

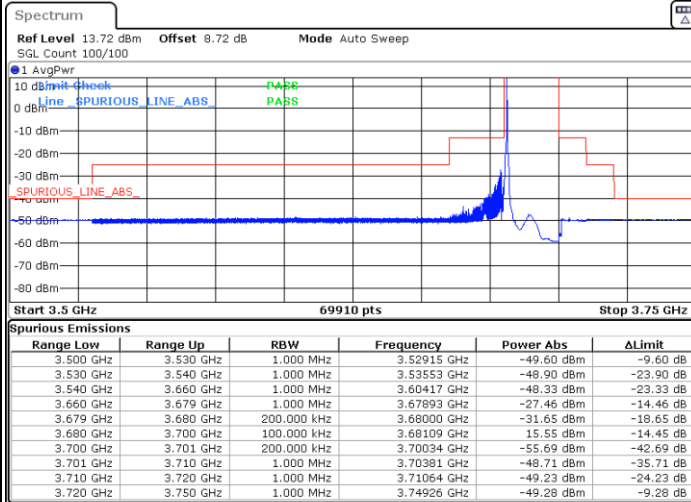


LTE Band 48 / 20MHz

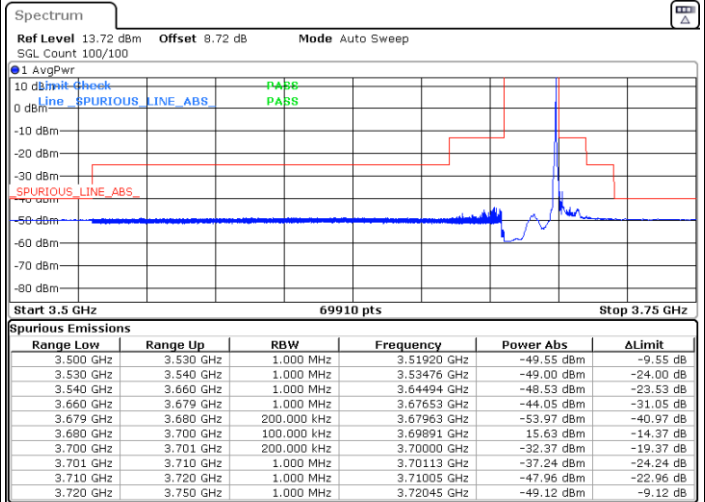
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



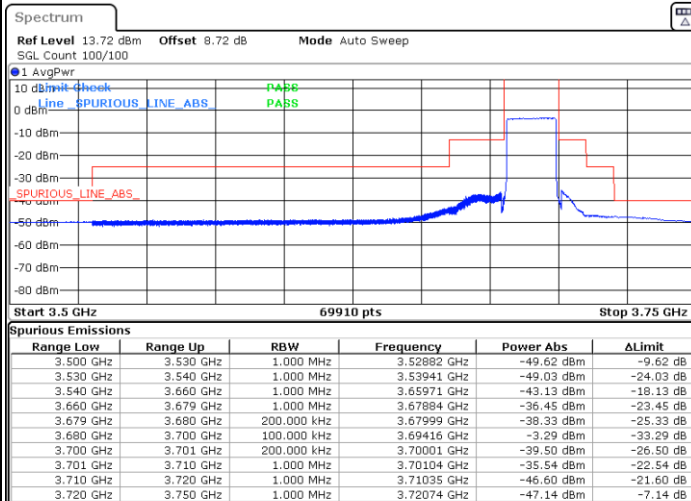
Date: 29 SEP 2022 06:03:46



Date: 29 SEP 2022 06:11:14

Highest Channel / Full RB

N/A



Date: 29 SEP 2022 06:18:42

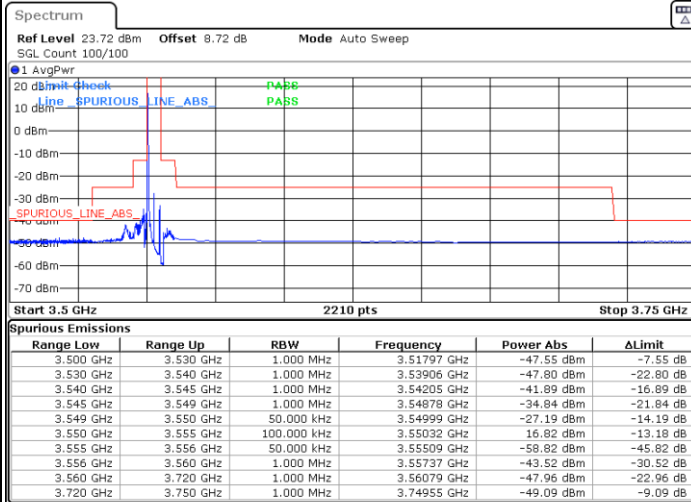


LTE Band 48 / 5MHz

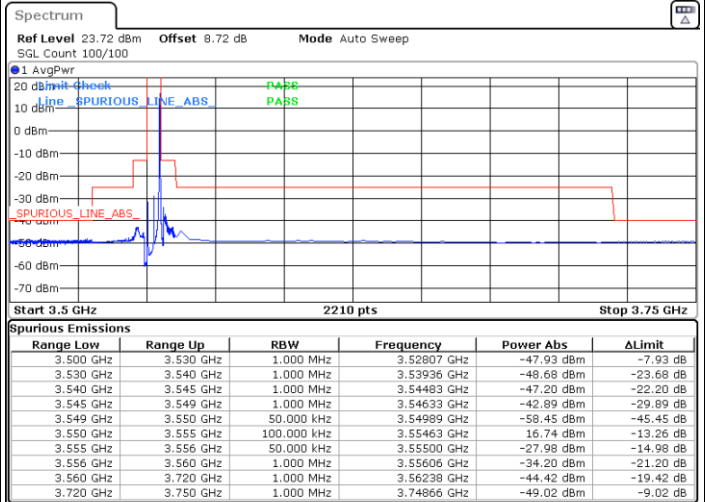
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



