

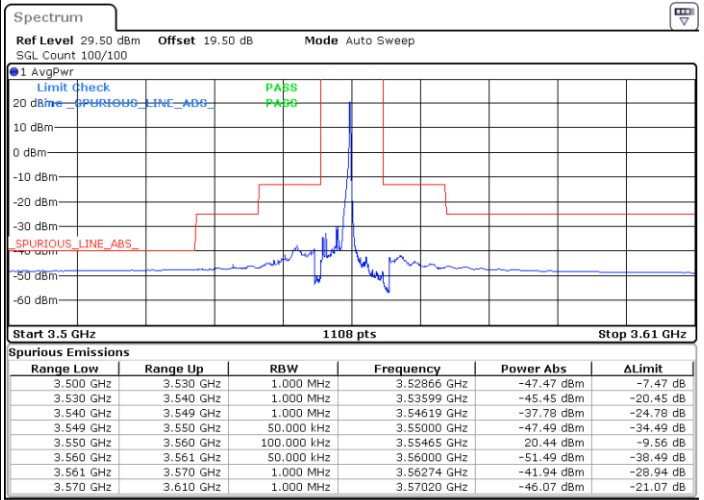
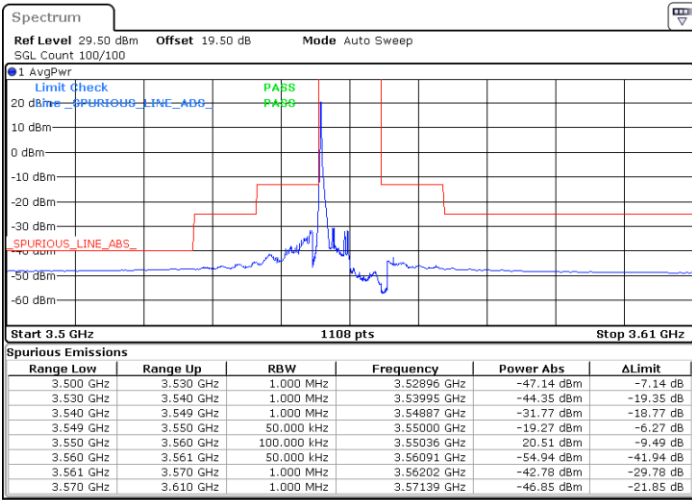


LTE Band 48 / 5MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

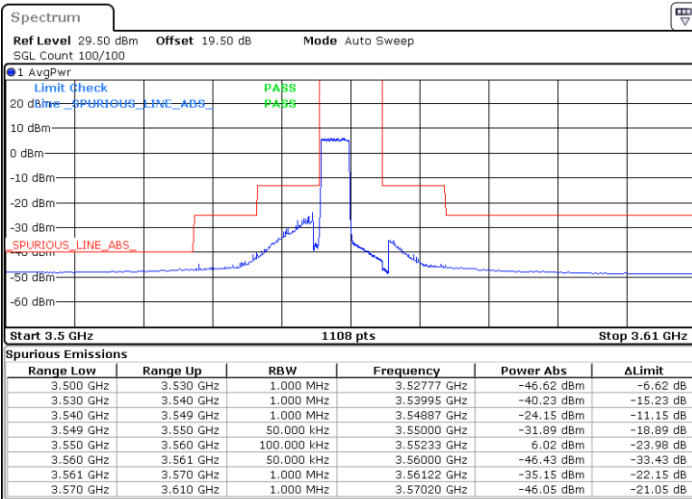


Date: 29.MAY.2023 13:11:55

Date: 29.MAY.2023 13:39:35

Lowest Channel / FullIRB

N/A



Date: 29.MAY.2023 13:25:45

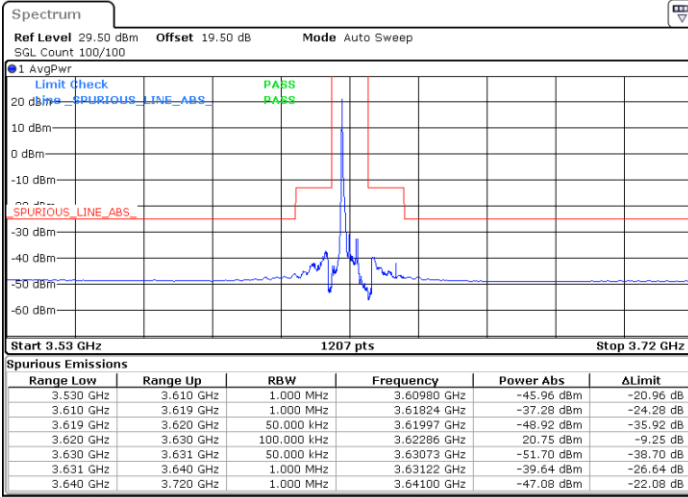


LTE Band 48 / 5MHz

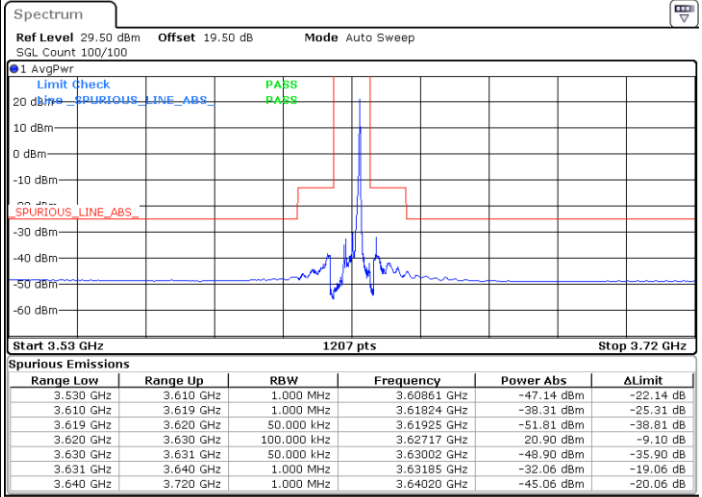
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



