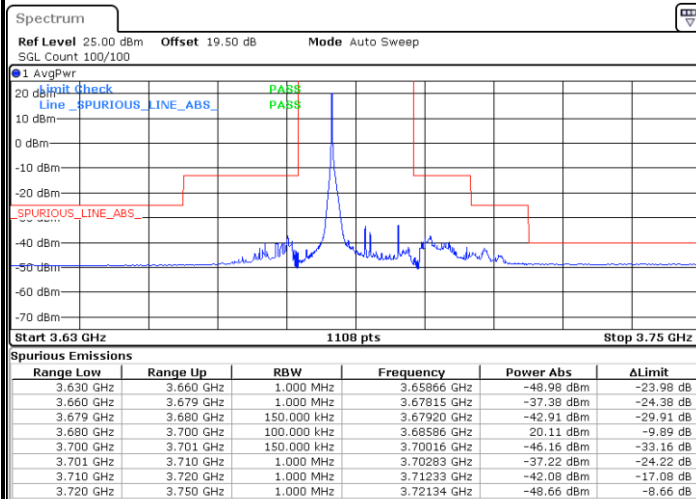




LTE Band 48 / 15MHz

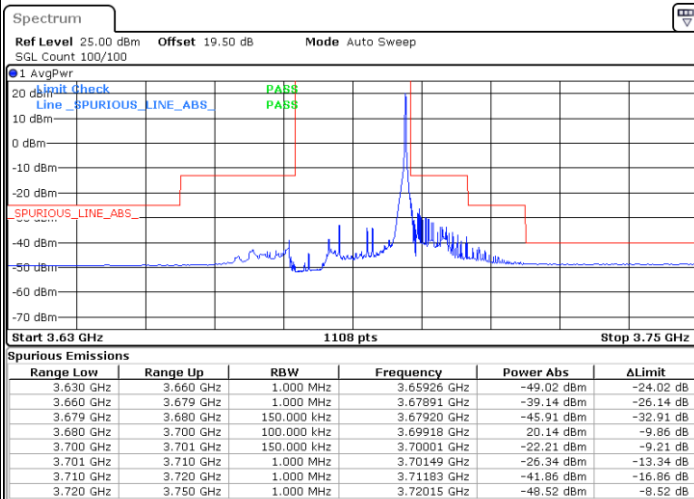
16QAM

Highest Channel / 1RB0



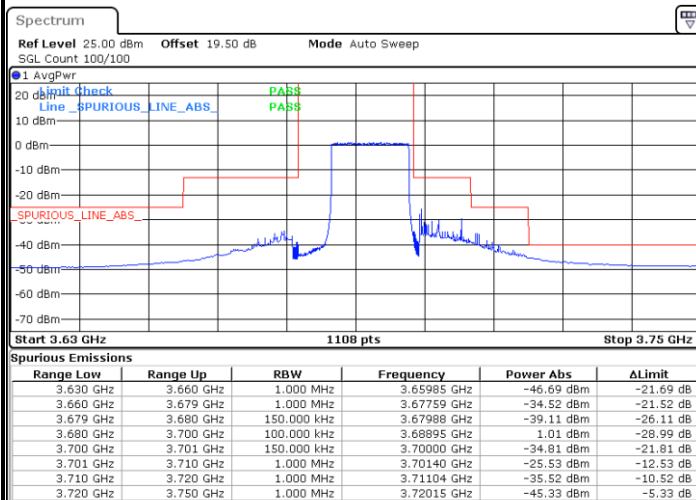
Date: 3 JAN 2025 22:32:01

Highest Channel / 1RBmax



Date: 3 JAN 2025 22:36:17

Highest Channel / FullRB



Date: 3 JAN 2025 22:40:33

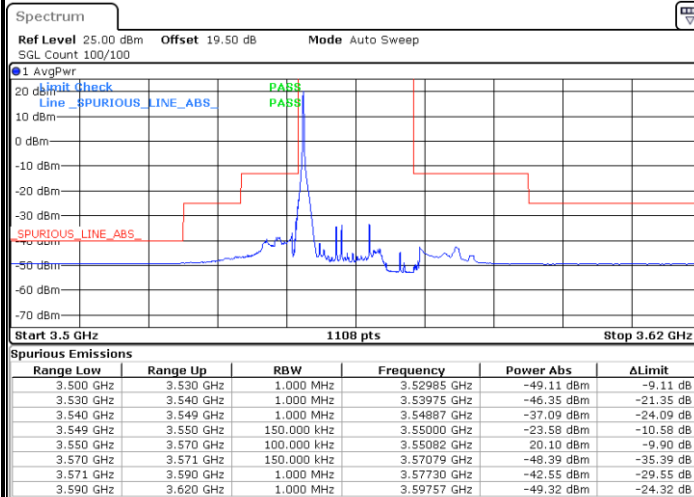
N/A



LTE Band 48 / 15MHz

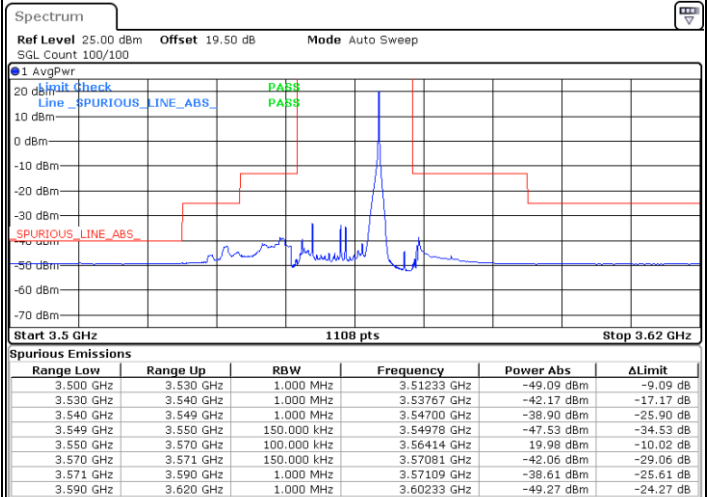
64QAM

Lowest Channel / 1RB0



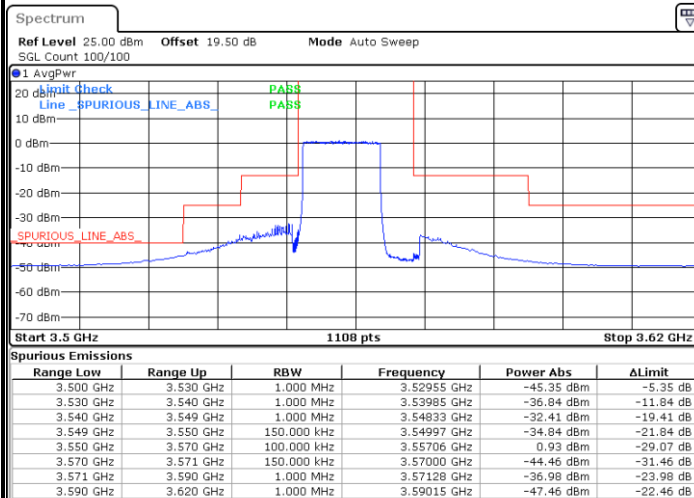
Date: 3 JAN 2025 21:43:42

Lowest Channel / 1RBmax



Date: 3 JAN 2025 21:50:50

Lowest Channel / FullRB



Date: 3 JAN 2025 21:52:15

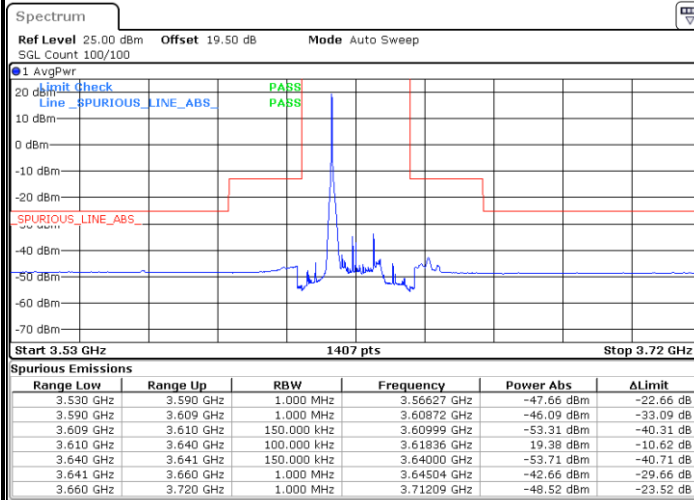
N/A



LTE Band 48 / 15MHz

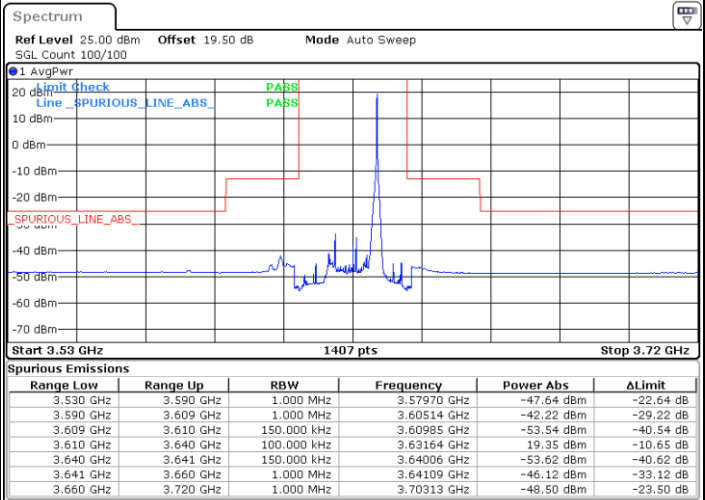