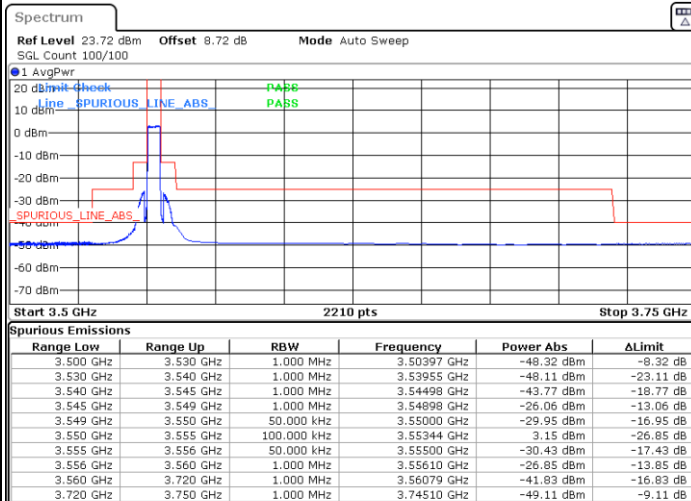
Date: 29 SEP 2022 02:23:35



Date: 29 SEP 2022 02:29:06

Lowest Channel / Full RB

N/A



Date: 29 SEP 2022 02:34:31

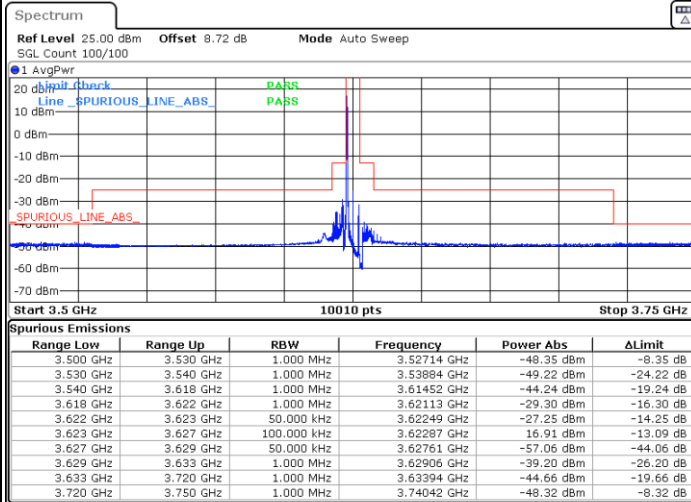


LTE Band 48 / 5MHz

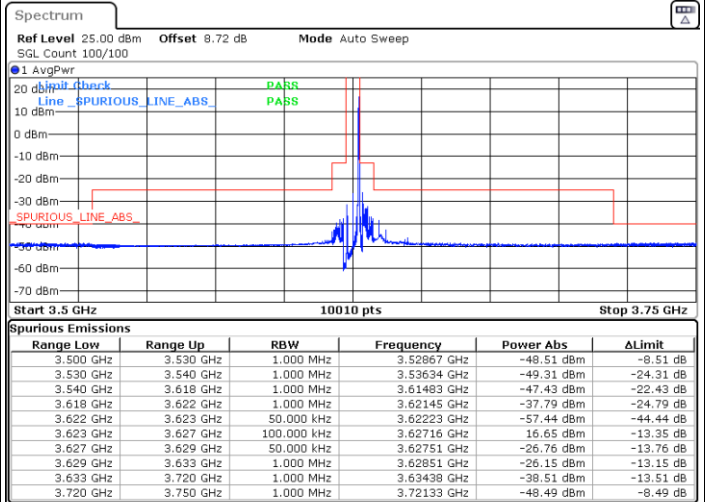
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



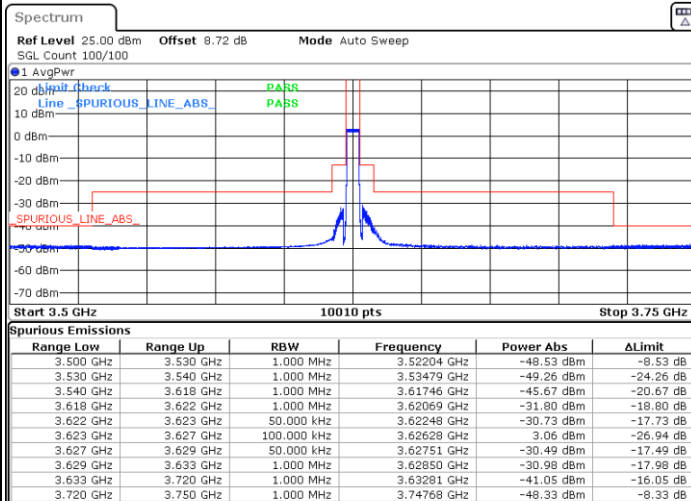
Date: 29 SEP. 2022 02:41:08



Date: 29 SEP. 2022 02:46:30

Middle Channel / Full RB

N/A



Date: 29 SEP. 2022 02:51:52

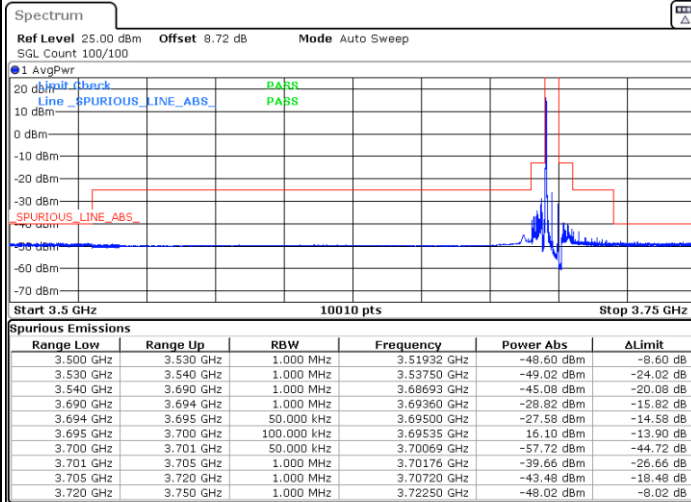


LTE Band 48 / 5MHz

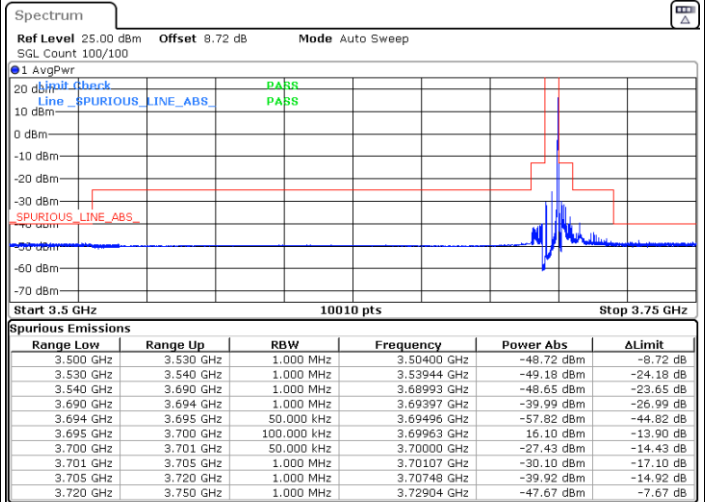
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



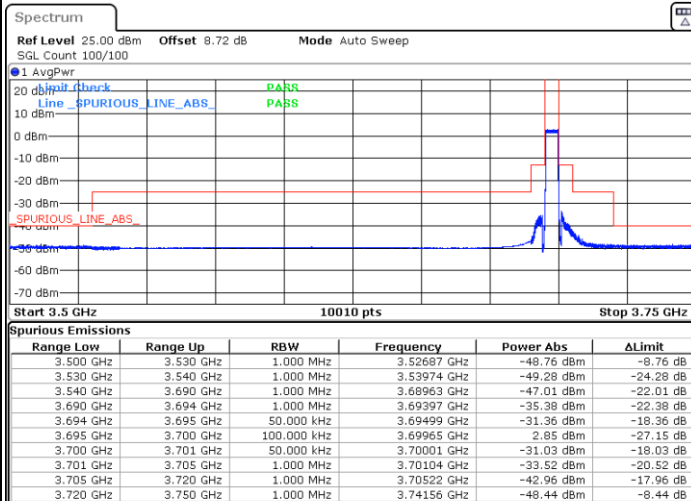
Date: 29 SEP. 2022 02:57:17



Date: 29 SEP. 2022 03:02:41

Highest Channel / Full RB

N/A



Date: 29 SEP. 2022 03:08:05

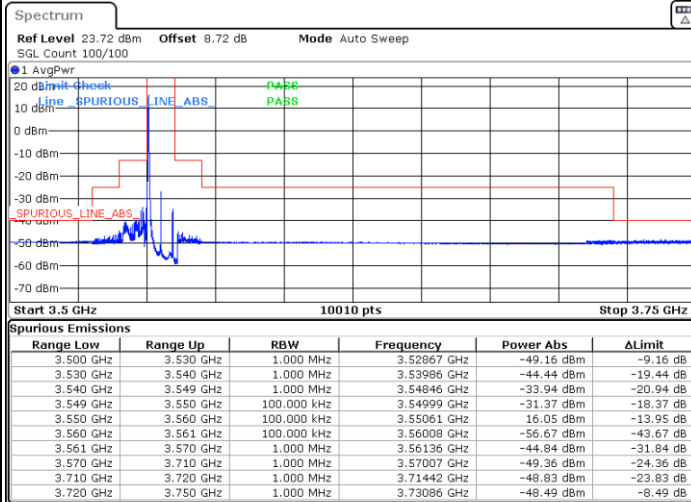


LTE Band 48 / 10MHz

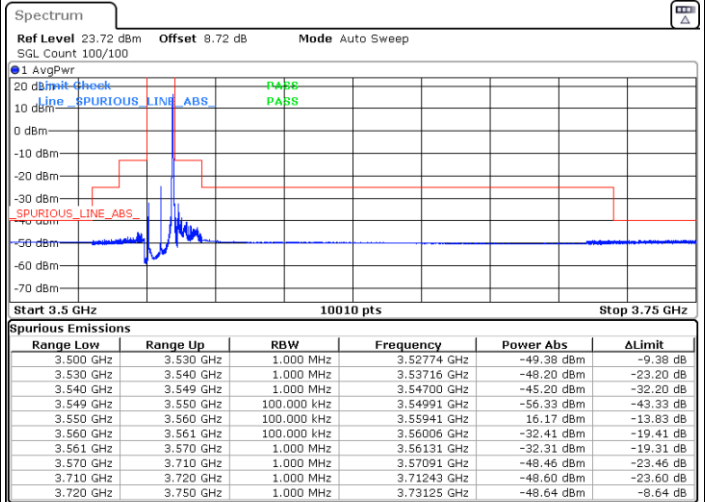
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



