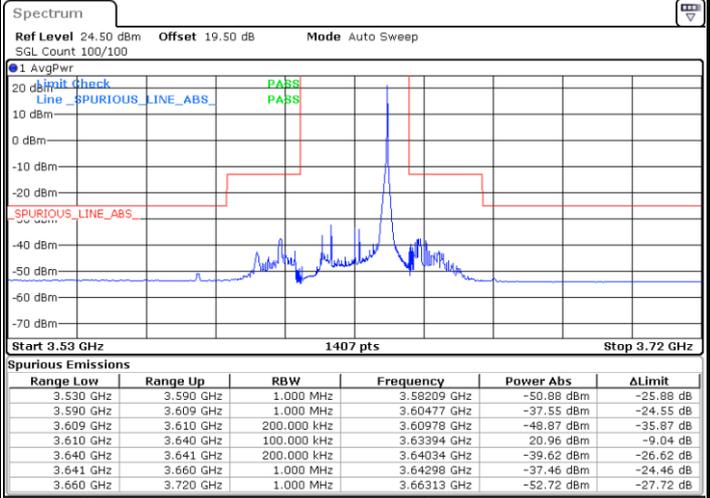
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



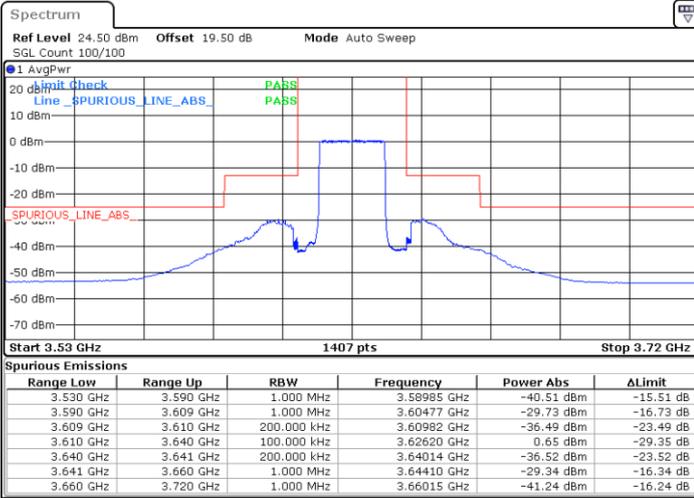
Date: 12.OCT.2024 09:41:27



Date: 12.OCT.2024 09:36:44

Middle Channel / FullIRB

N/A



Date: 12.OCT.2024 09:32:01



LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

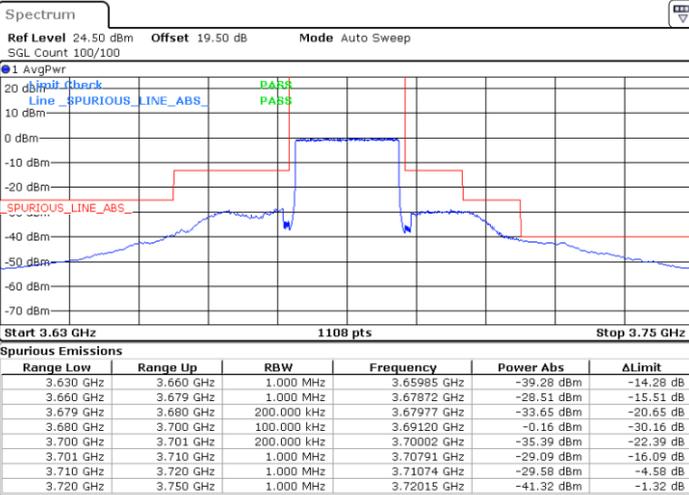


Date: 12.OCT.2024 09:50:08

Date: 12.OCT.2024 09:55:59

Highest Channel / FullRB

N/A



Date: 12.OCT.2024 17:21:32