64QAM

Middle Channel / 1RB0



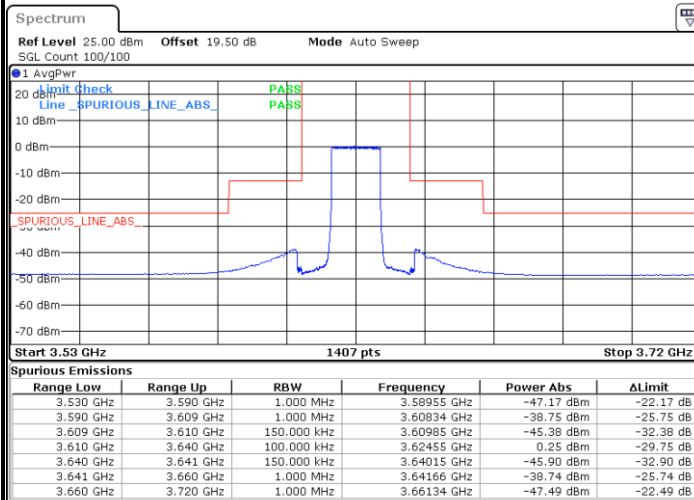
Date: 6.JAN.2025 14:04:30

Middle Channel / 1RBmax



Date: 6.JAN.2025 13:58:14

Middle Channel / FullRB



Date: 6.JAN.2025 13:56:39

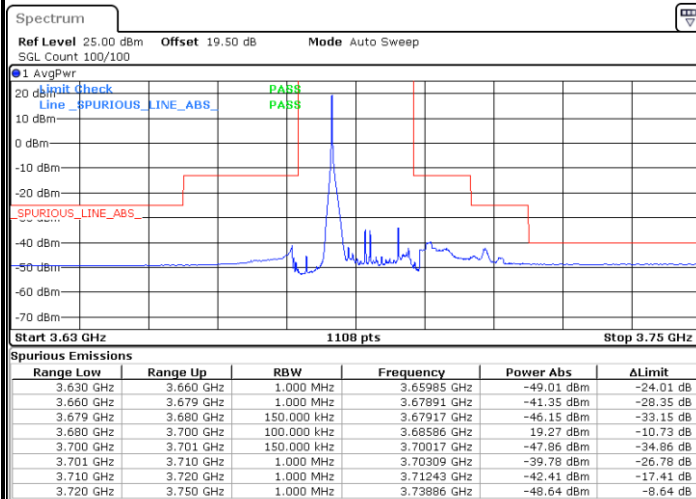
N/A



LTE Band 48 / 15MHz

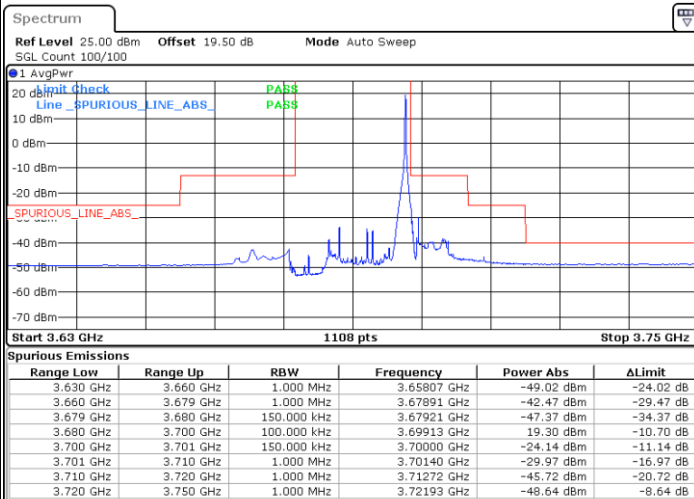
64QAM

Highest Channel / 1RB0



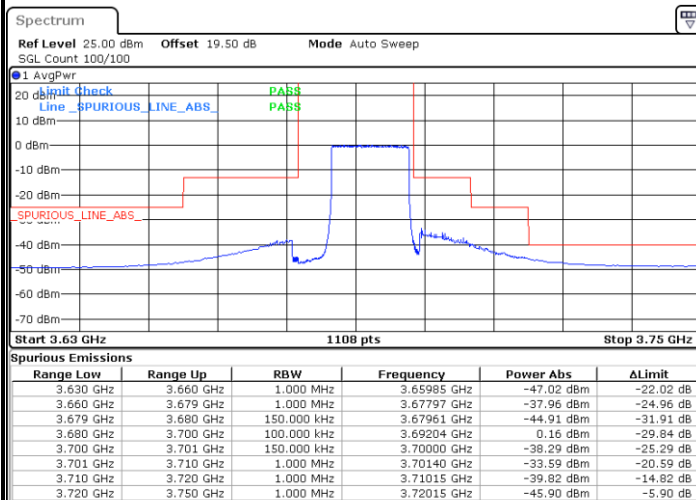
Date: 3 JAN 2025 22:30:36

Highest Channel / 1RBmax



Date: 3 JAN 2025 22:37:42

Highest Channel / FullRB



Date: 3 JAN 2025 22:39:08

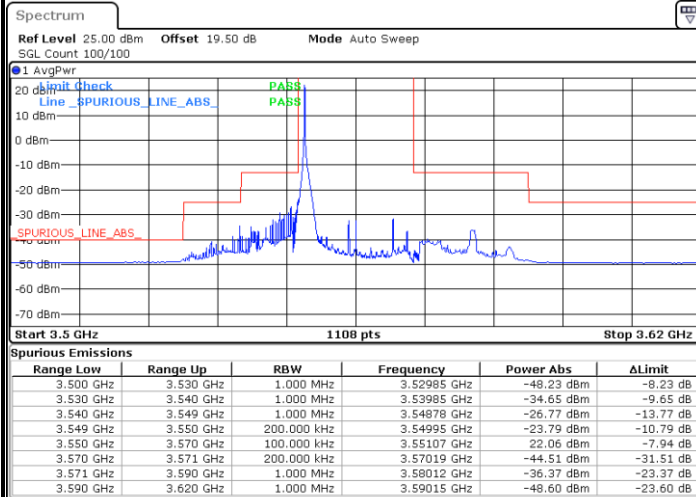
N/A



LTE Band 48 / 20MHz

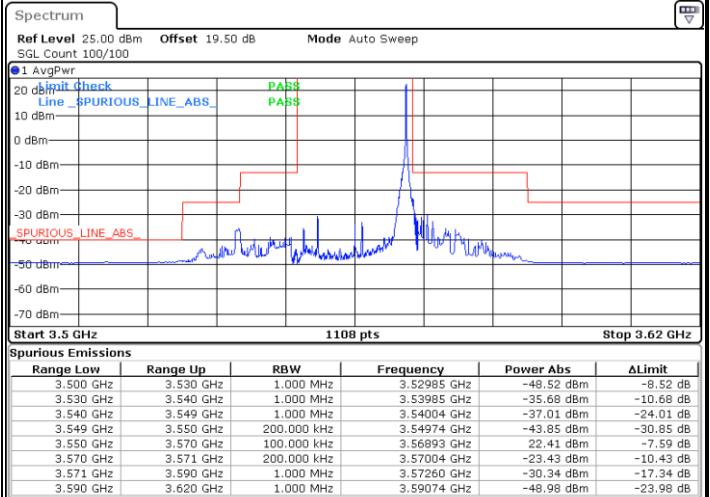
QPSK

Lowest Channel / 1RB0



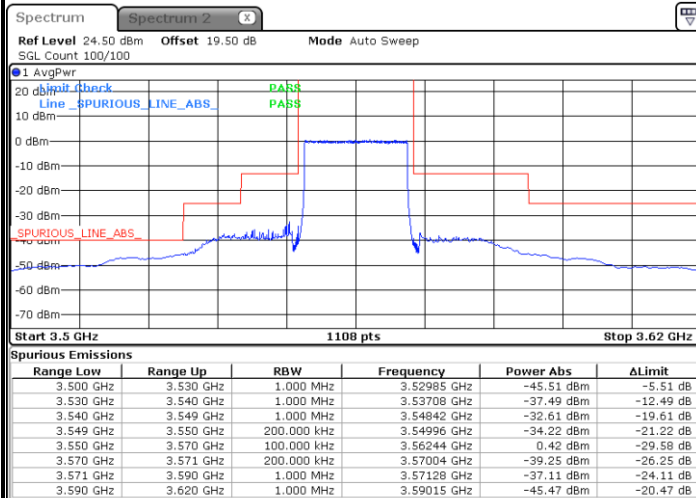
Date: 3 JAN 2025 22:53:20