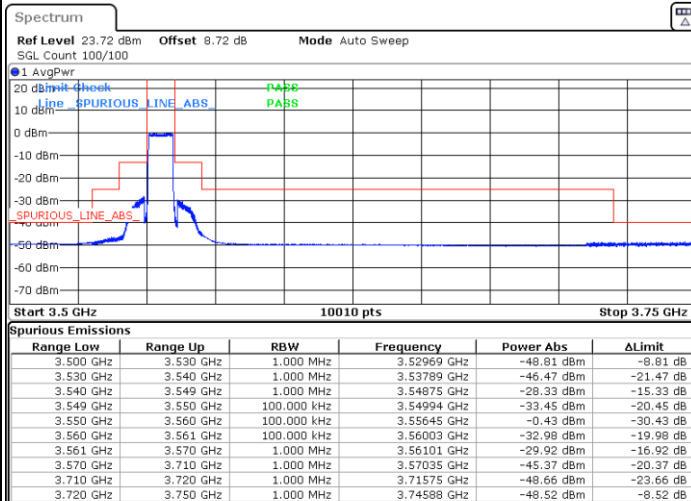
Date: 29 SEP 2022 03:21:14



Date: 29 SEP 2022 03:26:38

Lowest Channel / Full RB

N/A



Date: 29 SEP 2022 03:32:03

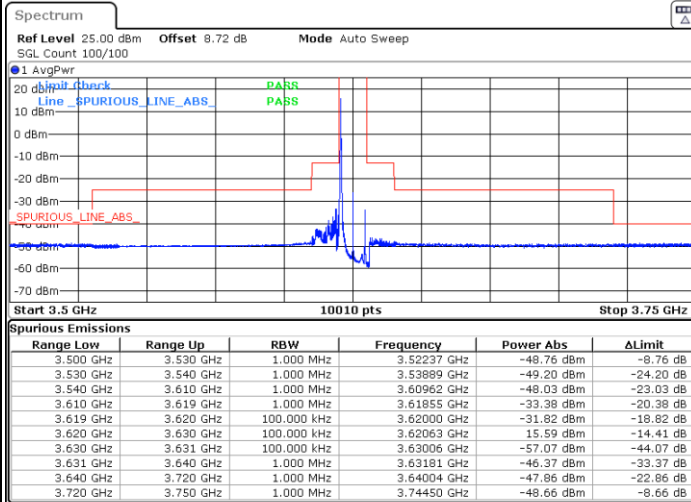


LTE Band 48 / 10MHz

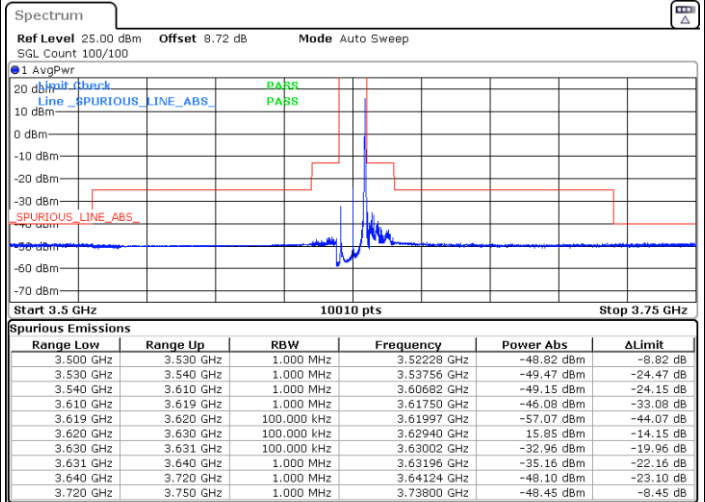
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



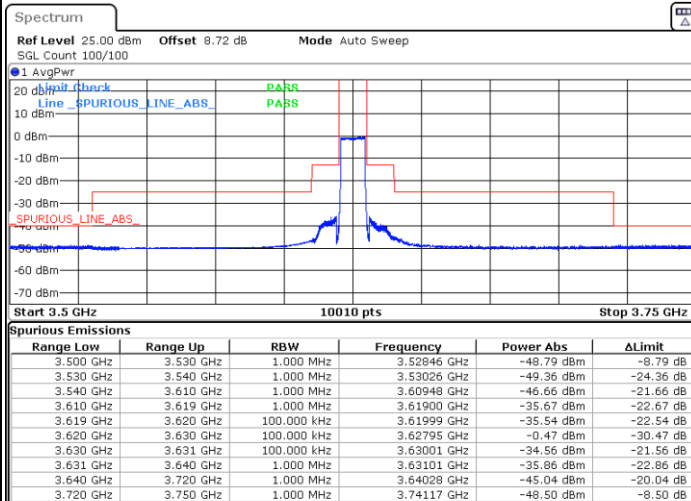
Date: 29 SEP. 2022 10:02:09



Date: 29 SEP. 2022 03:45:17

Middle Channel / Full RB

N/A



Date: 29 SEP. 2022 03:50:38

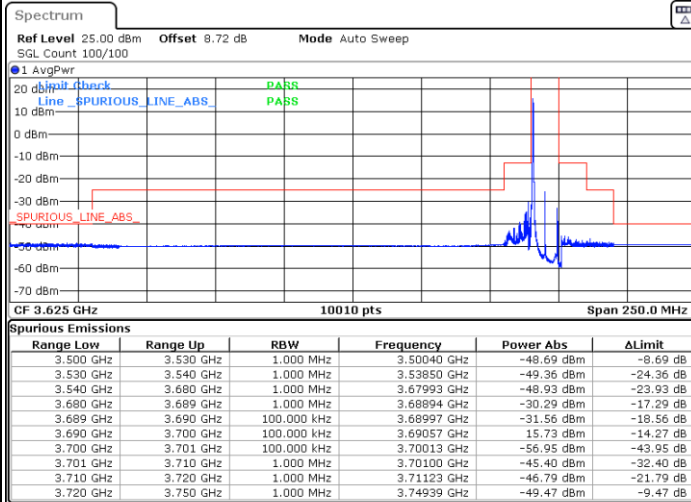


LTE Band 48 / 10MHz

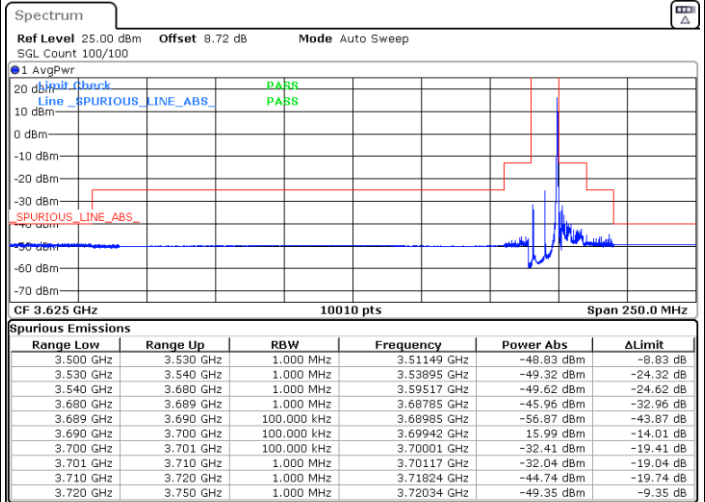
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