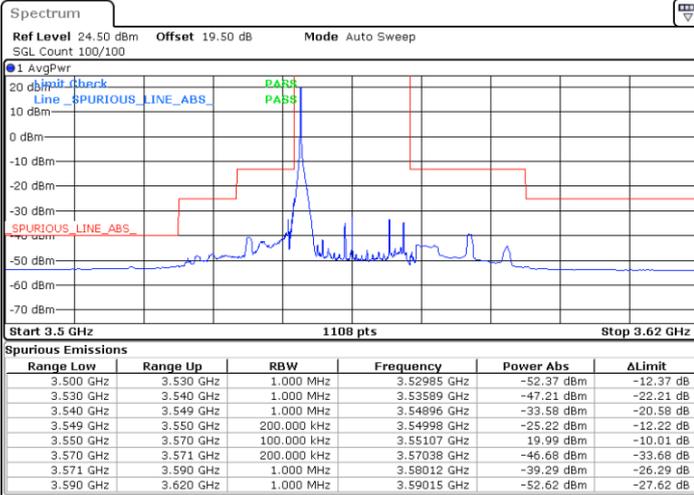


LTE Band 48 / 20MHz

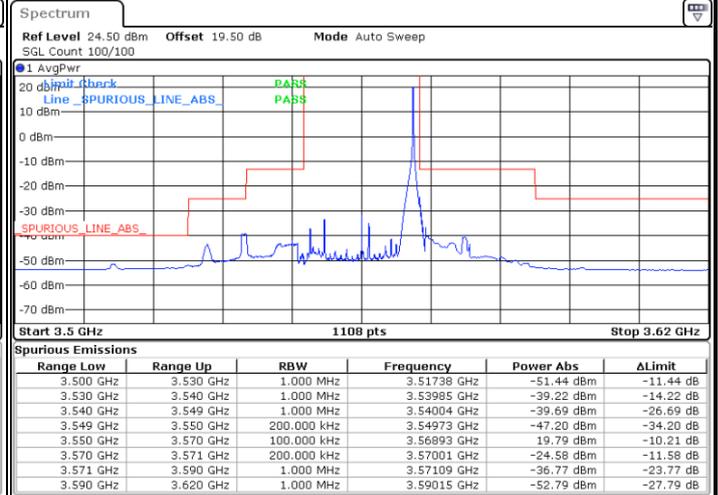
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



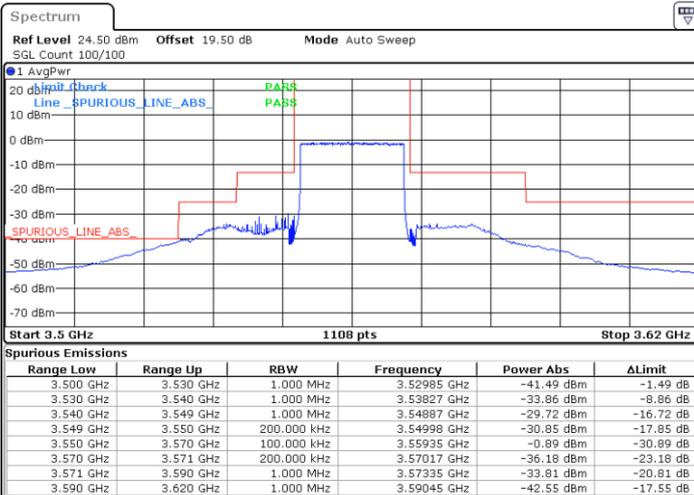
Date: 12.OCT.2024 09:06:01



Date: 12.OCT.2024 09:07:14

Lowest Channel / FullIRB

N/A



Date: 12.OCT.2024 17:12:46

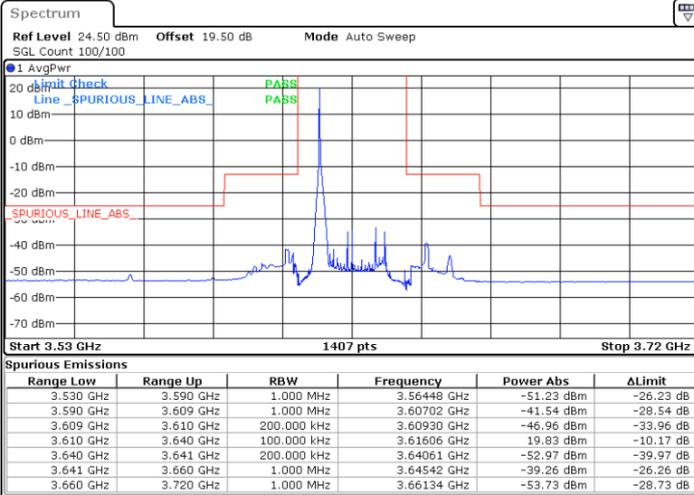


LTE Band 48 / 20MHz

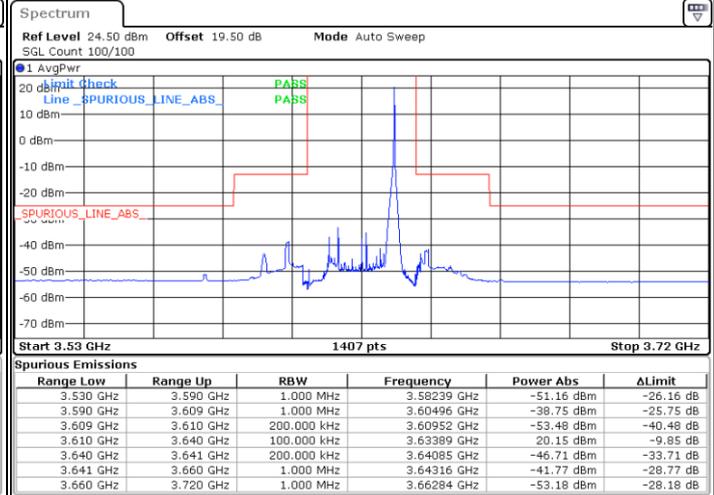
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