Lowest Channel / 1RBmax



Date: 3 JAN 2025 23:00:28

Lowest Channel / FullIRB



Date: 14 JAN 2025 17:42:09

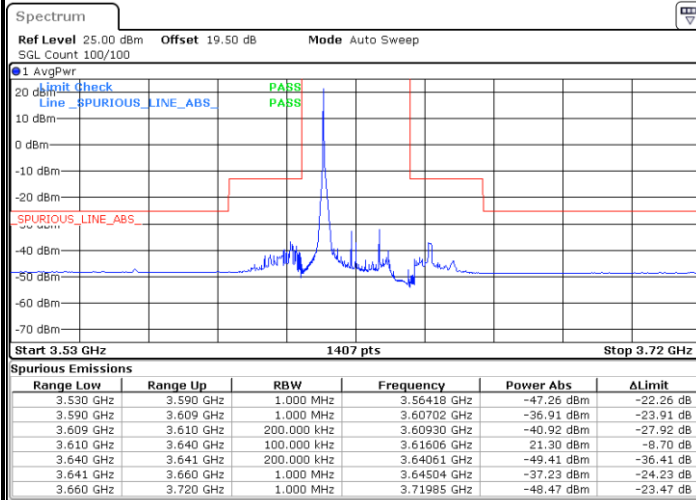
N/A



LTE Band 48 / 20MHz

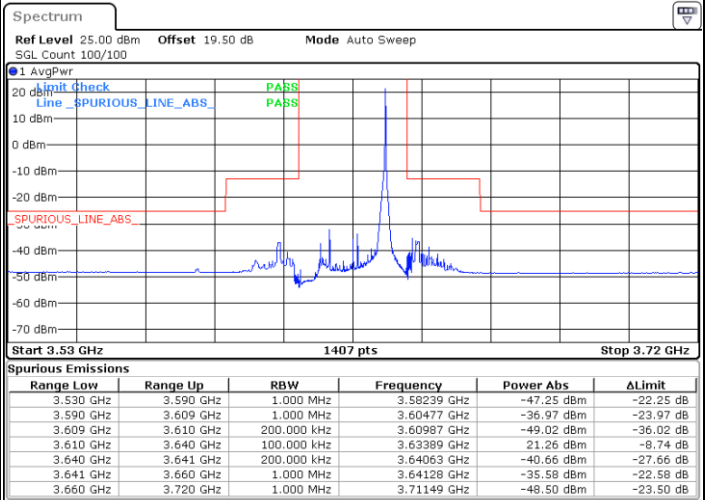
QPSK

Middle Channel / 1RB0



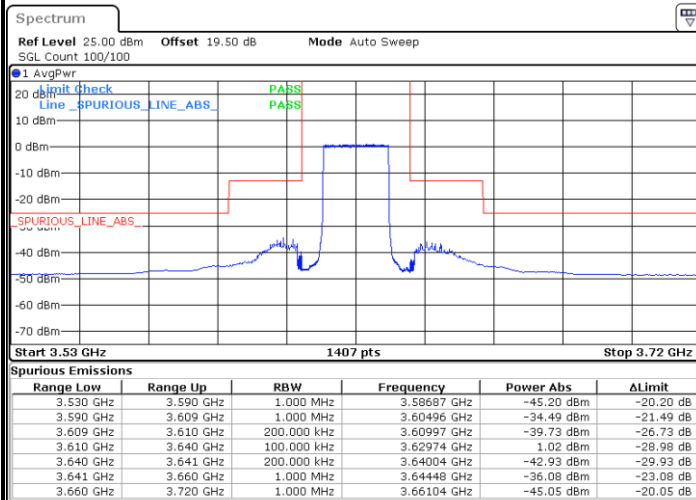
Date: 6.JAN.2025 14:23:31

Middle Channel / 1RBmax



Date: 6.JAN.2025 14:15:45

Middle Channel / FullRB



Date: 6.JAN.2025 14:14:11

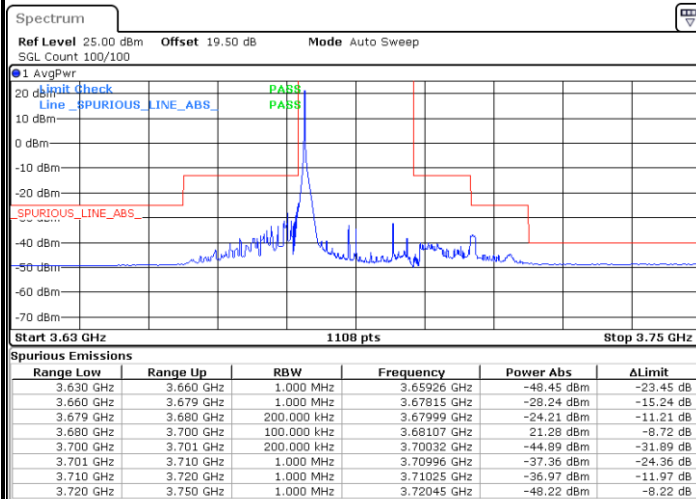
N/A



LTE Band 48 / 20MHz

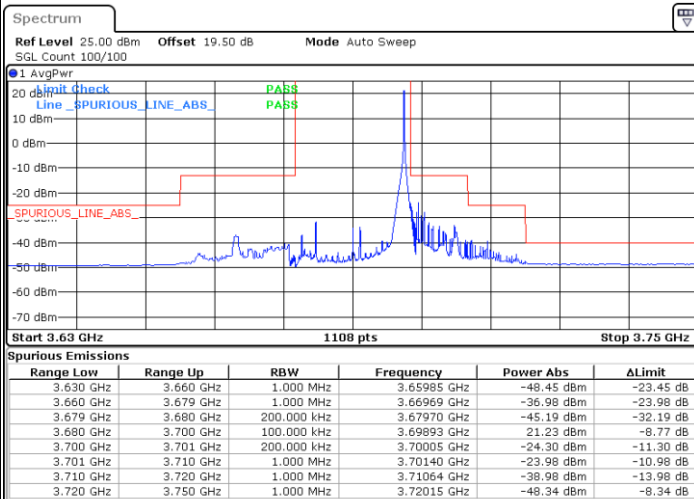
QPSK

Highest Channel / 1RB0



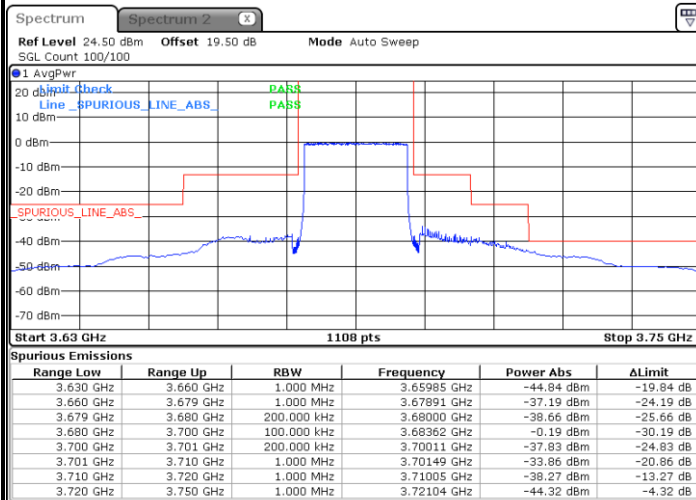
Date: 3 JAN 2025 23:41:10

Highest Channel / 1RBmax



Date: 3 JAN 2025 23:48:15

Highest Channel / FullRB



Date: 14 JAN 2025 17:47:05