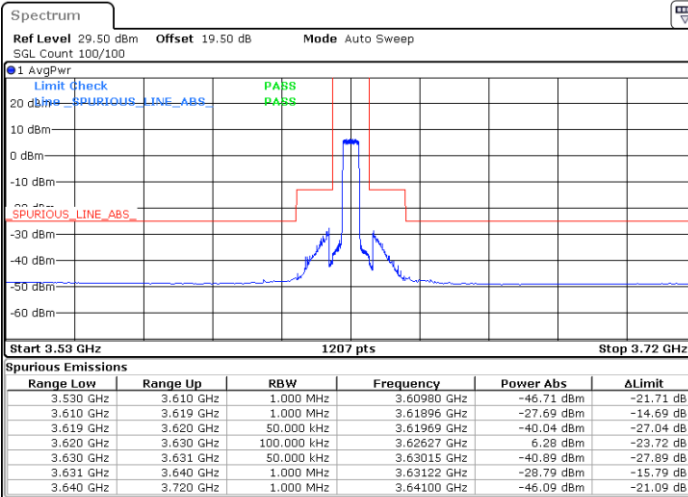
Date: 29.MAY.2023 13:13:28



Date: 29.MAY.2023 13:41:08

Middle Channel / FullIRB

N/A



Date: 29.MAY.2023 13:27:17

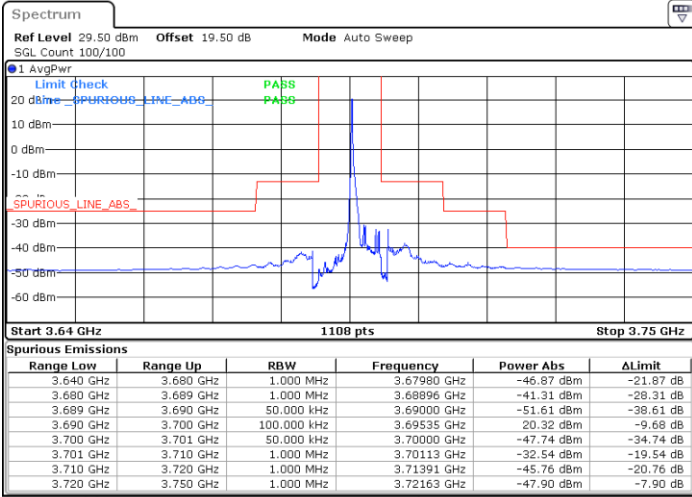


LTE Band 48 / 5MHz

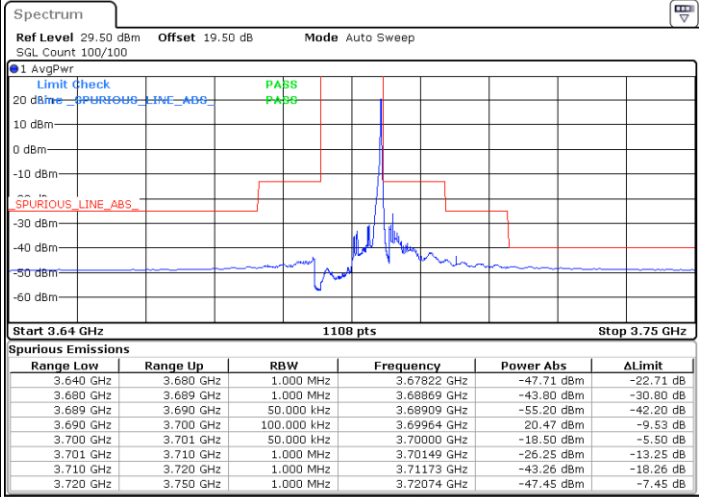
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



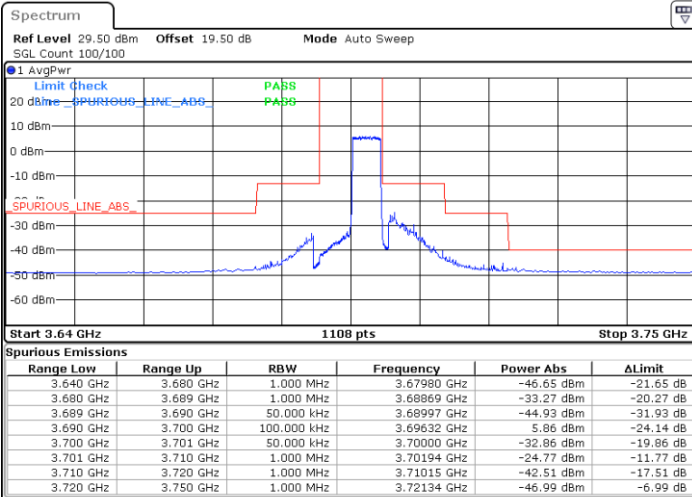
Date: 29.MAY.2023 13:21:08



Date: 29.MAY.2023 13:48:49

Highest Channel / FullIRB

N/A



Date: 29.MAY.2023 13:34:59

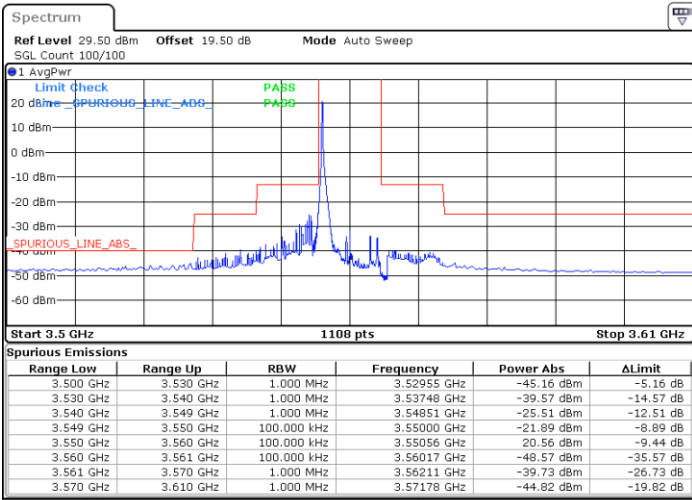


LTE Band 48 / 10MHz

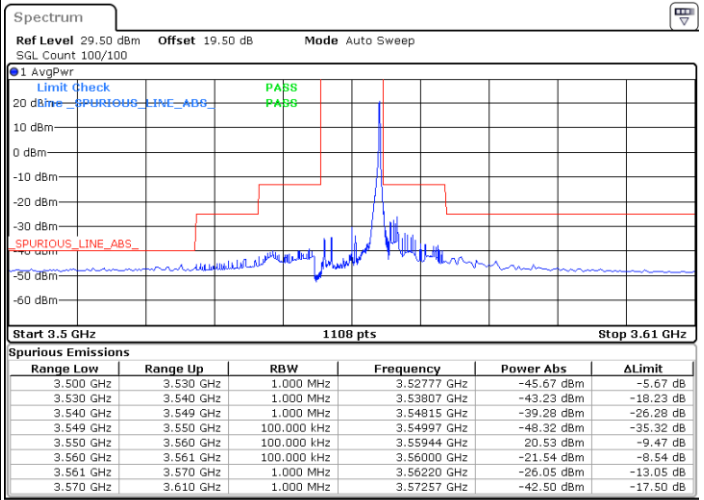
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