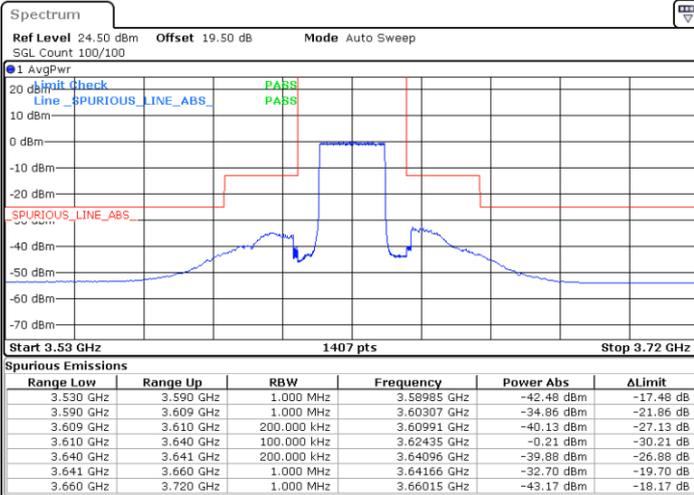
Date: 12.OCT.2024 09:39:52



Date: 12.OCT.2024 09:38:18

Middle Channel / FullIRB

N/A



Date: 12.OCT.2024 09:30:27

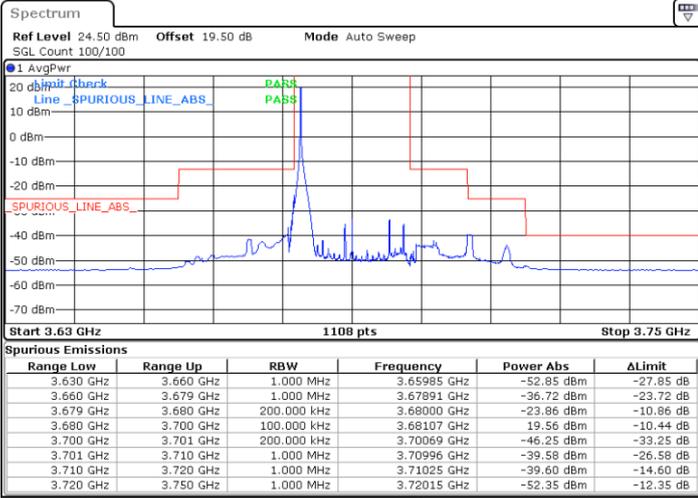


LTE Band 48 / 20MHz

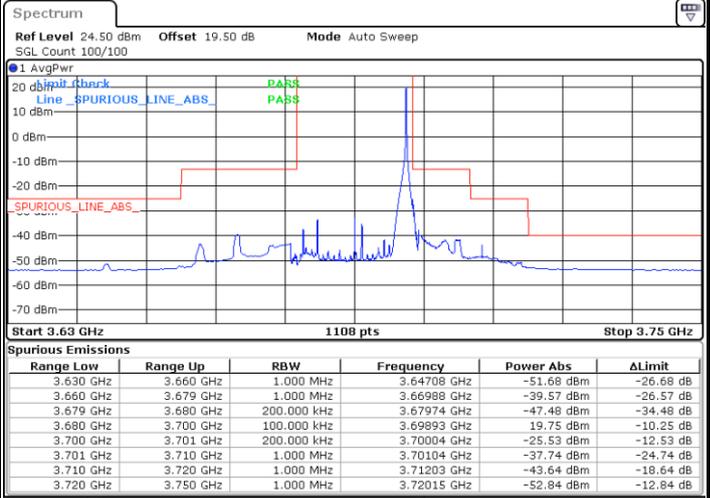
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