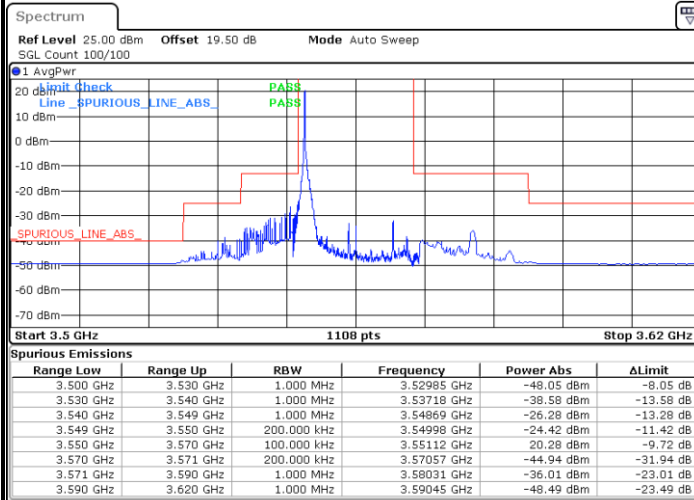
N/A



LTE Band 48 / 20MHz

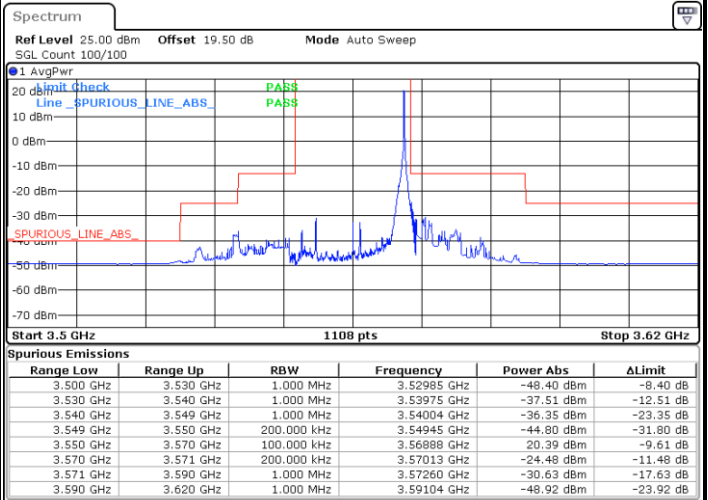
16QAM

Lowest Channel / 1RB0



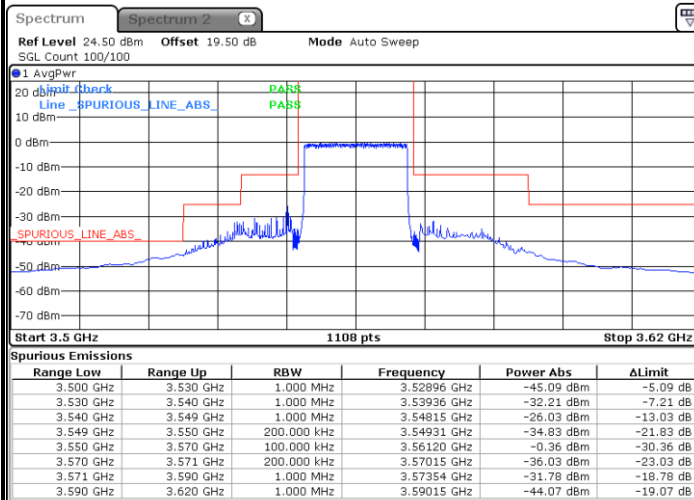
Date: 3 JAN 2025 22:54:46

Lowest Channel / 1RBmax



Date: 3 JAN 2025 22:59:03

Lowest Channel / FullIRB



Date: 14 JAN 2025 17:44:15

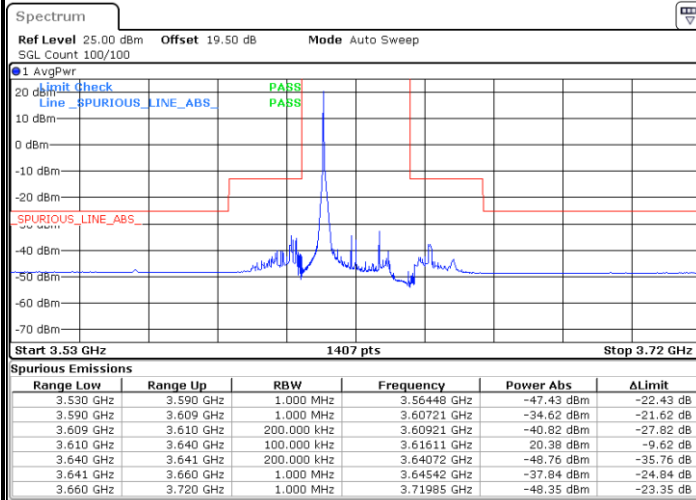
N/A



LTE Band 48 / 20MHz

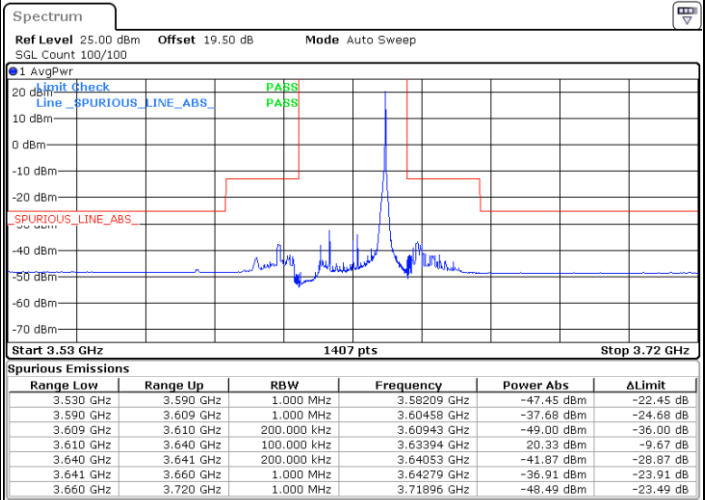
16QAM

Middle Channel / 1RB0



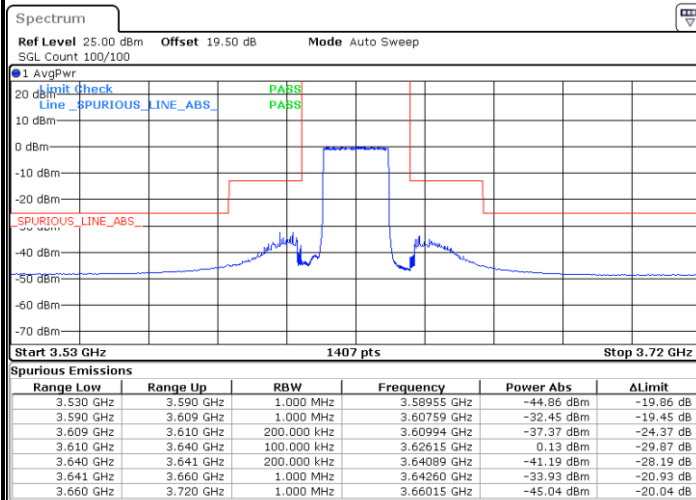
Date: 6.JAN.2025 14:21:58

Middle Channel / 1RBmax



Date: 6.JAN.2025 14:17:18

Middle Channel / FullRB



Date: 6.JAN.2025 14:12:38

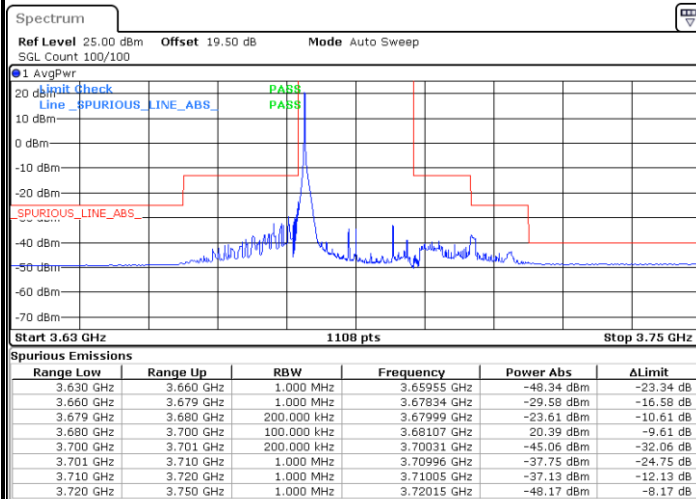
N/A



LTE Band 48 / 20MHz

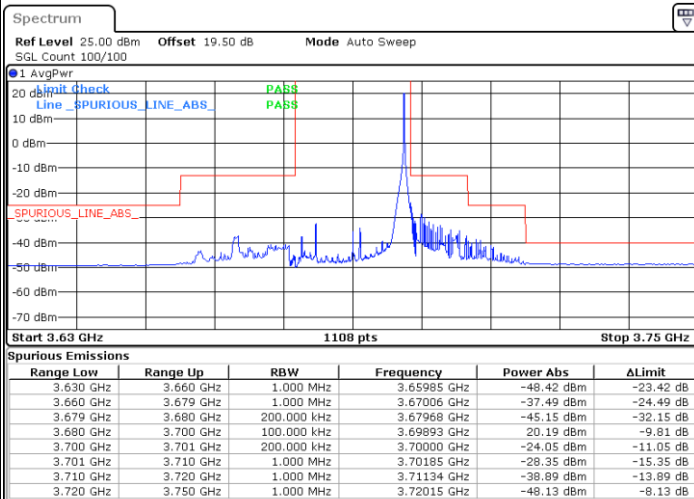
16QAM