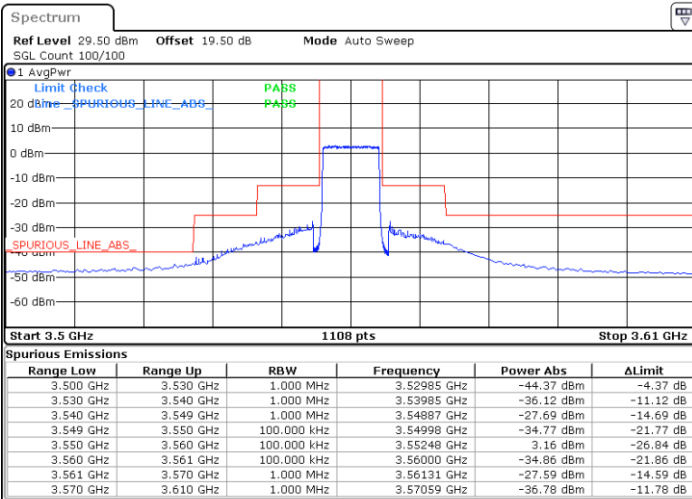
Date: 29.MAY.2023 13:50:21



Date: 29.MAY.2023 14:18:02

Lowest Channel / FullIRB

N/A



Date: 29.MAY.2023 14:04:12

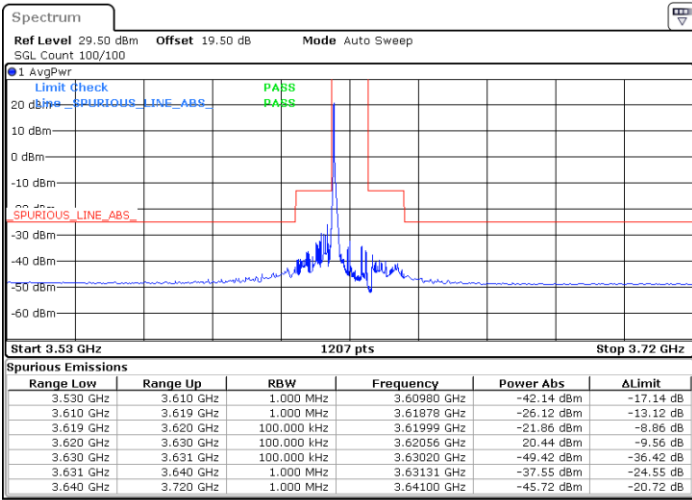


LTE Band 48 / 10MHz

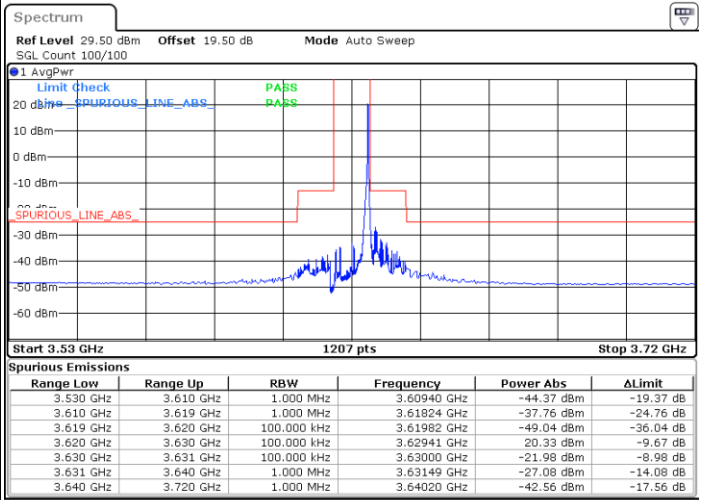
64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



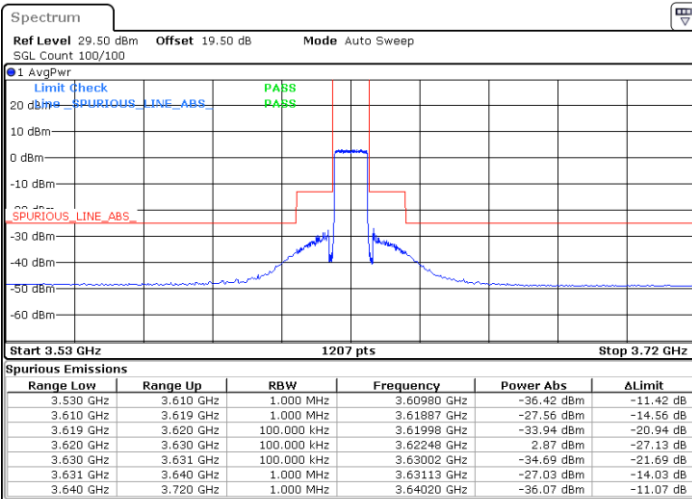
Date: 29.MAY.2023 13:58:03



Date: 29.MAY.2023 14:25:43

Middle Channel / FullIRB

N/A



Date: 29.MAY.2023 14:11:53

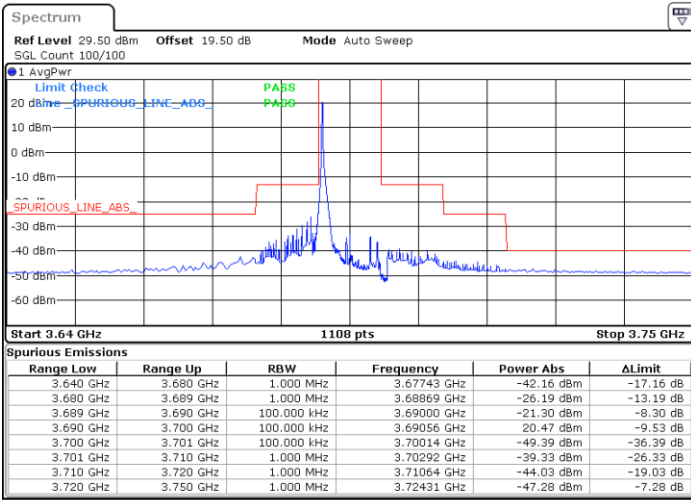


LTE Band 48 / 10MHz

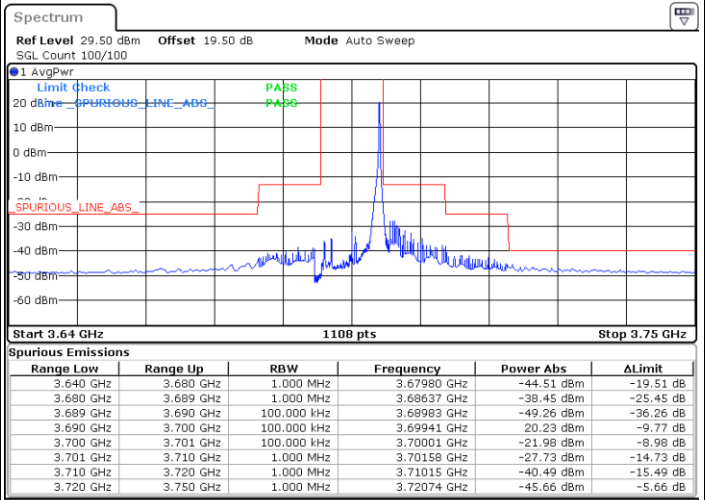
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