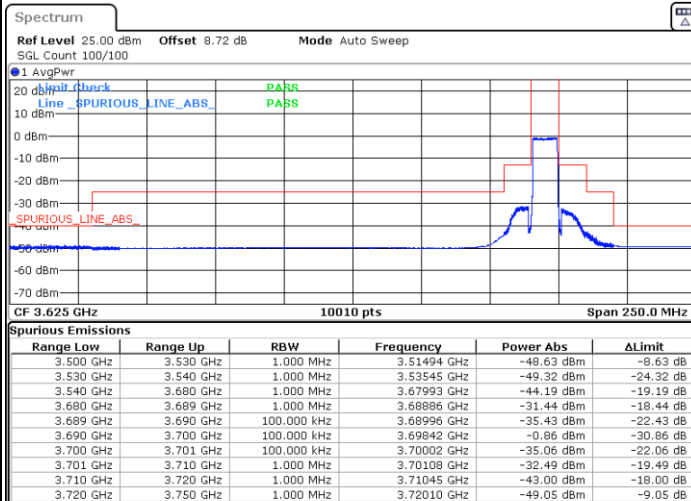
Date: 29 SEP. 2022 04:05:10



Date: 29 SEP. 2022 04:15:37

Highest Channel / Full RB

N/A



Date: 29 SEP. 2022 04:26:01

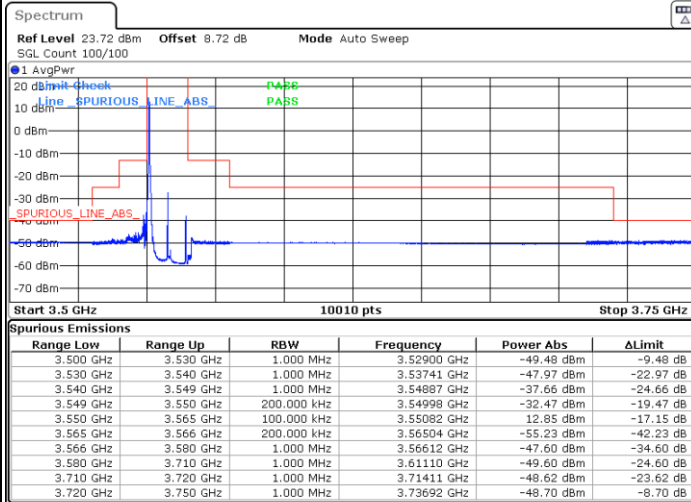


LTE Band 48 / 15MHz

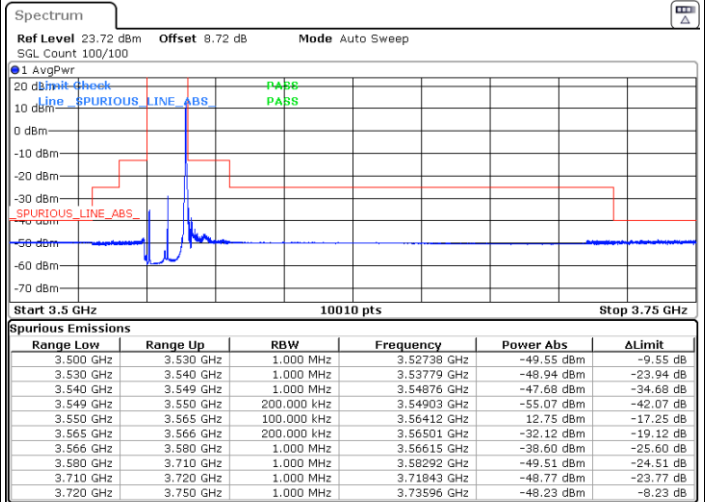
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



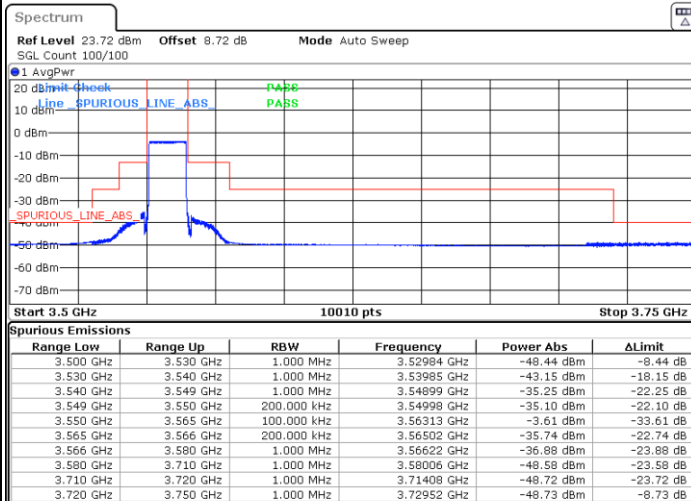
Date: 29 SEP 2022 04:35:06



Date: 29 SEP 2022 04:40:31

Lowest Channel / Full RB

N/A



Date: 29 SEP 2022 04:45:56

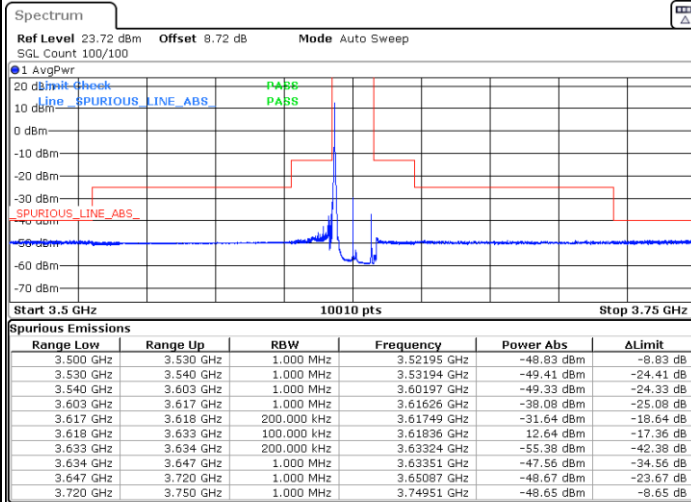


LTE Band 48 / 15MHz

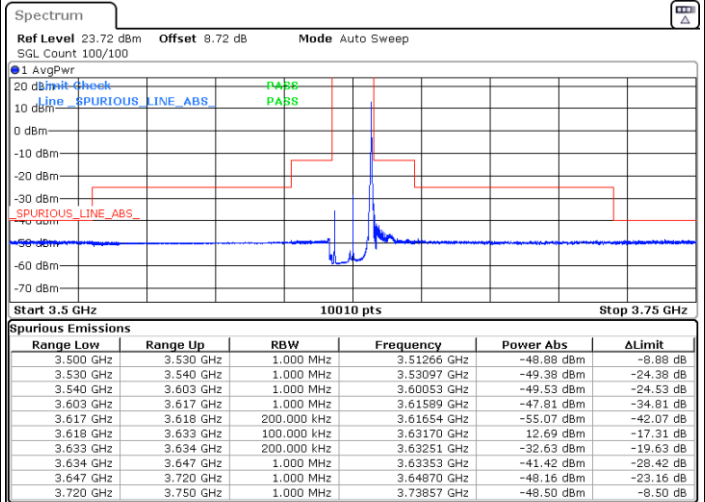
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