Highest Channel / 1RB0



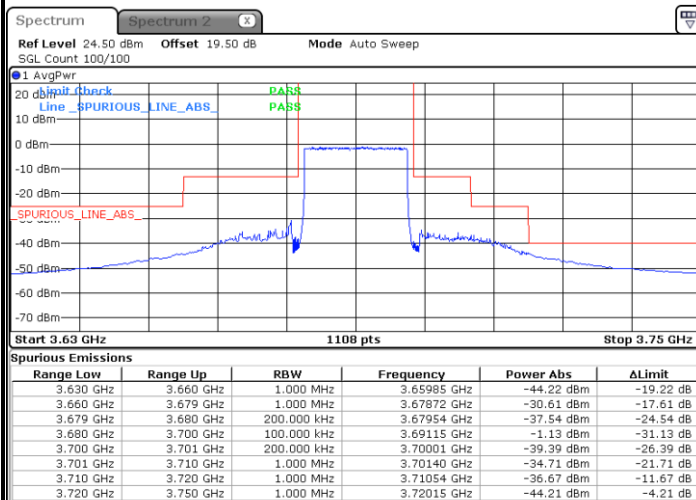
Date: 3 JAN 2025 23:42:35

Highest Channel / 1RBmax



Date: 3 JAN 2025 23:46:50

Highest Channel / FullRB



Date: 14 JAN 2025 17:45:50

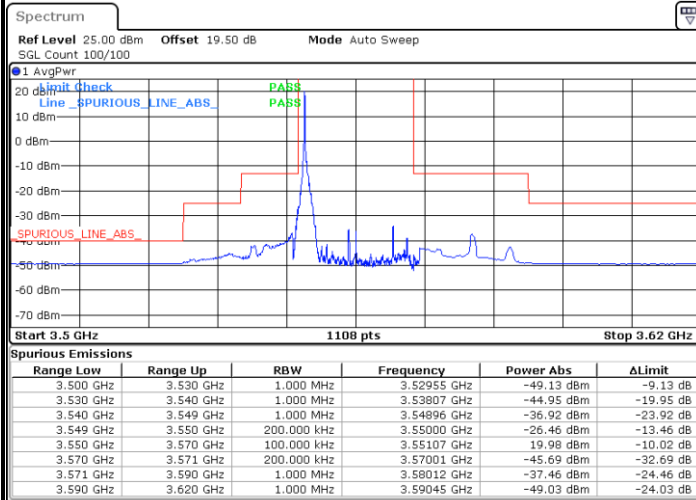
N/A



LTE Band 48 / 20MHz

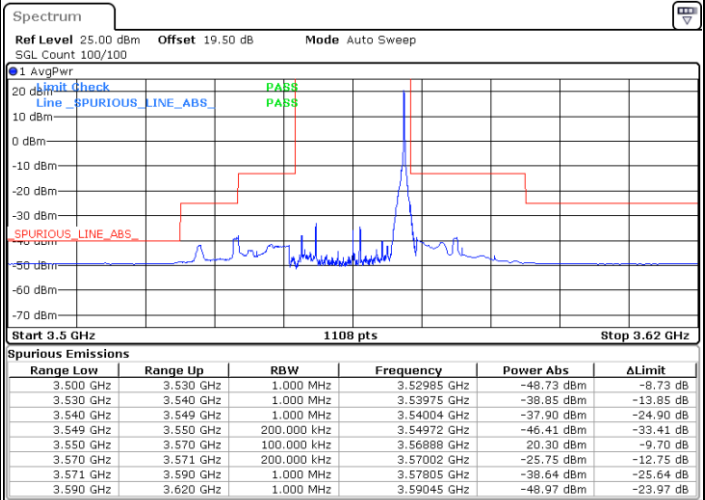
64QAM

Lowest Channel / 1RB0



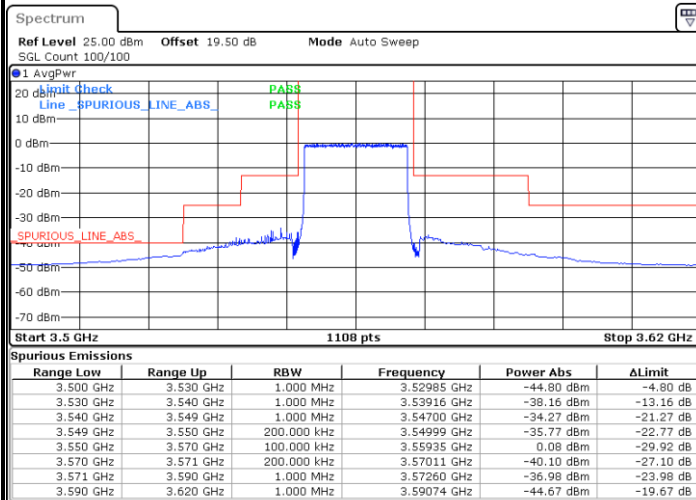
Date: 3 JAN 2025 22:56:11

Lowest Channel / 1RBmax



Date: 3 JAN 2025 22:57:37

Lowest Channel / FullRB



Date: 3 JAN 2025 23:04:45

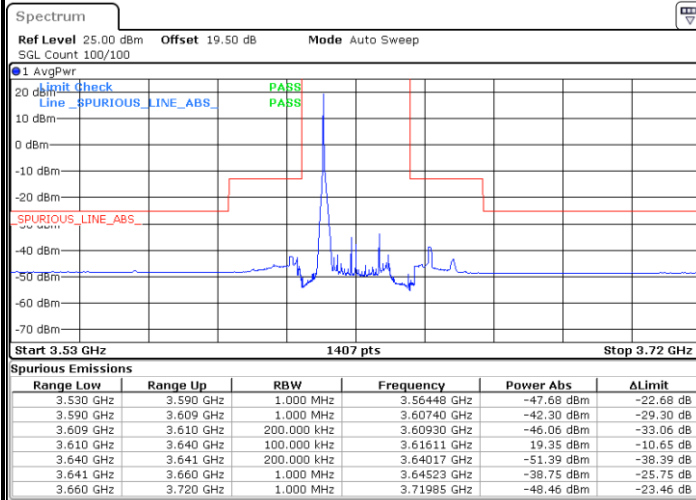
N/A



LTE Band 48 / 20MHz

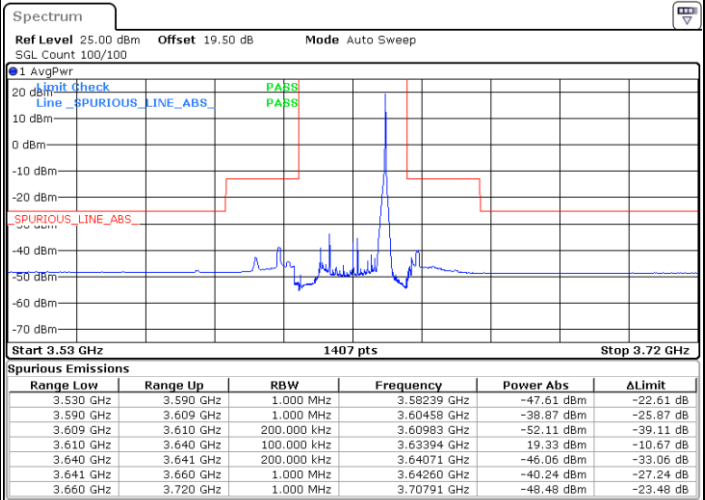
64QAM

Middle Channel / 1RB0



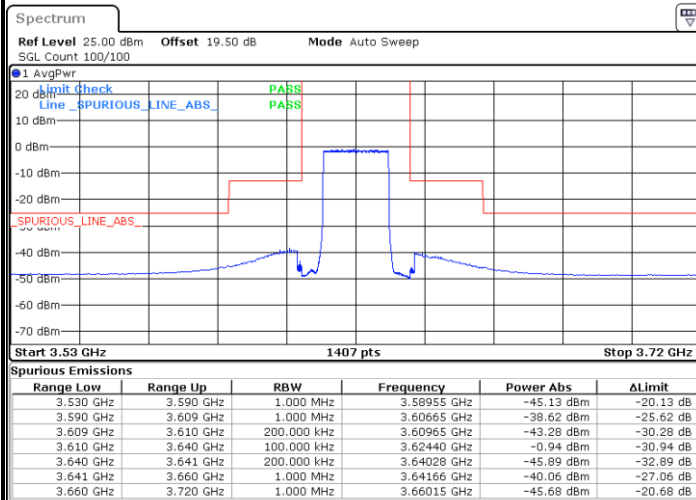
Date: 6.JAN.2025 14:20:24