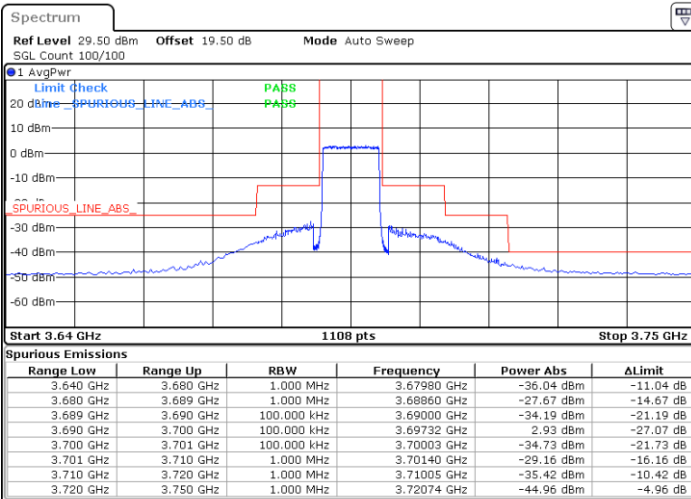
Date: 29.MAY.2023 13:59:35



Date: 29.MAY.2023 14:27:15

Highest Channel / FullIRB

N/A



Date: 29.MAY.2023 14:13:25

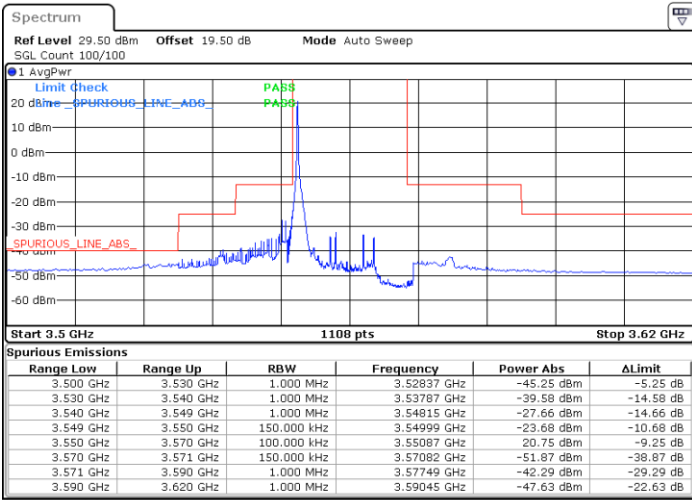


LTE Band 48 / 15MHz

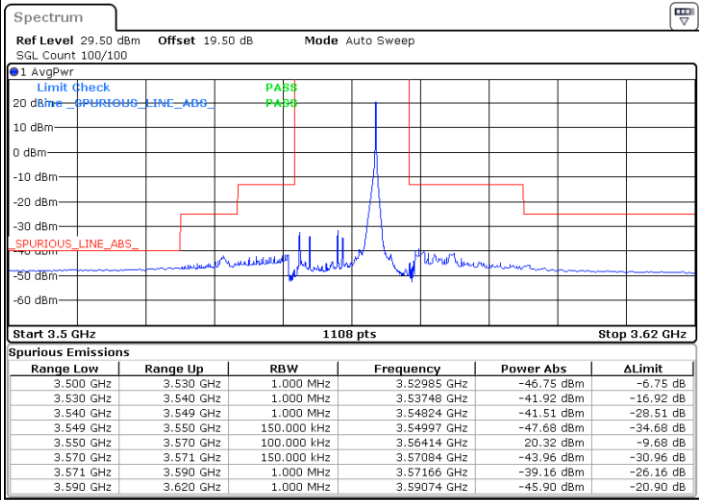
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



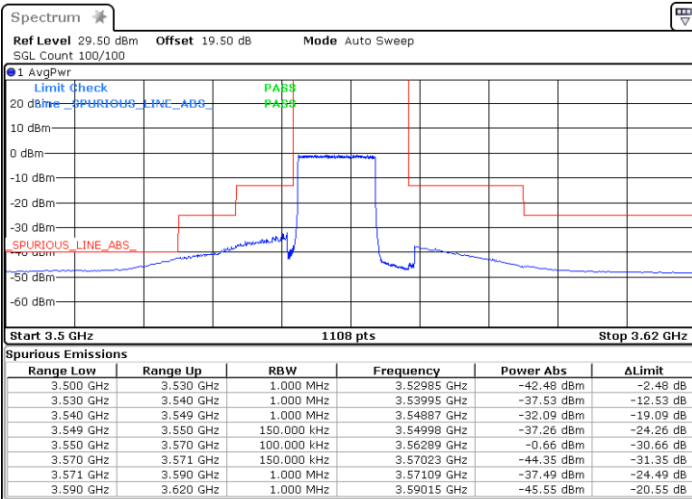
Date: 29.MAY.2023 14:34:57



Date: 29.MAY.2023 15:02:35

Lowest Channel / FullIRB

N/A



Date: 31.MAY.2023 09:55:32

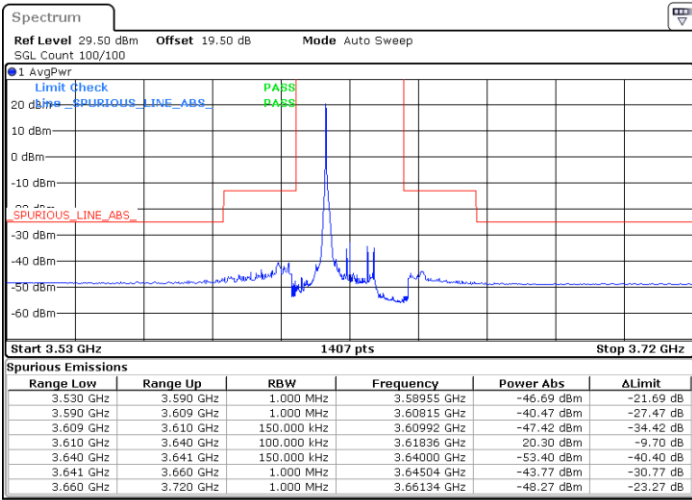


LTE Band 48 / 15MHz

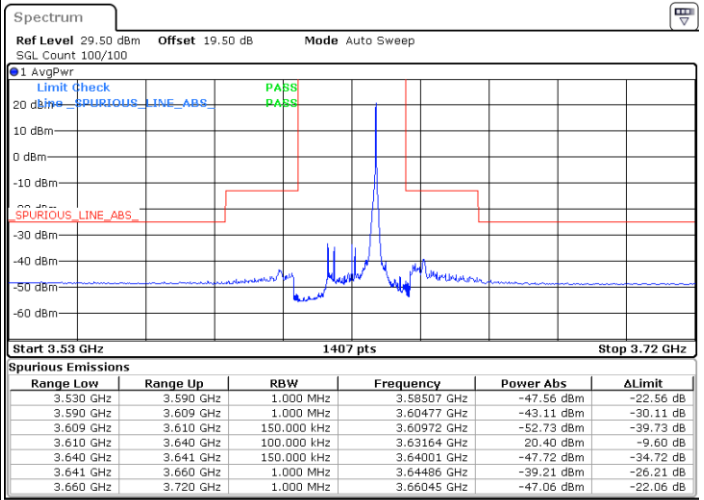
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