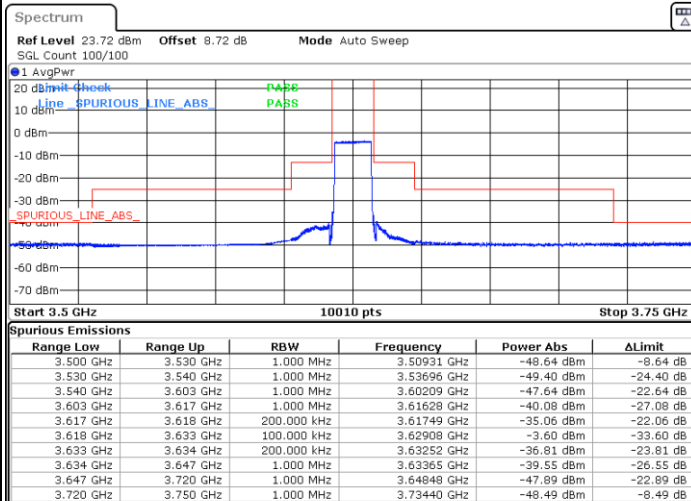
Date: 29 SEP 2022 04:51:17



Date: 29 SEP 2022 04:57:54

Middle Channel / Full RB

N/A



Date: 29 SEP 2022 05:03:16

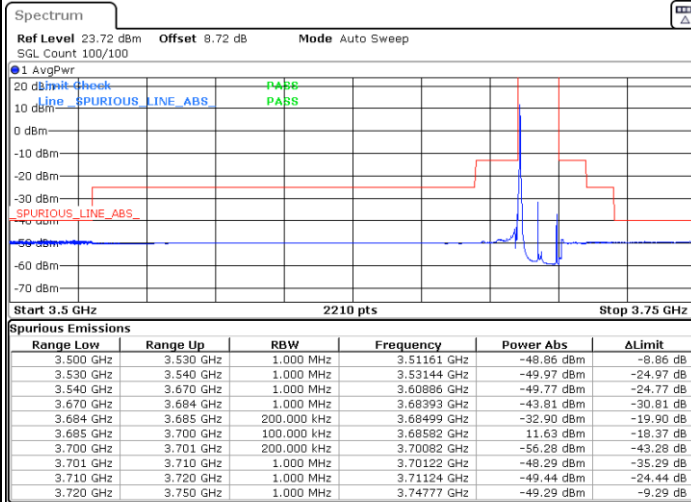


LTE Band 48 / 15MHz

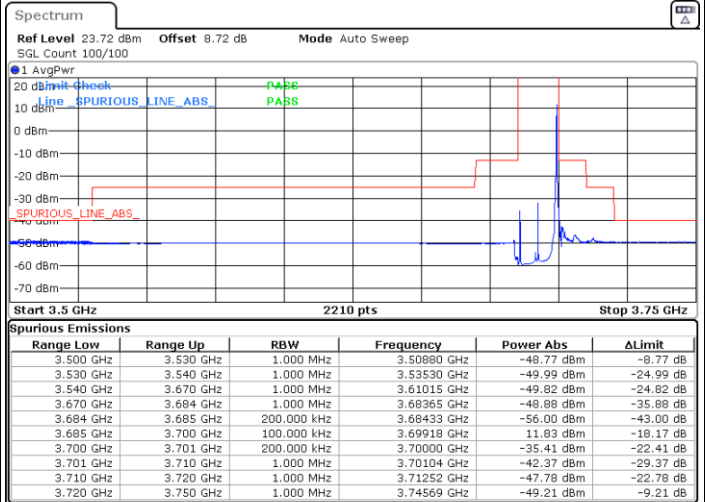
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



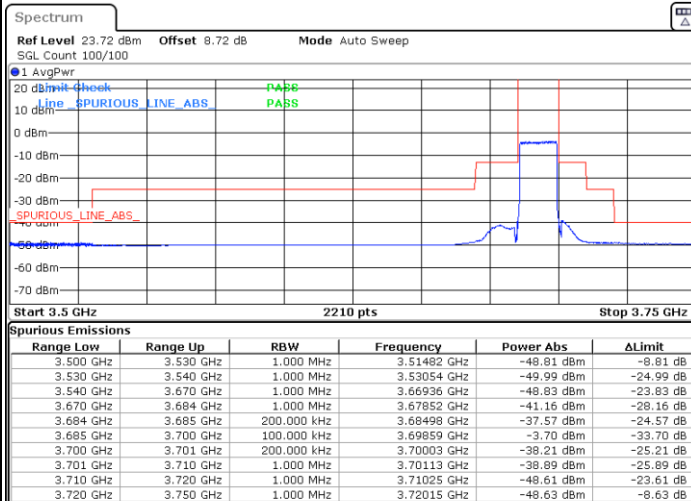
Date: 29 SEP 2022 05:08:39



Date: 29 SEP 2022 05:14:07

Highest Channel / Full RB

N/A



Date: 29 SEP 2022 05:19:31

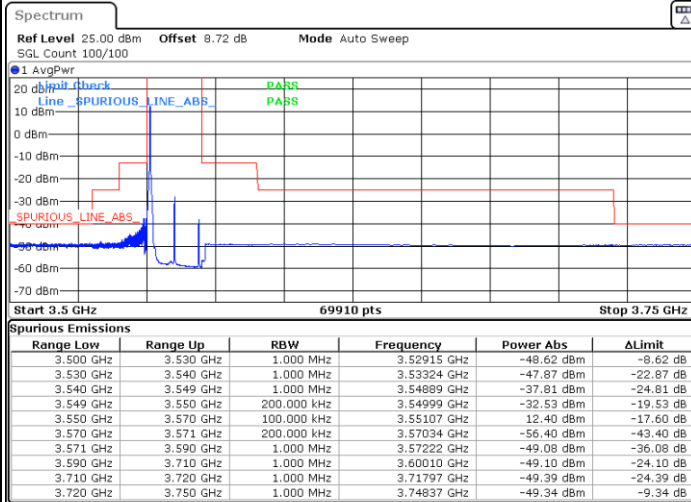


LTE Band 48 / 20MHz

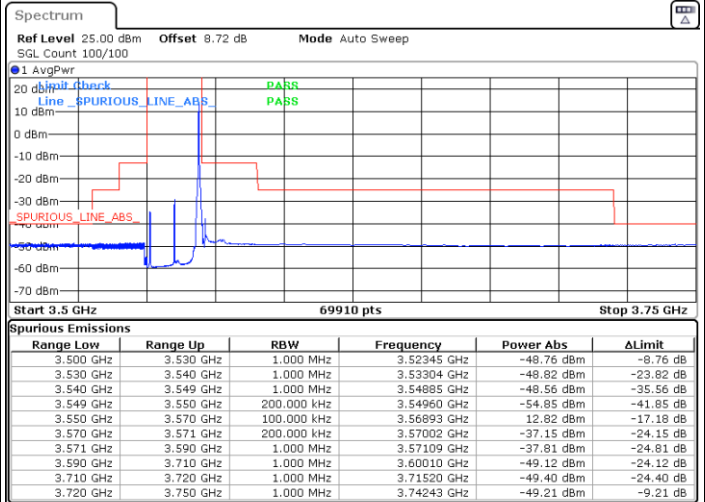
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