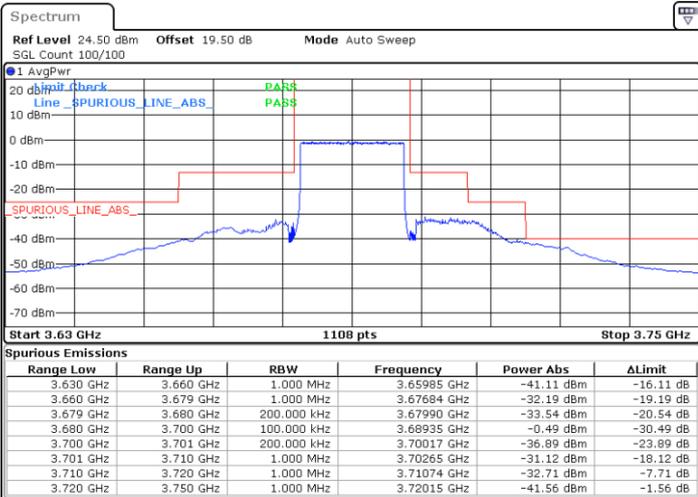
Date: 12.OCT.2024 09:51:28



Date: 12.OCT.2024 09:52:47

Highest Channel / FullRB

N/A



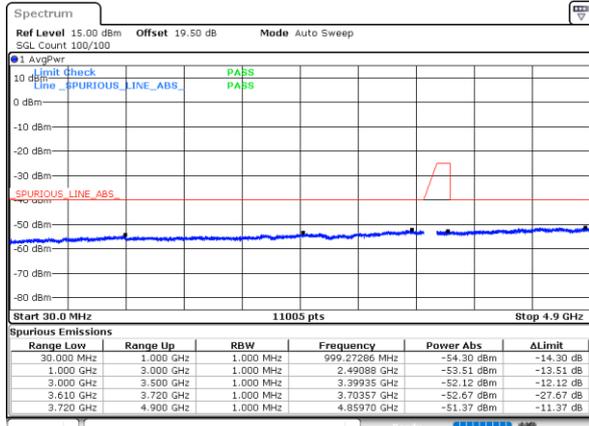
Date: 12.OCT.2024 10:00:48



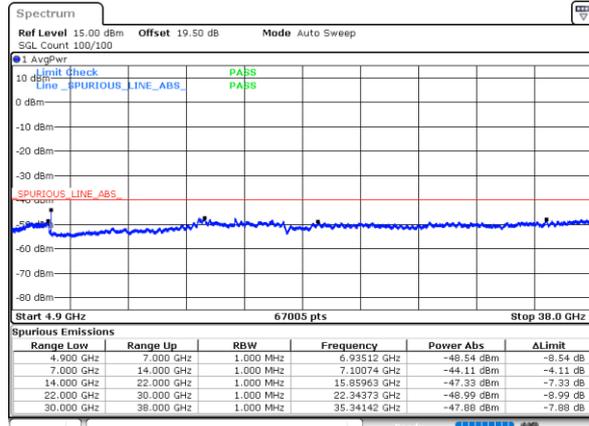
Conducted Spurious Emission

LTE Band 48 / 5MHz

Lowest Channel / QPSK

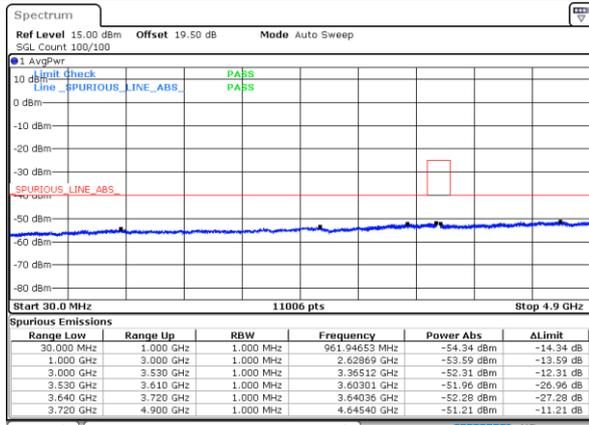


Date: 11.OCT.2024 16:42:23

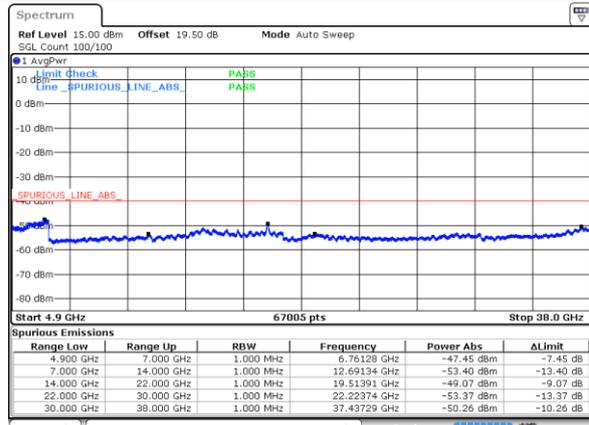


Date: 11.OCT.2024 16:43:41

Middle Channel / QPSK

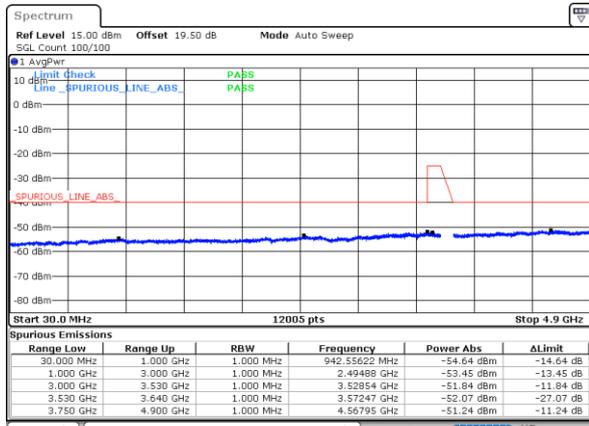


Date: 11.OCT.2024 16:56:49

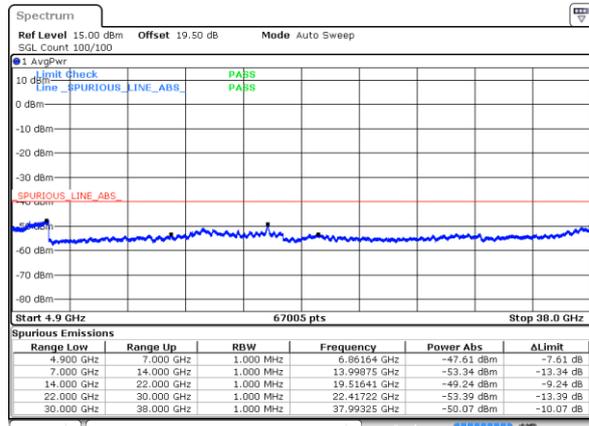