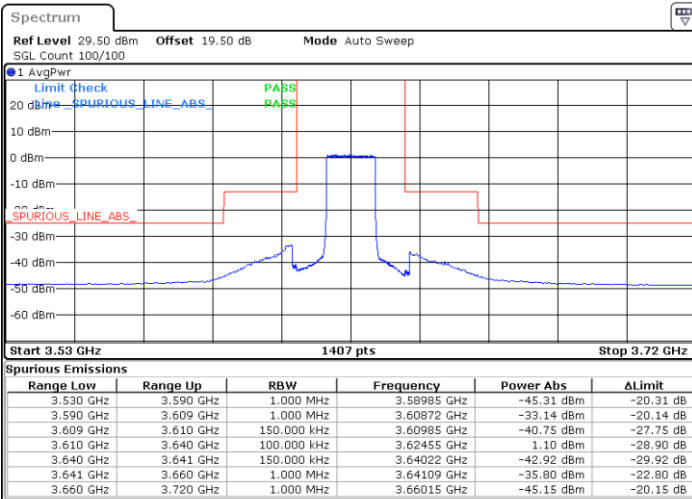
Date: 29.MAY.2023 14:36:29



Date: 29.MAY.2023 15:04:07

Middle Channel / FullIRB

N/A



Date: 29.MAY.2023 14:50:18



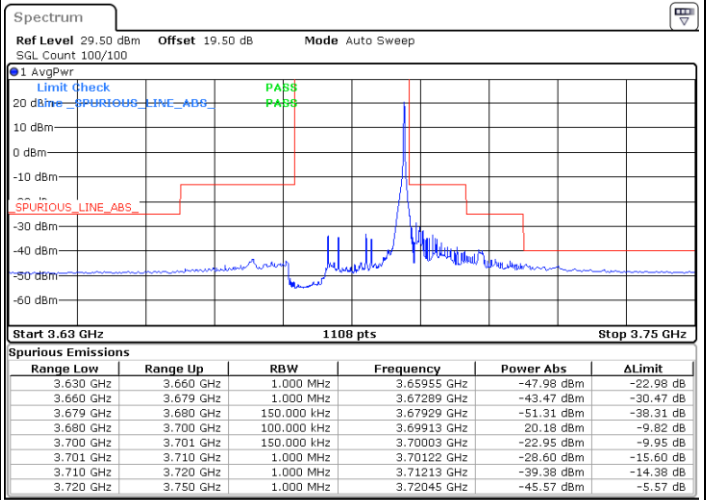
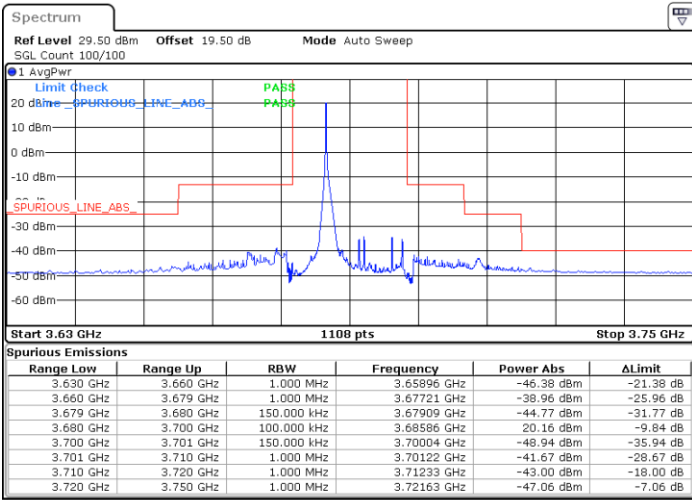


LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

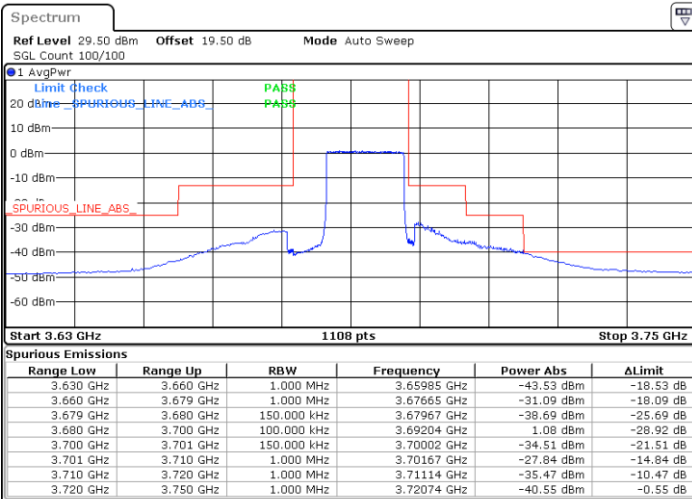


Date: 29.MAY.2023 14:44:09

Date: 29.MAY.2023 15:11:47

Highest Channel / FullIRB

N/A



Date: 29.MAY.2023 14:57:58

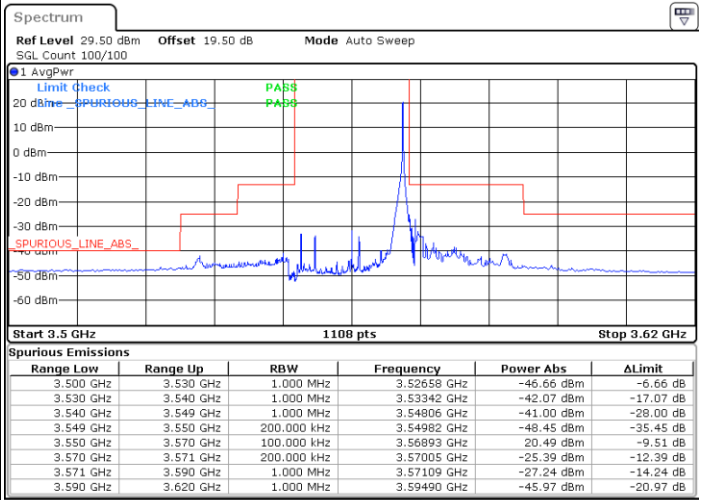
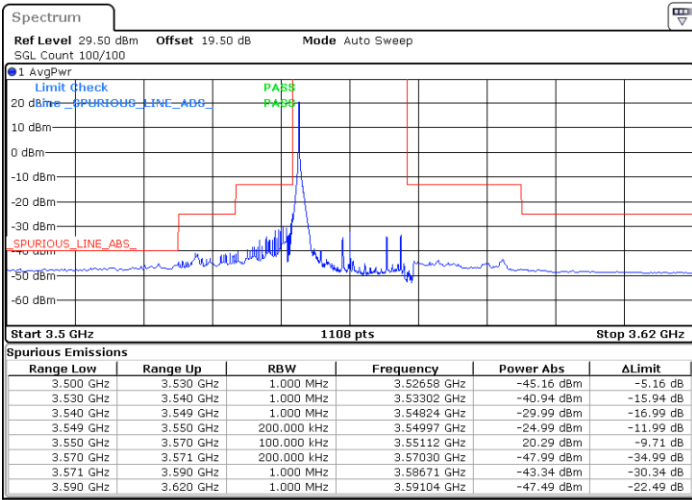