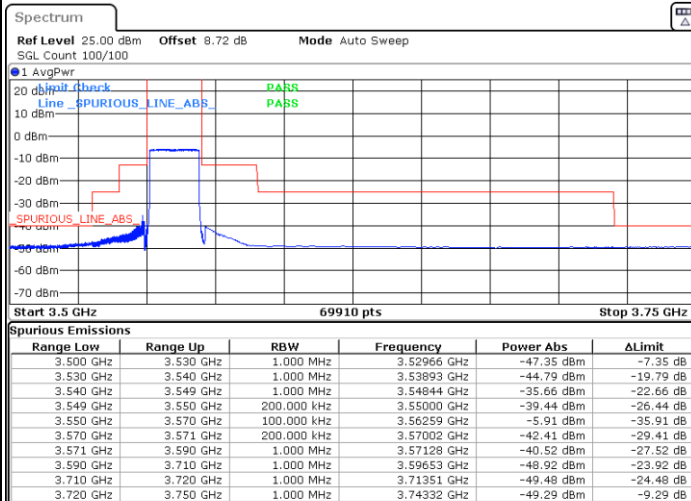
Date: 29 SEP 2022 05:26:56



Date: 29 SEP 2022 05:32:23

Lowest Channel / Full RB

N/A



Date: 29 SEP 2022 05:37:54

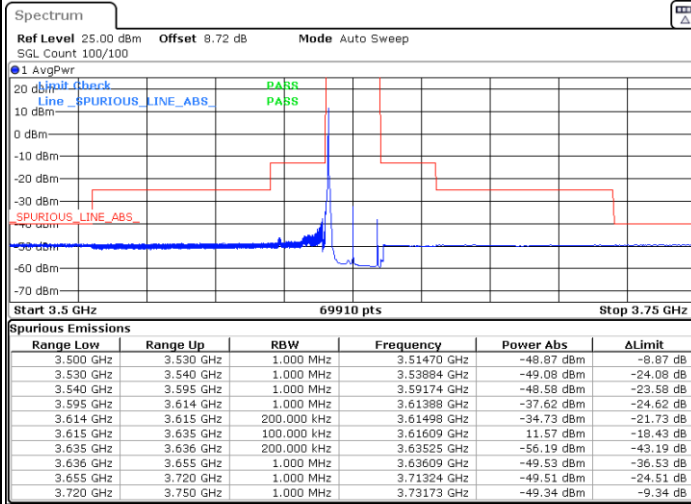


LTE Band 48 / 20MHz

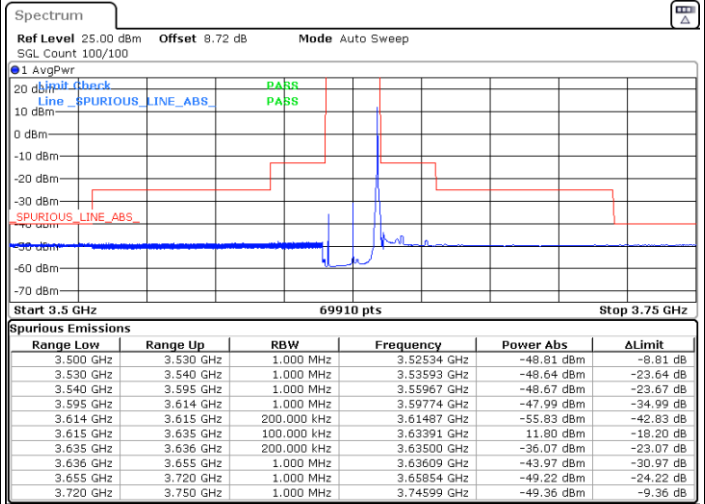
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



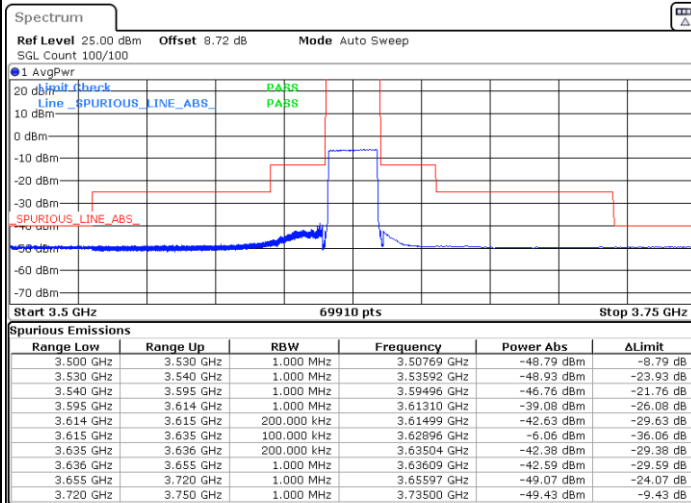
Date: 29 SEP. 2022 05:44:34



Date: 29 SEP. 2022 05:49:59

Middle Channel / Full RB

N/A



Date: 29 SEP. 2022 05:55:24

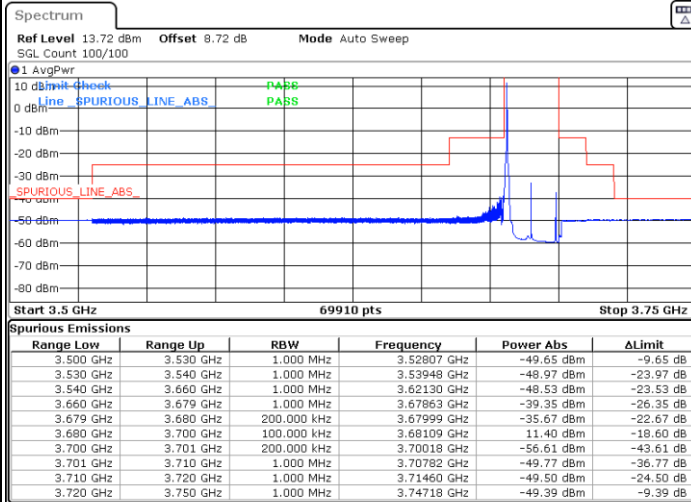


LTE Band 48 / 20MHz

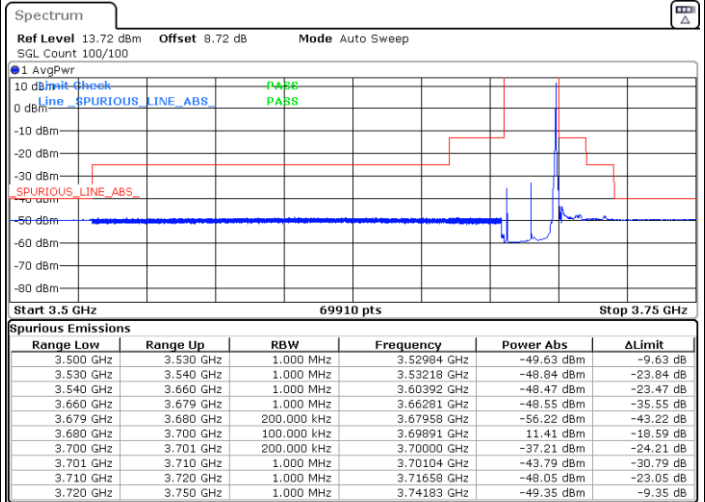
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