Date: 30.OCT.2024 14:54:43

Highest Channel / QPSK



Date: 11.OCT.2024 17:10:14

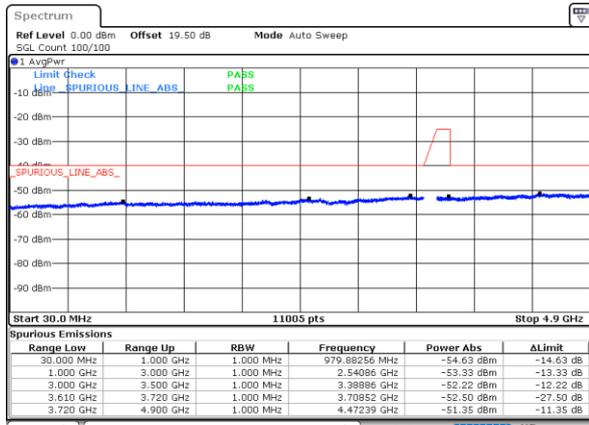


Date: 30.OCT.2024 14:57:06

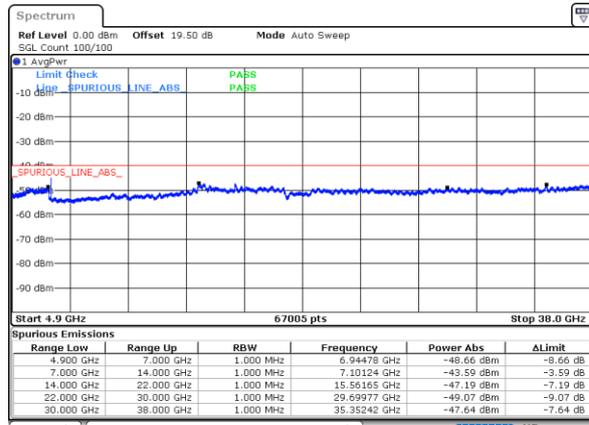


LTE Band 48 / 10MHz

Lowest Channel / QPSK

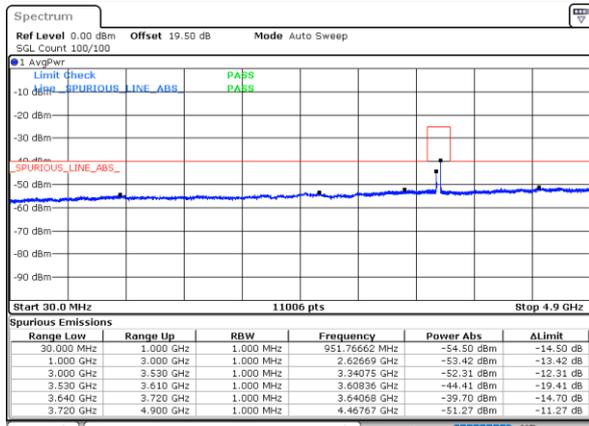


Date: 11.OCT.2024 17:24:54

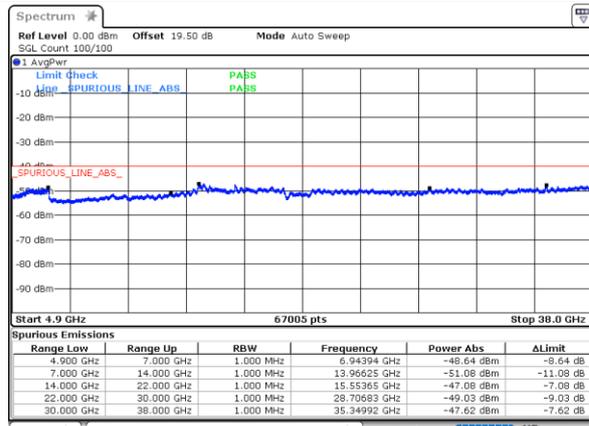


Date: 11.OCT.2024 17:26:12

Middle Channel / QPSK

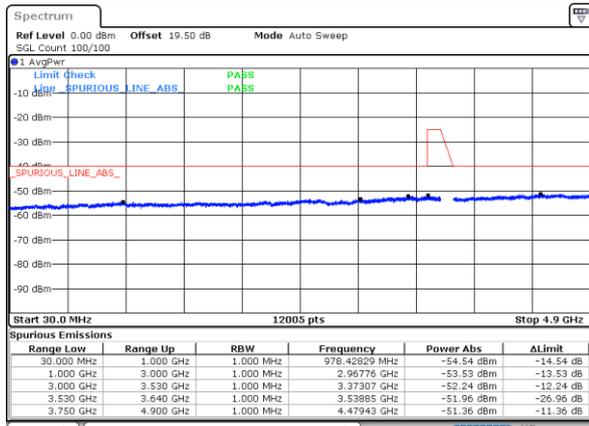


Date: 11.OCT.2024 17:39:32

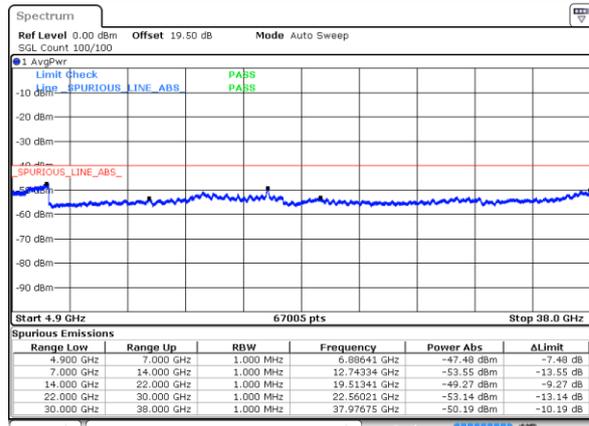


Date: 12.OCT.2024 16:49:52

Highest Channel / QPSK



Date: 11.OCT.2024 17:52:52