Middle Channel / 1RBmax



Date: 6.JAN.2025 14:18:51

Middle Channel / FullRB



Date: 6.JAN.2025 14:11:05

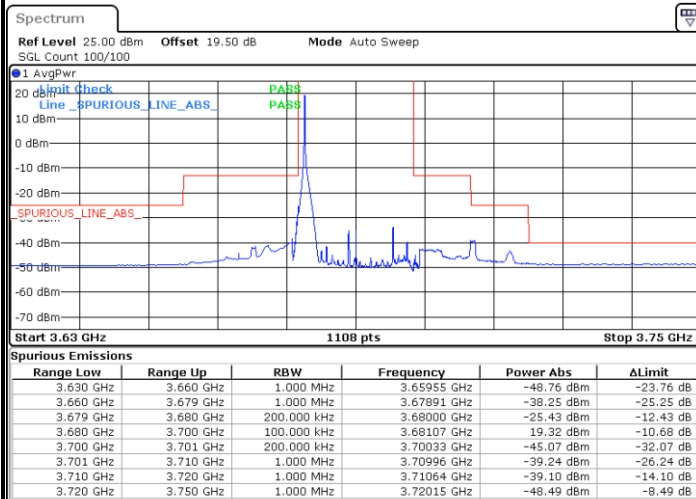
N/A



LTE Band 48 / 20MHz

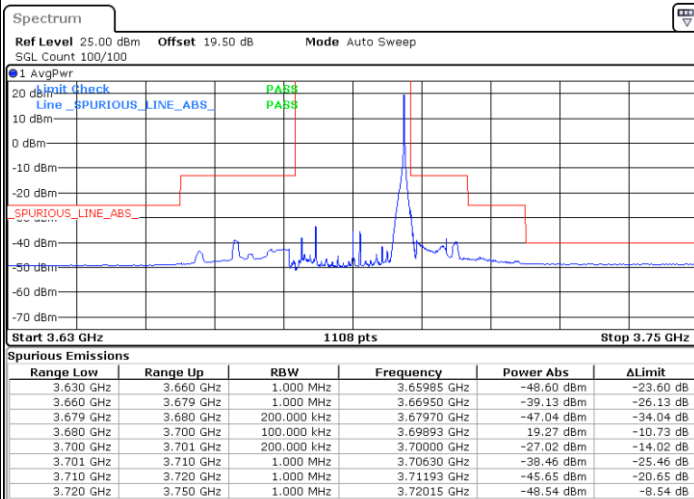
64QAM

Highest Channel / 1RB0



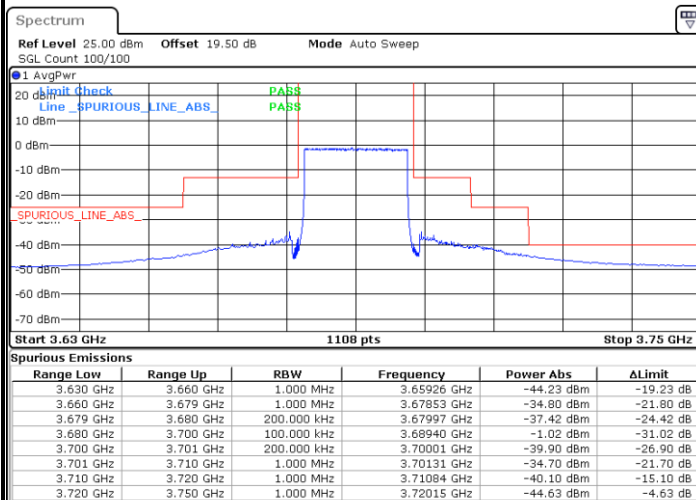
Date: 3 JAN 2025 23:44:00

Highest Channel / 1RBmax



Date: 3 JAN 2025 23:45:25

Highest Channel / FullRB



Date: 3 JAN 2025 23:52:31

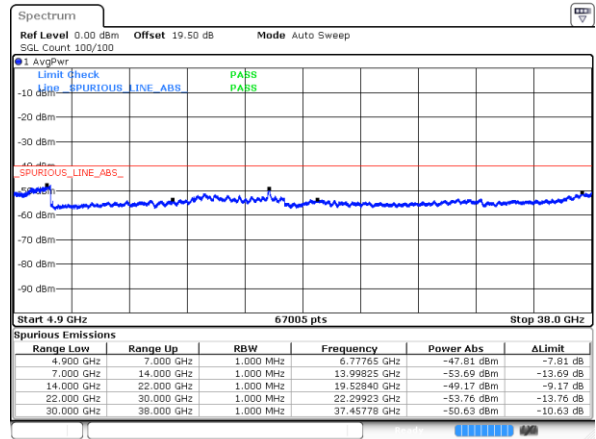
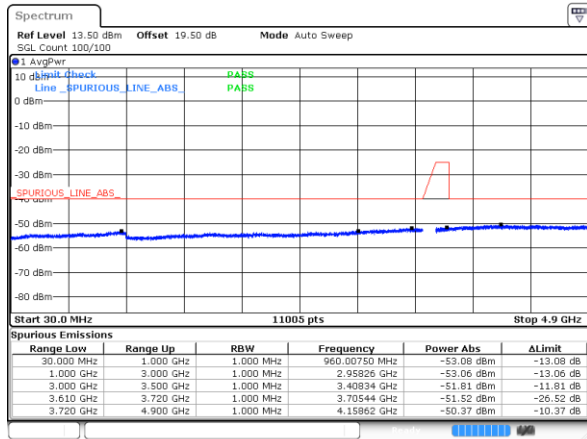
N/A



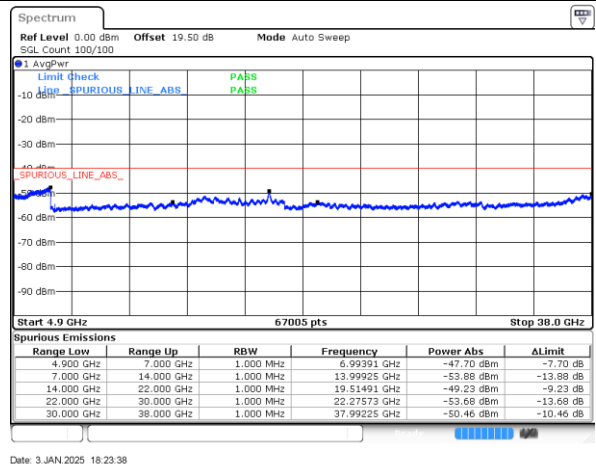
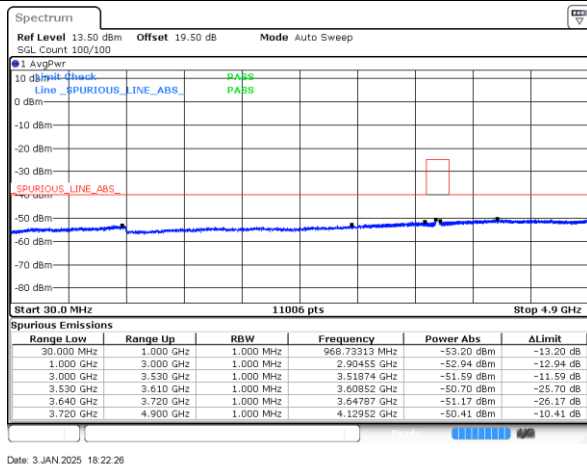
Conducted Spurious Emission

LTE Band 48 / 5MHz

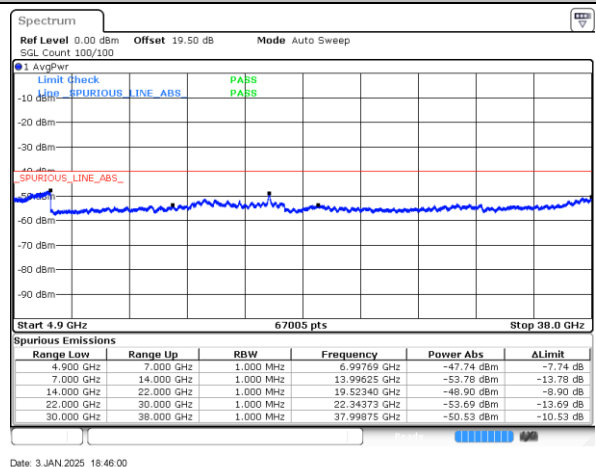
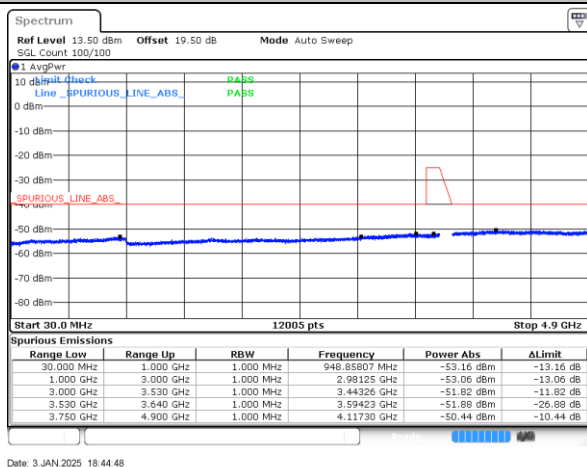
Lowest Channel / QPSK