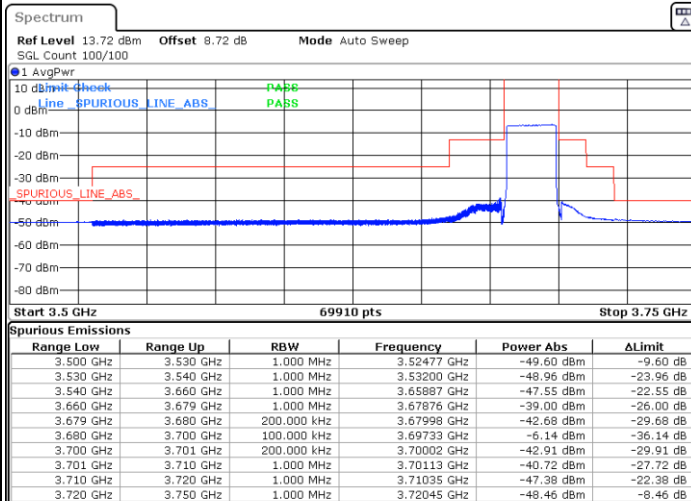
Date: 29 SEP. 2022 06:05:38



Date: 29 SEP. 2022 06:13:06

Highest Channel / Full RB

N/A



Date: 29 SEP. 2022 06:20:33



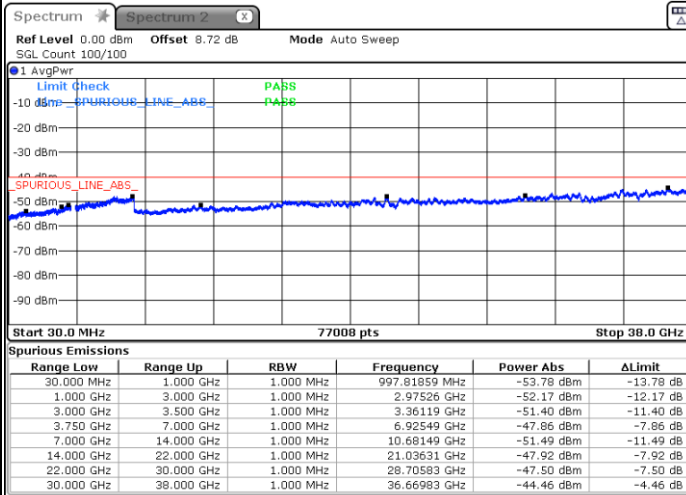
Conducted Spurious Emission

LTE Band 48 / 5MHz

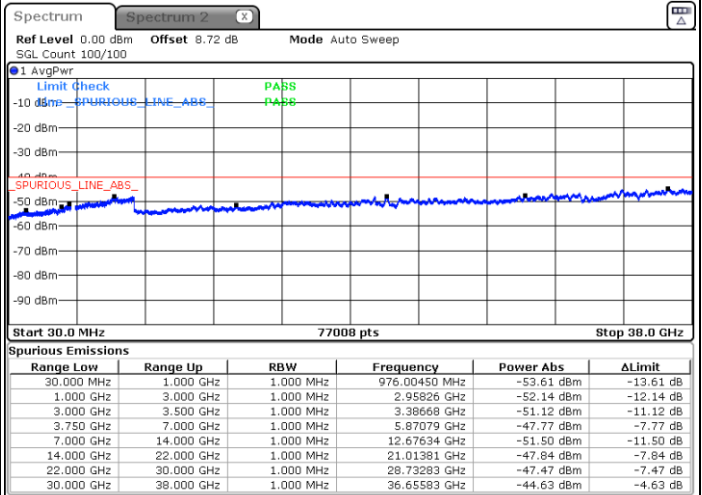
QPSK / 1RB0

Lowest Channel

Middle Channel

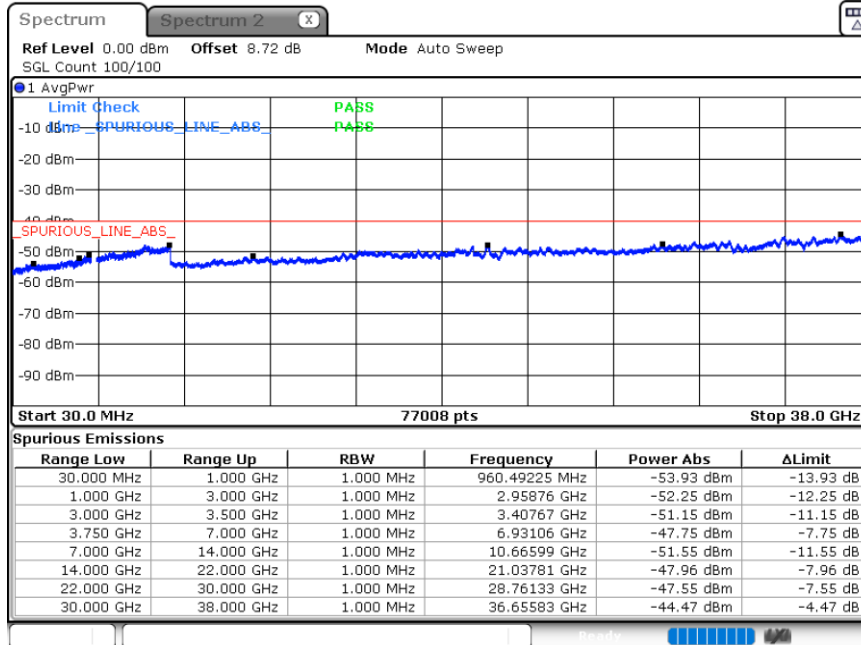


Date: 29.SEP.2022 17:05:54



Date: 29.SEP.2022 17:07:08

Highest Channel



Date: 29.SEP.2022 17:08:23

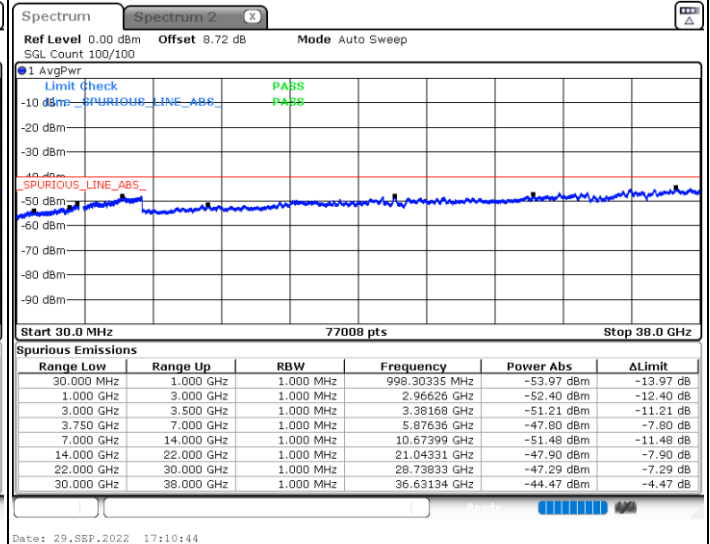
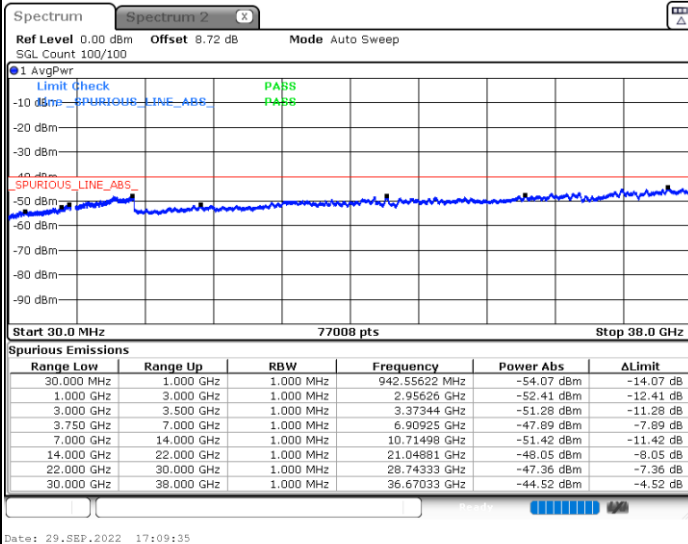


LTE Band 48 / 10MHz

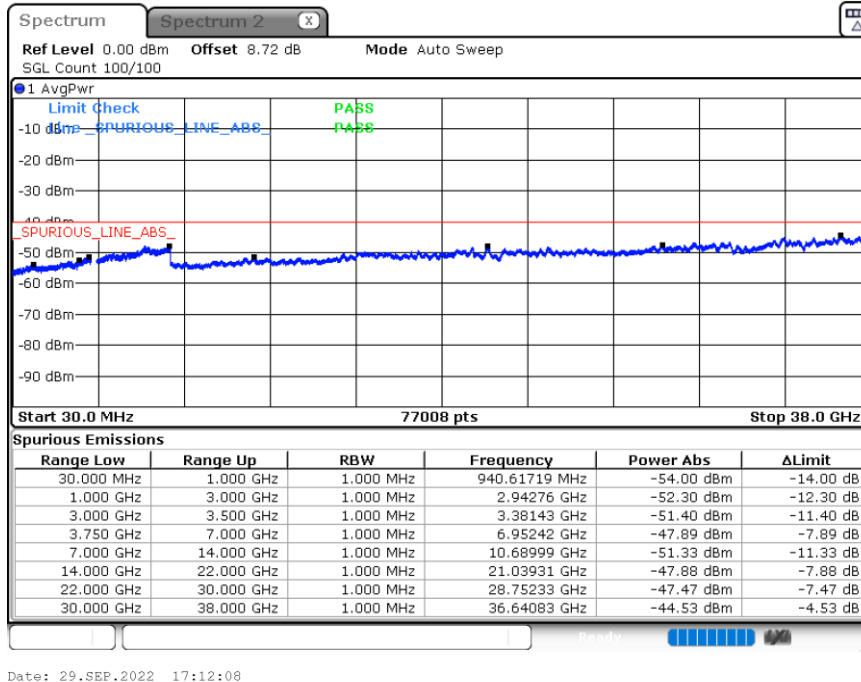
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



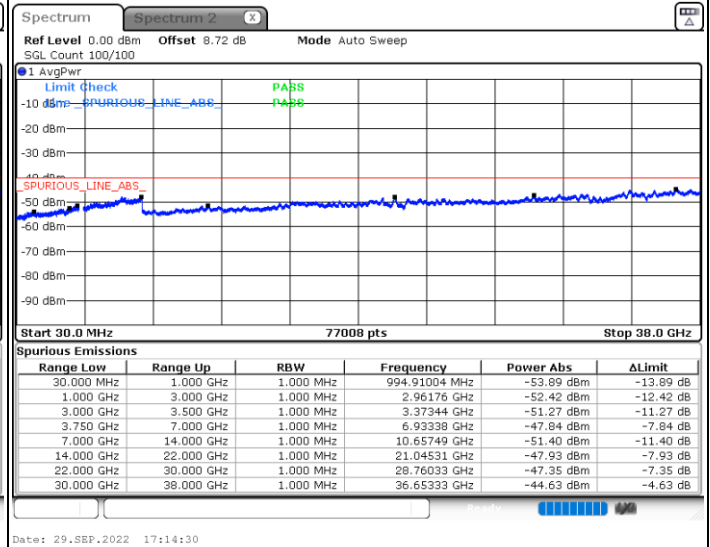
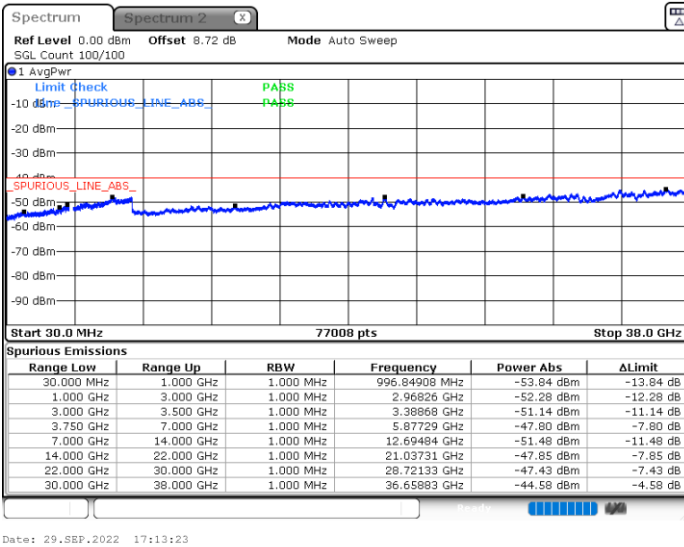