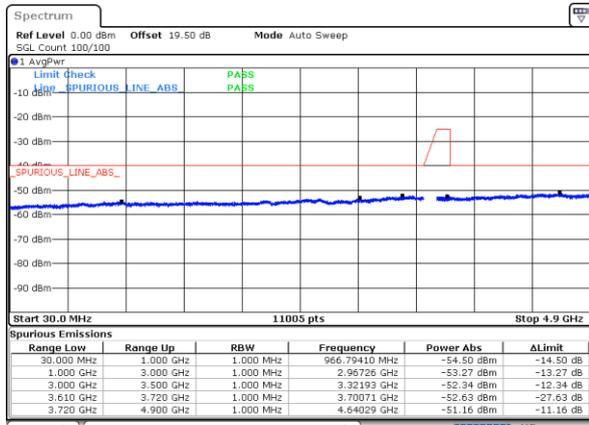


Date: 30.OCT.2024 15:00:02

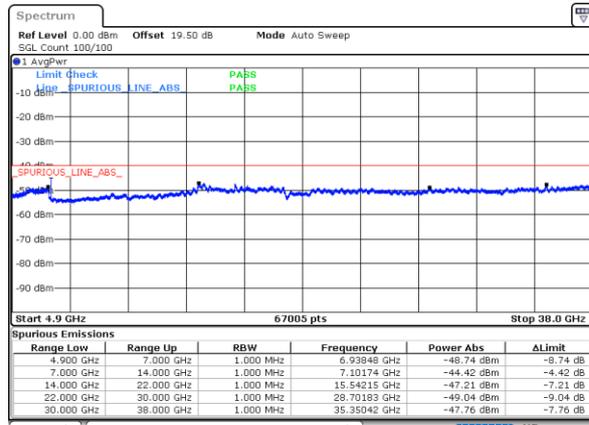


LTE Band 48 / 15MHz

Lowest Channel / QPSK

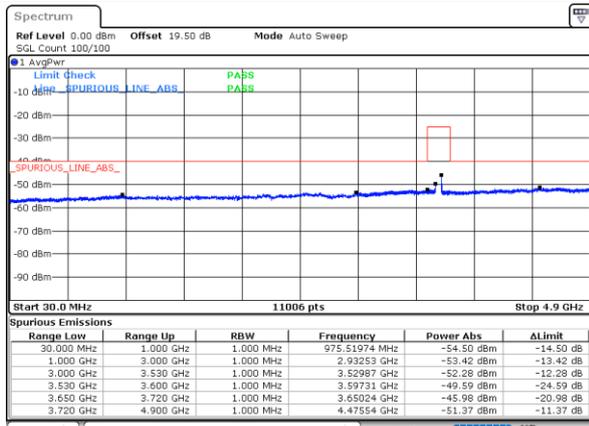


Date: 11.OCT.2024 18:07:20

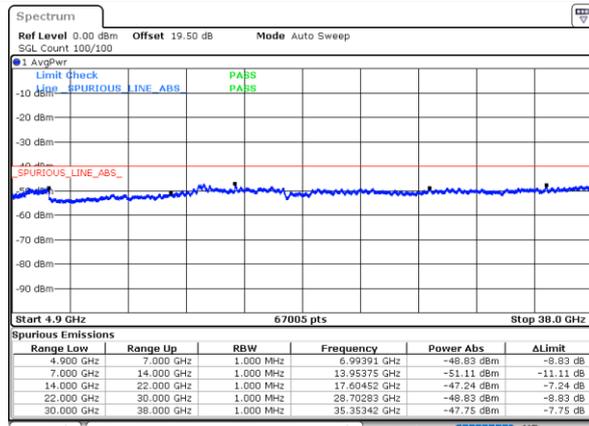


Date: 11.OCT.2024 18:08:37

Middle Channel / QPSK

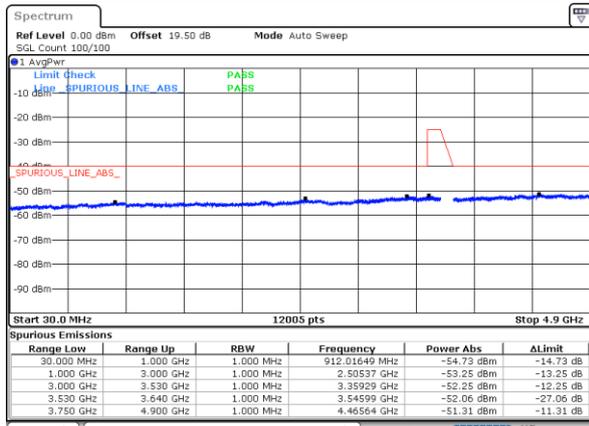


Date: 12.OCT.2024 09:46:33

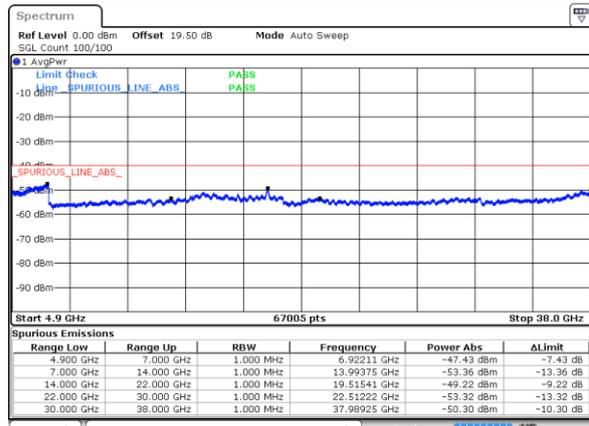


Date: 12.OCT.2024 16:53:01

Highest Channel / QPSK



Date: 12.OCT.2024 09:00:21

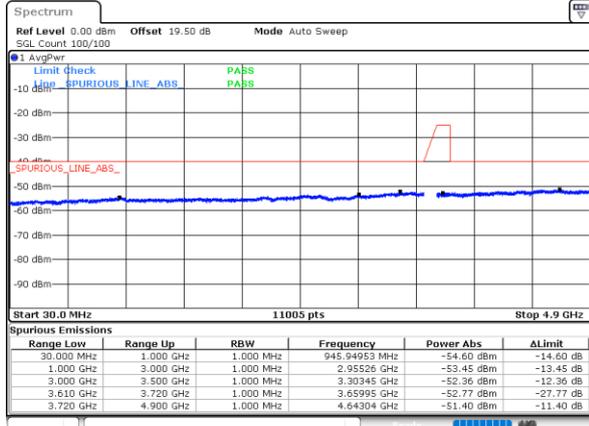


Date: 30.OCT.2024 15:02:42