Middle Channel / QPSK



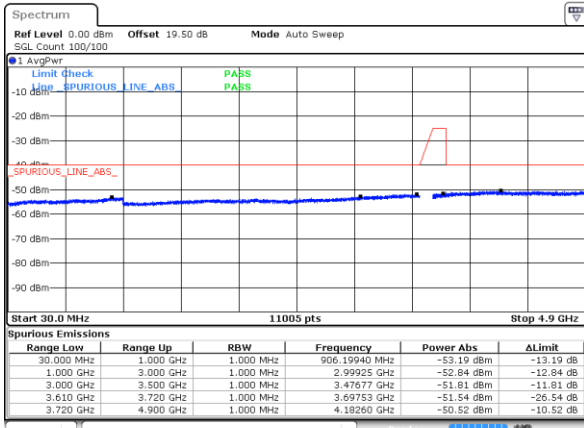
Highest Channel / QPSK



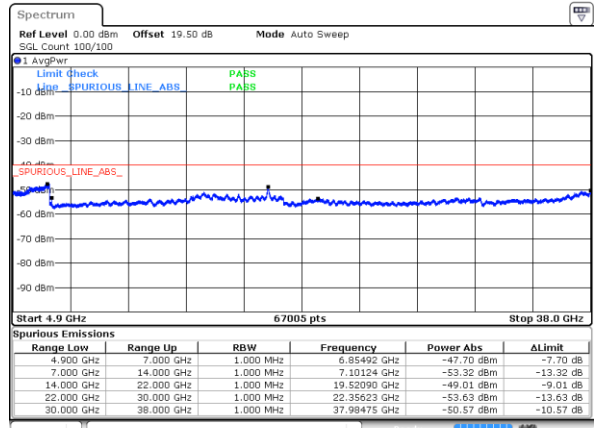


LTE Band 48 / 10MHz

Lowest Channel / QPSK

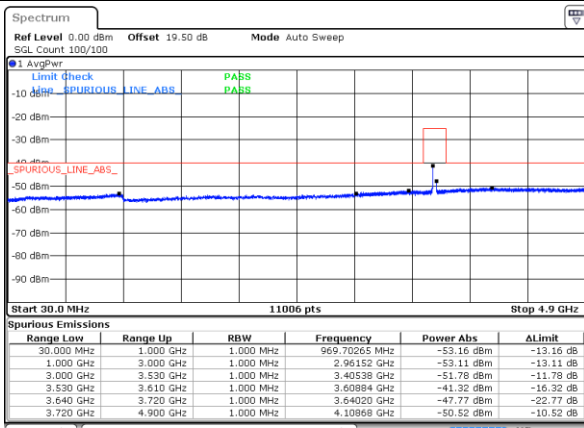


Date: 3 JAN 2025 19:07:38

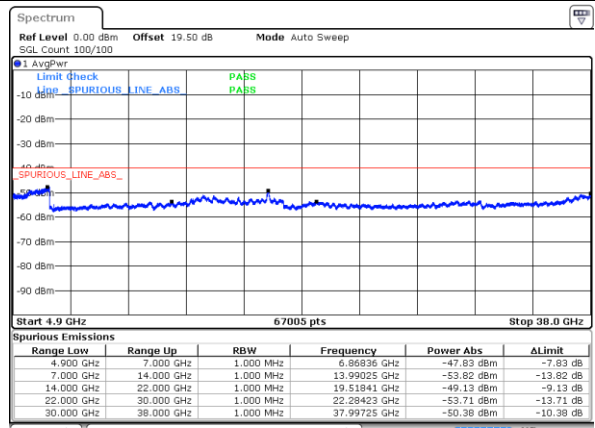


Date: 3 JAN 2025 19:08:50

Middle Channel / QPSK

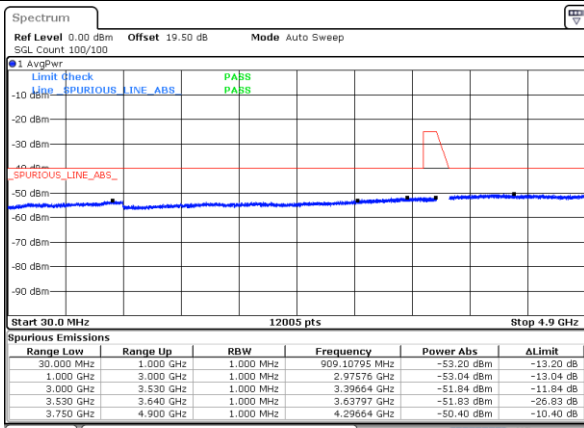


Date: 3 JAN 2025 19:30:59

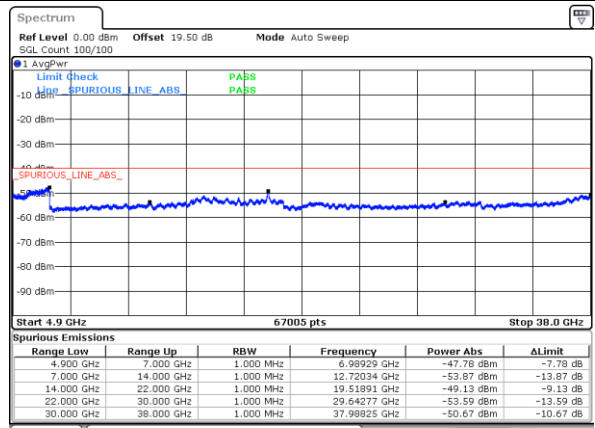


Date: 3 JAN 2025 19:32:12

Highest Channel / QPSK



Date: 3 JAN 2025 21:33:36

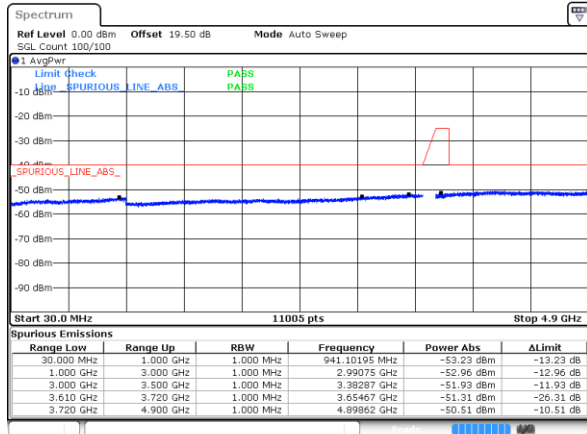


Date: 3 JAN 2025 21:34:49

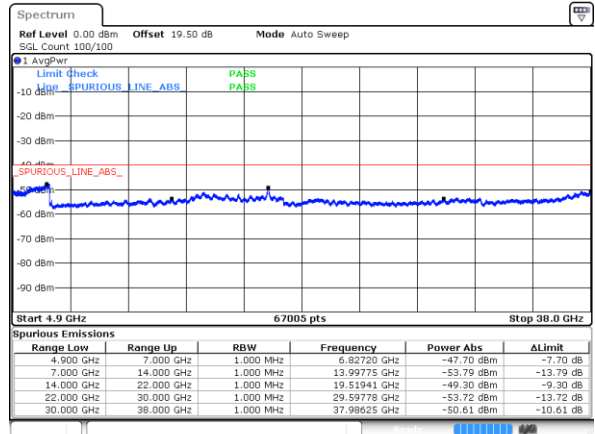


LTE Band 48 / 15MHz

Lowest Channel / QPSK

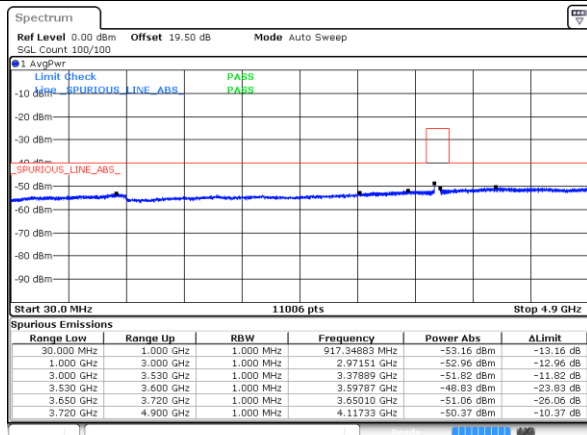


Date: 3 JAN 2025 21:56:31

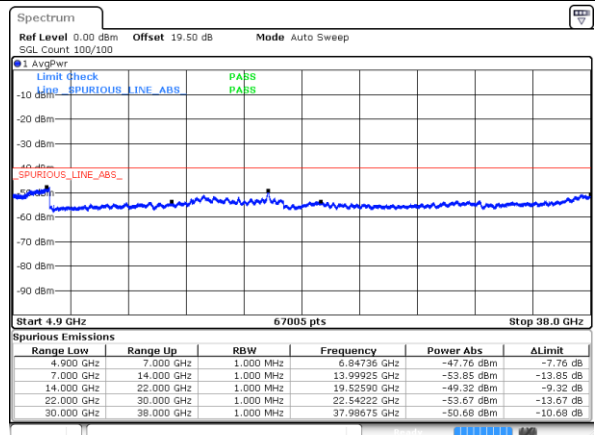


Date: 3 JAN 2025 21:57:44

Middle Channel / QPSK

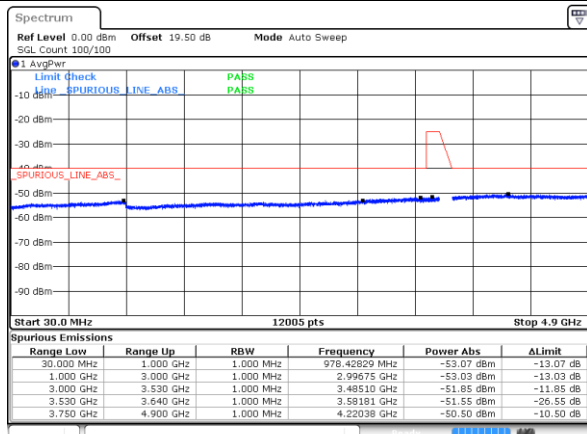


Date: 3 JAN 2025 22:21:10

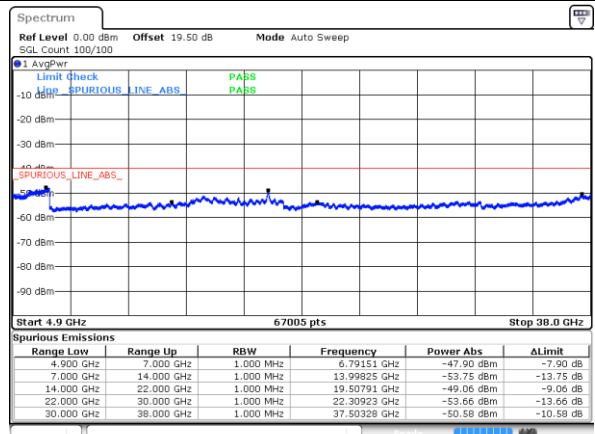


Date: 3 JAN 2025 22:22:23

Highest Channel / QPSK



Date: 3 JAN 2025 22:43:24

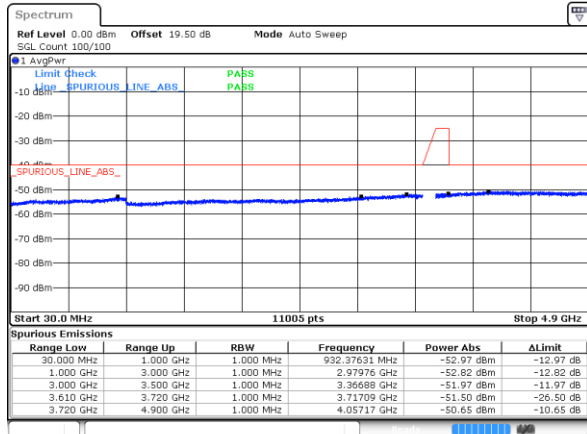


Date: 3 JAN 2025 22:44:36

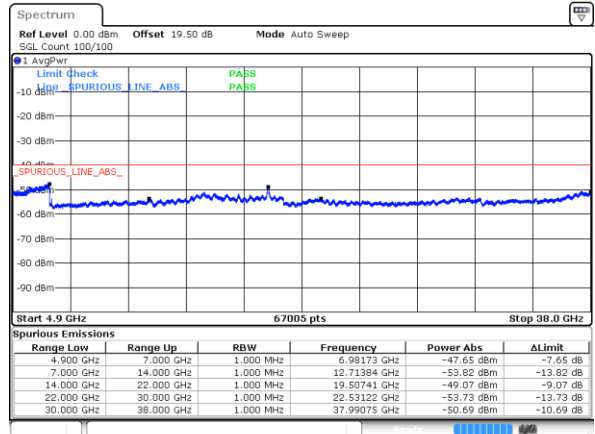


LTE Band 48 / 20MHz

Lowest Channel / QPSK