LTE Band 48 / 15MHz

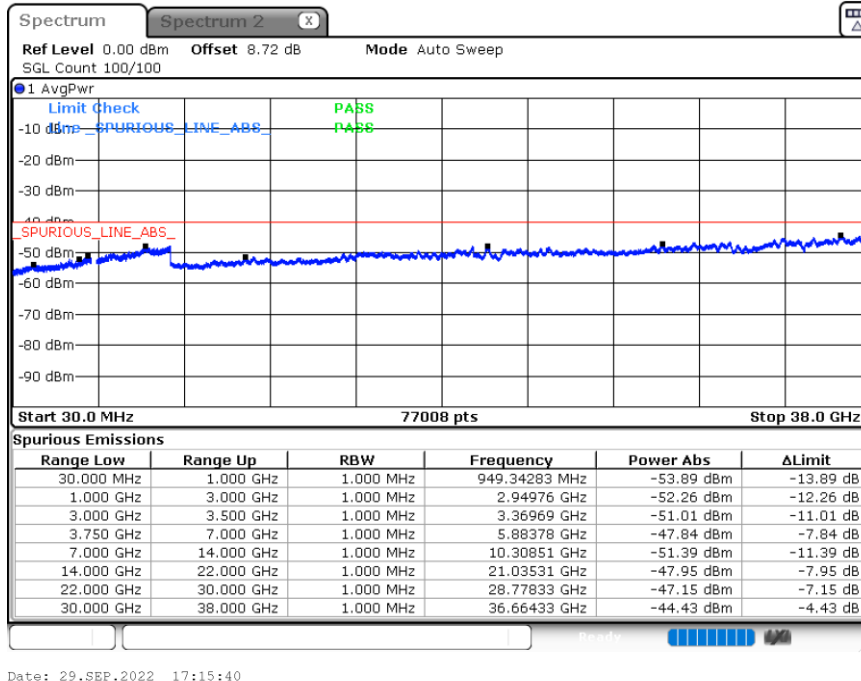
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



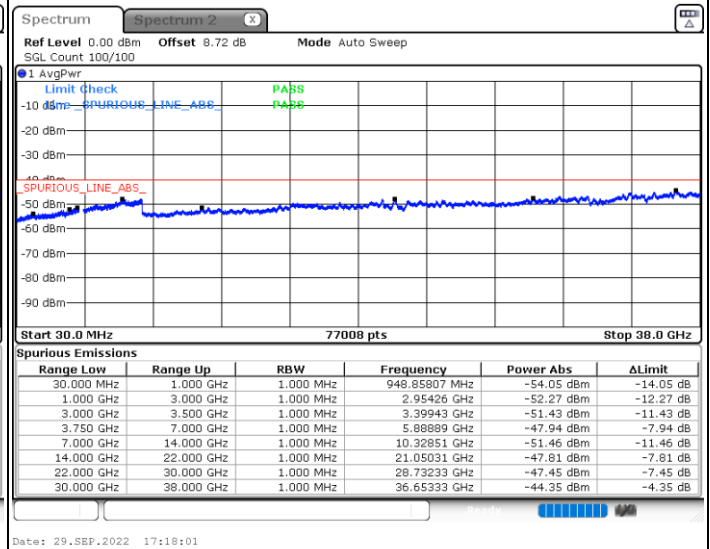
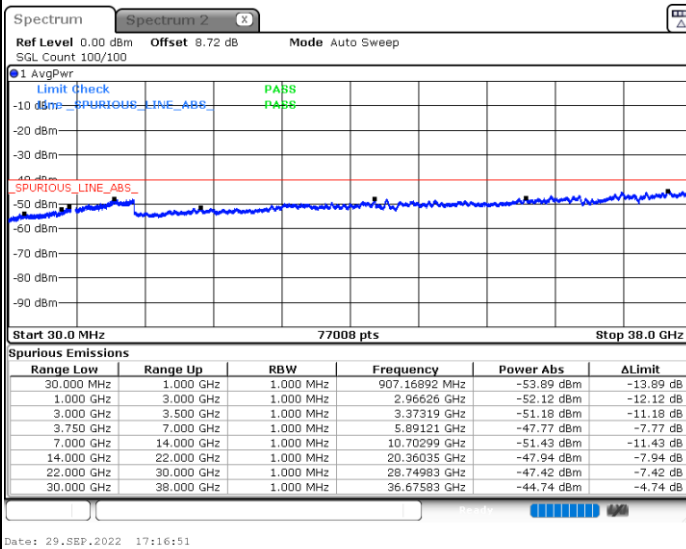


LTE Band 48 / 20MHz

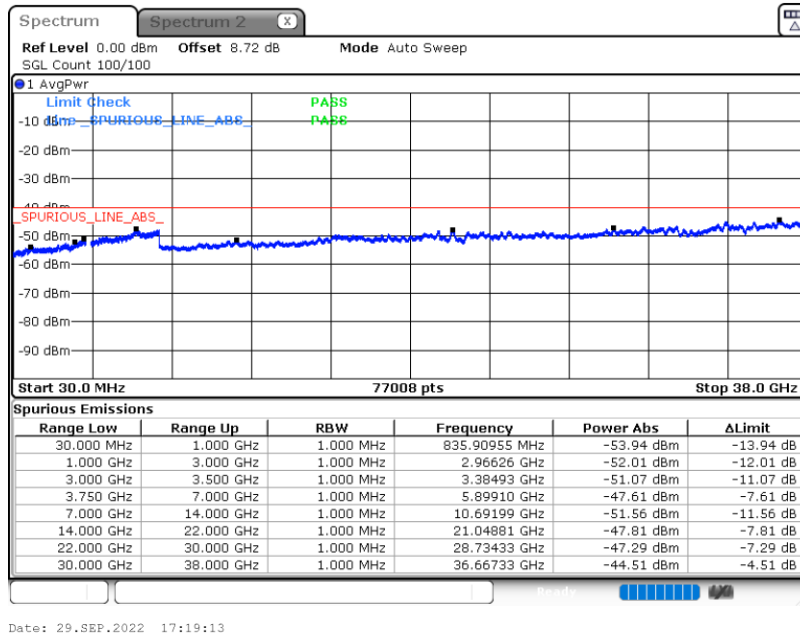
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



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	0.0035	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0033	
20	Battery End Point	0.0026	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhicheng Li	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for all the supported antennas, choose the worst antenna perform final test and record in the report.

LTE Band 48 / 20MHz / QPSK									
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	6982.00	-60.49	-40	-20.49	-65.57	-63.79	8.30	11.60	H
	10473.00	-58.18	-40	-18.18	-68.70	-59.70	10.48	12.00	H
	13964.00	-57.01	-40	-17.01	-68.08	-58.71	11.80	13.50	H
	6982.00	-60.72	-40	-20.72	-66.01	-64.02	8.30	11.60	V
	10473.00	-59.02	-40	-19.02	-68.74	-60.54	10.48	12.00	V
	13964.00	-56.20	-40	-16.20	-67.95	-57.90	11.80	13.50	V

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