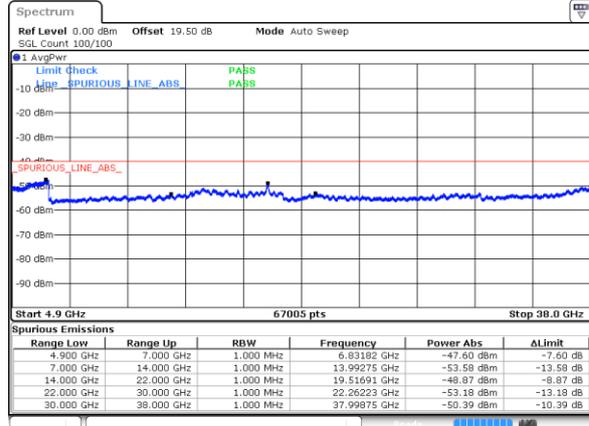


LTE Band 48 / 20MHz

Lowest Channel / QPSK

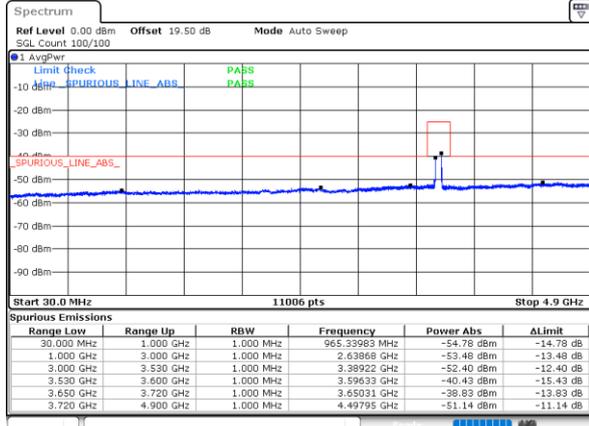


Date: 12.OCT.2024 09:14:46

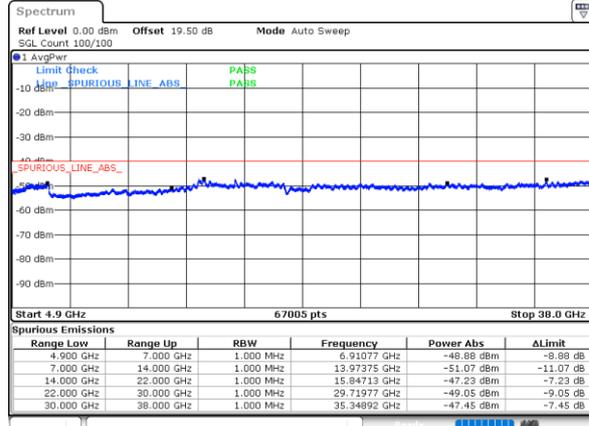


Date: 30.OCT.2024 15:05:56

Middle Channel / QPSK

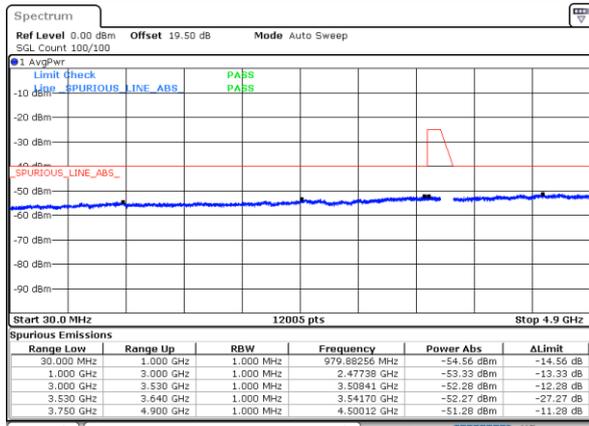


Date: 12.OCT.2024 09:14:00

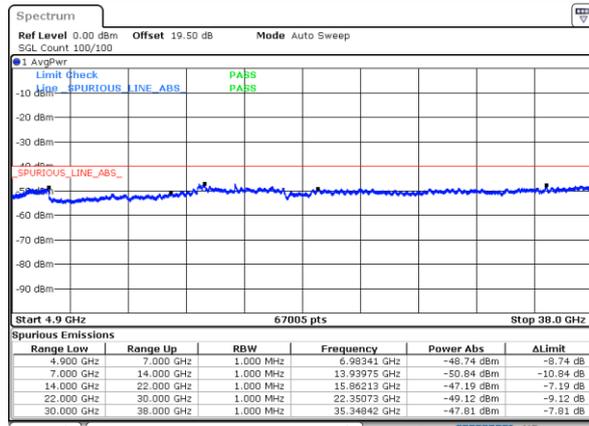


Date: 12.OCT.2024 16:55:07

Highest Channel / QPSK



Date: 12.OCT.2024 10:02:02



Date: 12.OCT.2024 16:57:31



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

- 1. Normal Voltage = 3.91 V.; Battery End Point (ACLRP) = 3.6 V.; Maximum Voltage = 4.3 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

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.6									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7232.00	-58.82	-40	-18.82	-64.87	-62.12	8.30	11.60	H
	10848.00	-54.53	-40	-14.53	-67.90	-56.05	10.48	12.00	H
	14464.00	-50.42	-40	-10.42	-67.99	-52.12	11.80	13.50	H
	7232.00	-58.41	-40	-18.41	-64.77	-61.71	8.30	11.60	V
	10848.00	-54.72	-40	-14.72	-67.72	-56.24	10.48	12.00	V
	14464.00	-50.76	-40	-10.76	-67.75	-52.46	11.80	13.50	V

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