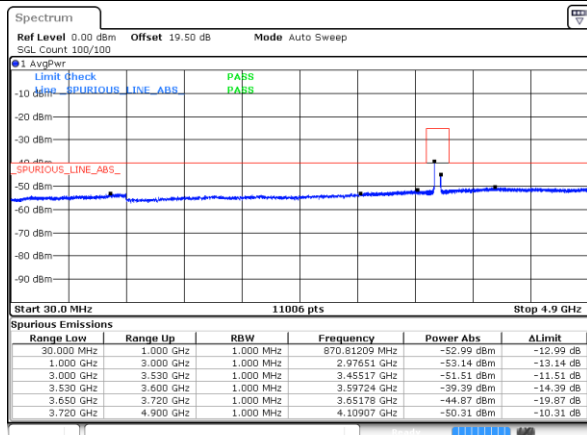


Date: 3 JAN 2025 23:06:11

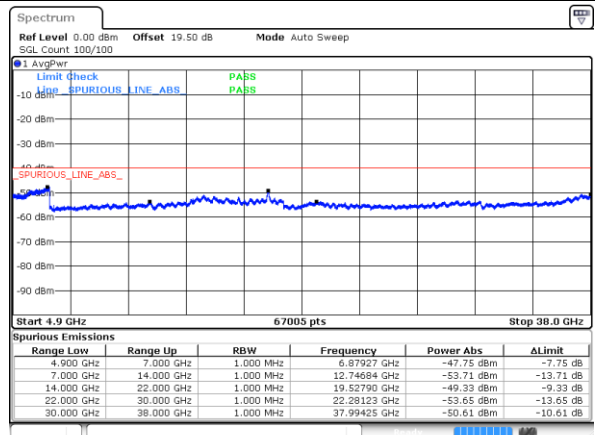


Date: 3 JAN 2025 23:07:23

Middle Channel / QPSK

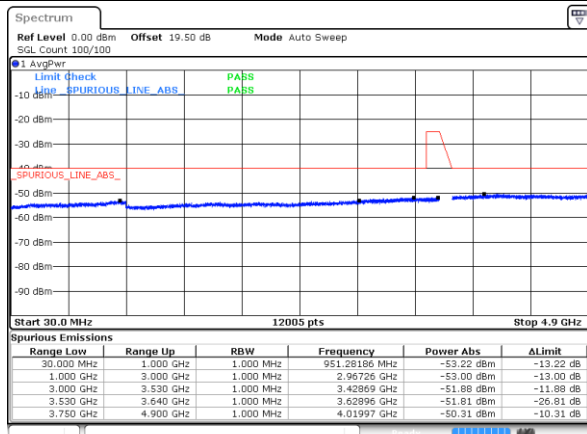


Date: 3 JAN 2025 23:30:37

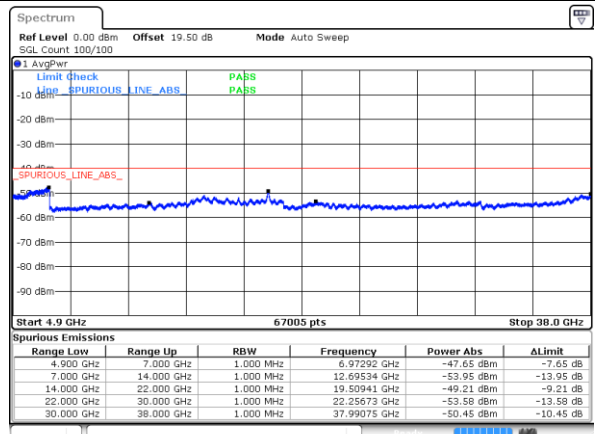


Date: 3 JAN 2025 23:31:49

Highest Channel / QPSK



Date: 3 JAN 2025 23:53:56



Date: 3 JAN 2025 23:55:09

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	0.0051	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0073	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0037	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point = 3.5 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	PingZhou 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.7									
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	-59.50	-40	-19.50	-58.68	-62.80	8.30	11.60	H
	10848.00	-54.68	-40	-14.68	-59.25	-56.20	10.48	12.00	H
	14464.00	-48.82	-40	-8.82	-58.82	-50.52	11.80	13.50	H
	7232.00	-58.23	-40	-18.23	-57.72	-61.53	8.30	11.60	V
	10848.00	-55.19	-40	-15.19	-59.39	-56.71	10.48	12.00	V
	14464.00	-49.65	-40	-9.65	-59.07	-51.35	11.80	13.50	V

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