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

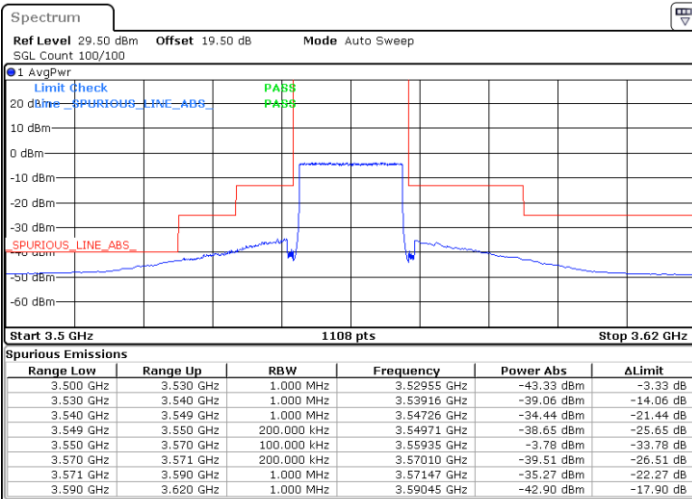


Date: 29.MAY.2023 15:27:11

Date: 29.MAY.2023 15:41:01

Lowest Channel / FullIRB

N/A



Date: 30.MAY.2023 16:26:52

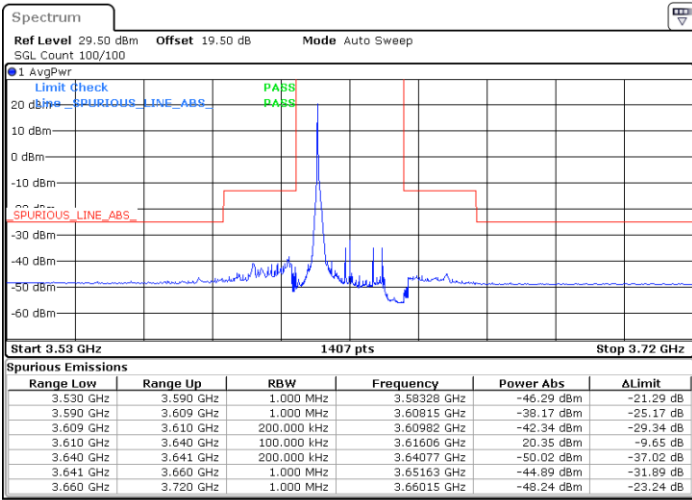


LTE Band 48 / 20MHz

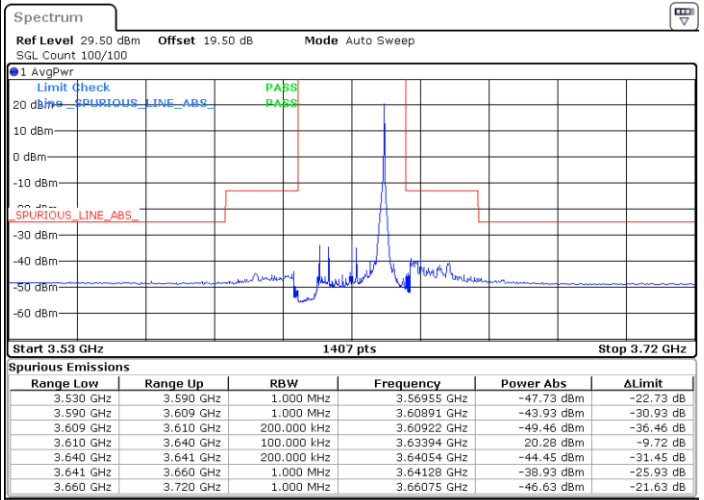
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



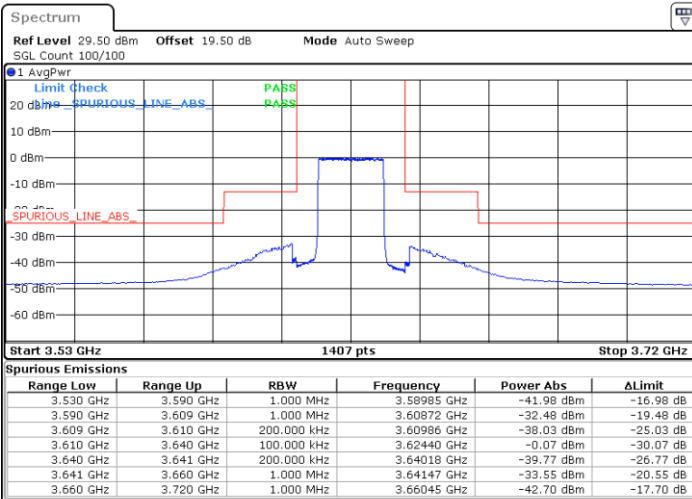
Date: 29.MAY.2023 15:34:51



Date: 29.MAY.2023 15:48:42

Middle Channel / FullIRB

N/A



Date: 29.MAY.2023 15:21:01

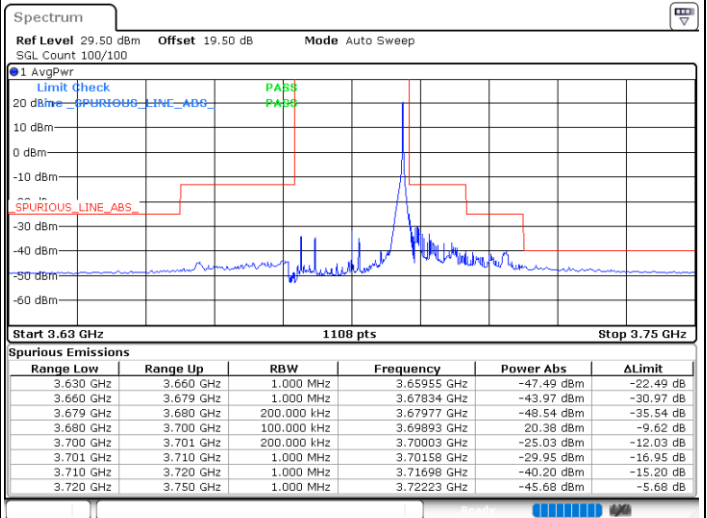
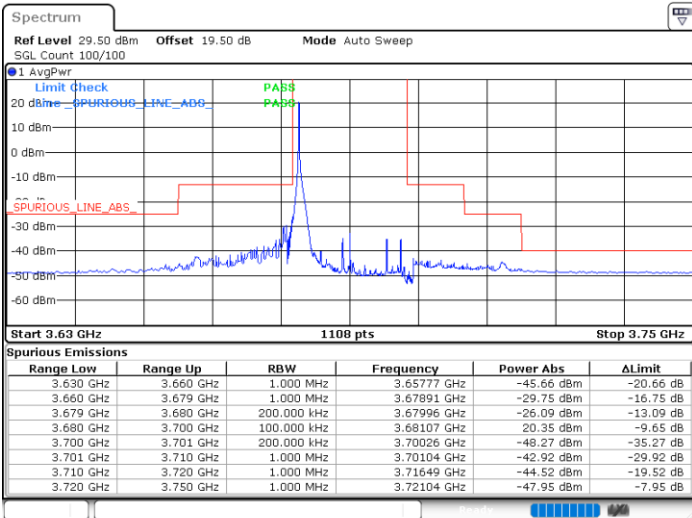


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

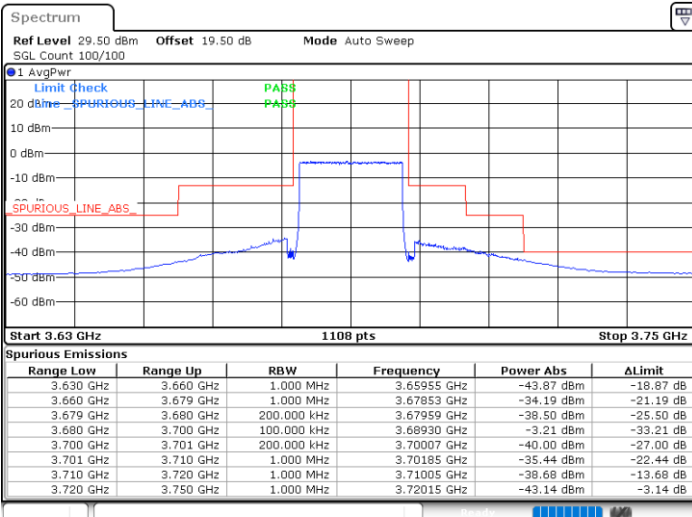


Date: 29.MAY.2023 15:36:23

Date: 29.MAY.2023 15:50:14

Highest Channel / FullIRB

N/A



Date: 31.MAY.2023 09:58:10



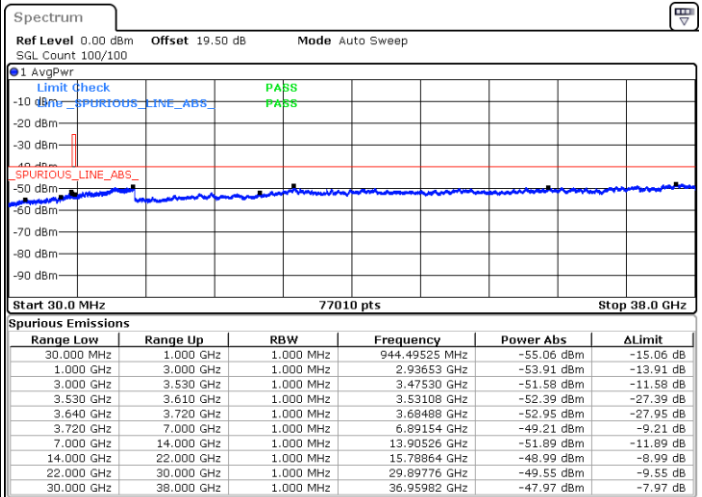
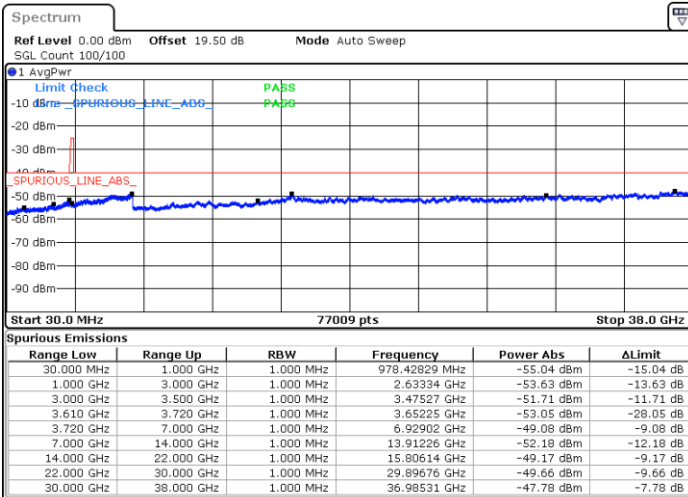
# Conducted Spurious Emission

## LTE Band 48 / 5MHz

### QPSK

#### Lowest Channel / 1RB0

#### Middle Channel / 1RB0

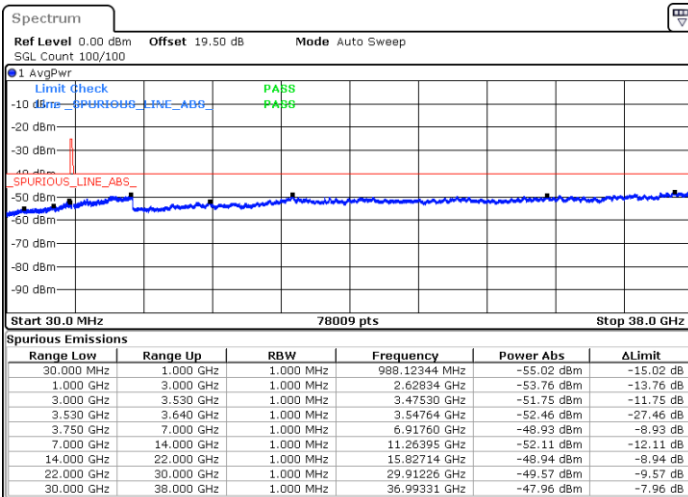


Date: 30.MAY.2023 08:44:04

Date: 30.MAY.2023 08:51:48

#### Highest Channel / 1RB0

N/A



Date: 30.MAY.2023 08:53:20

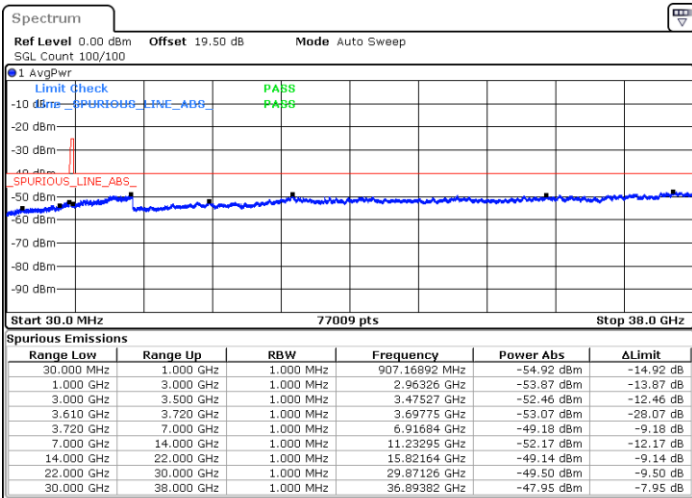


LTE Band 48 / 10MHz

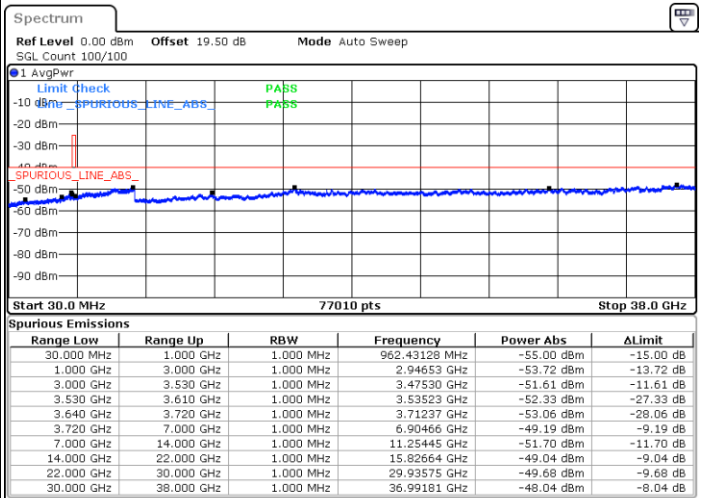
QPSK

Lowest Channel / 1RB0

MiddleChannel / 1RB0



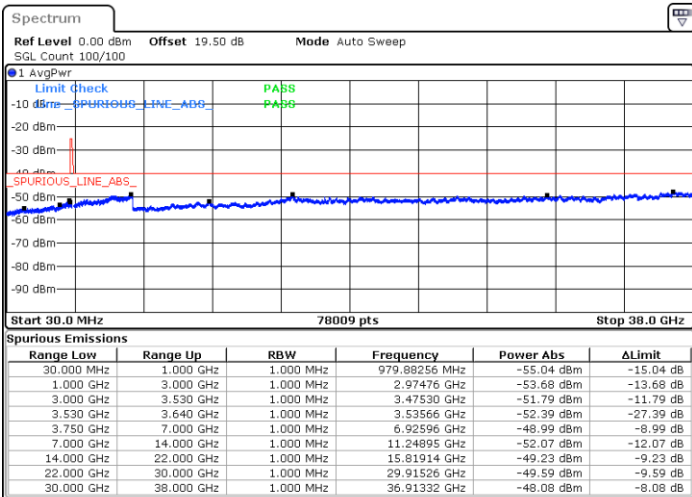
Date: 30.MAY.2023 09:28:54



Date: 30.MAY.2023 09:30:26

Highest Channel / 1RB0

N/A



Date: 30.MAY.2023 09:38:09

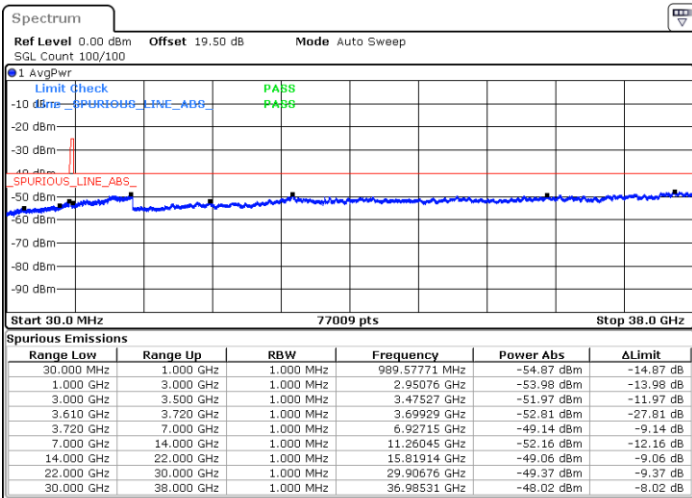


LTE Band 48 / 15MHz

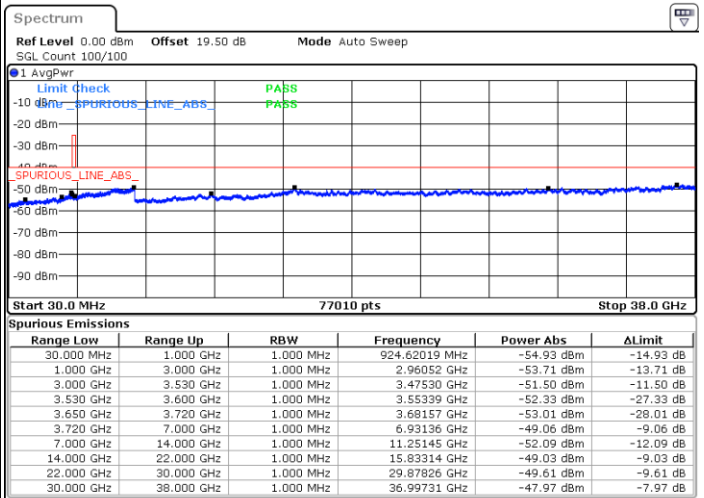
QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0



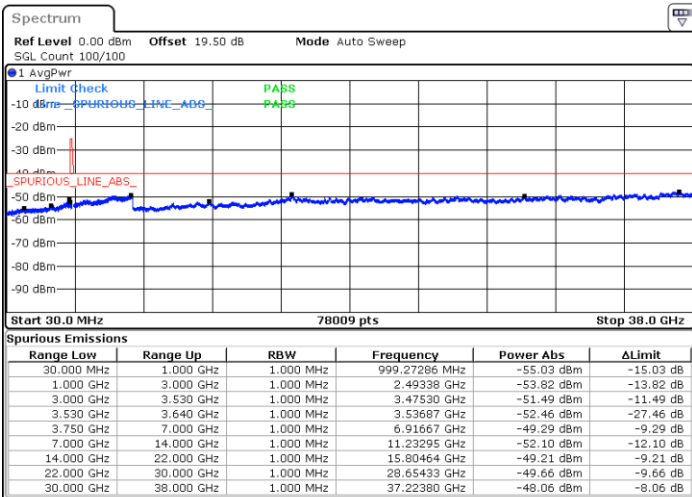
Date: 30.MAY.2023 11:49:58



Date: 30.MAY.2023 11:57:41

Highest Channel / 1RB0

N/A



Date: 30.MAY.2023 11:59:14

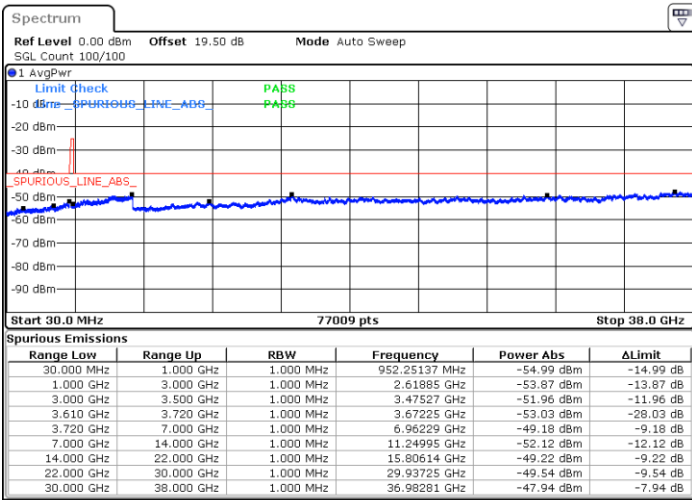


LTE Band 48 / 20MHz

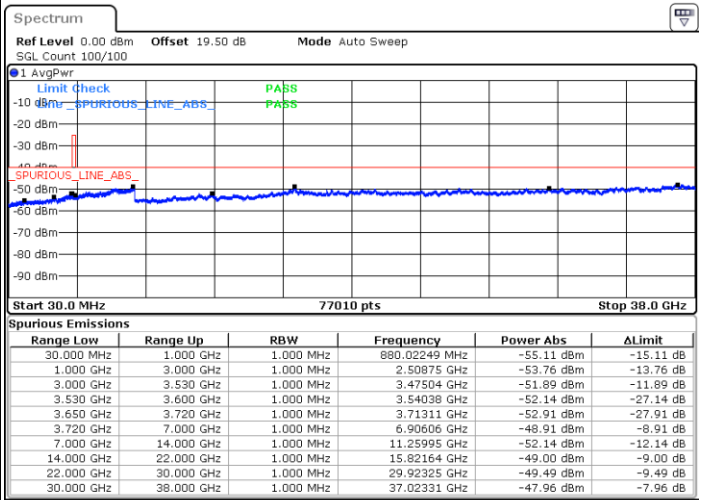
QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0



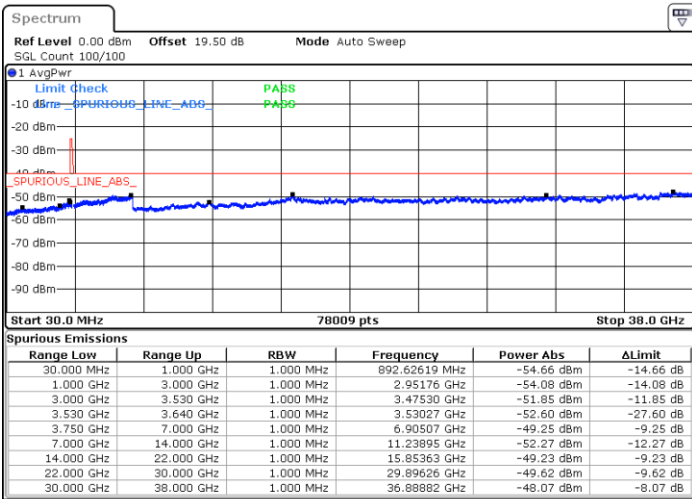
Date: 30.MAY.2023 12:48:45



Date: 30.MAY.2023 12:50:18

Highest Channel / 1RB0

N/A



Date: 30.MAY.2023 12:59:23





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	0.0007	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.88 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.47 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 :	Shiwei Wen	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE 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.5									
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	-56.79	-40	-16.79	-65.47	-60.09	8.30	11.60	H
	10848.00	-54.11	-40	-14.11	-67.82	-55.63	10.48	12.00	H
	14464.00	-50.56	-40	-10.56	-66.78	-52.26	11.80	13.50	H
	7232.00	-55.55	-40	-15.55	-65.96	-58.85	8.30	11.60	V
	10848.00	-52.83	-40	-12.83	-68.16	-54.35	10.48	12.00	V
	14464.00	-51.15	-40	-11.15	-66.96	-52.85	11.80	13.50	V

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