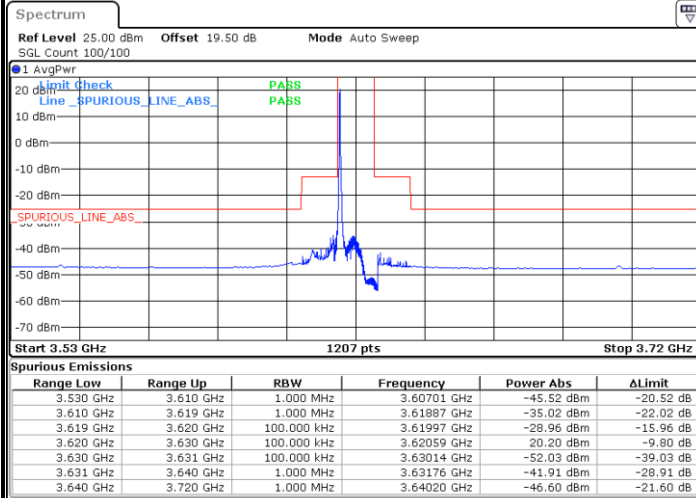




LTE Band 48 / 10MHz

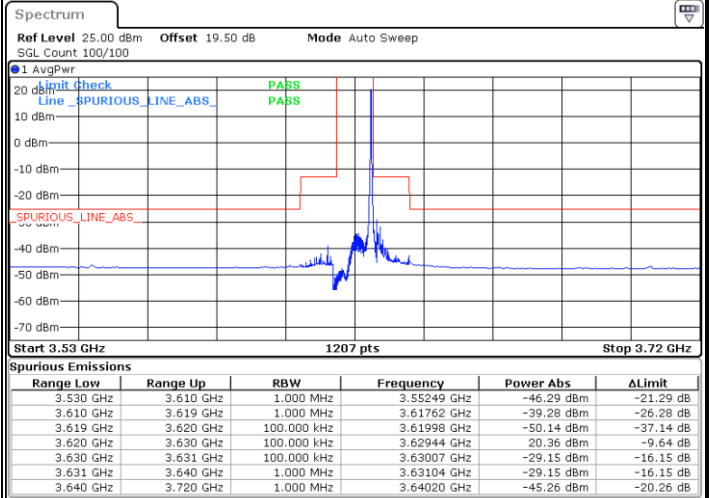
64QAM

Middle Channel / 1RB0



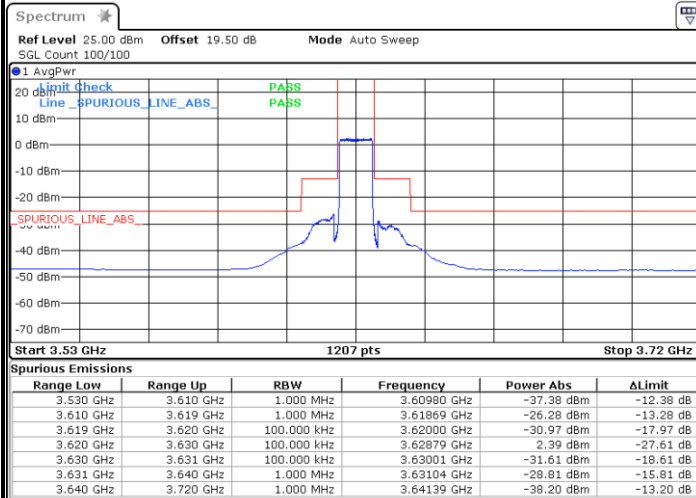
Date: 10.DEC.2025 19:50:14

Middle Channel / 1RBmax



Date: 10.DEC.2025 19:51:28

Middle Channel / FullRB



Date: 10.DEC.2025 19:46:10

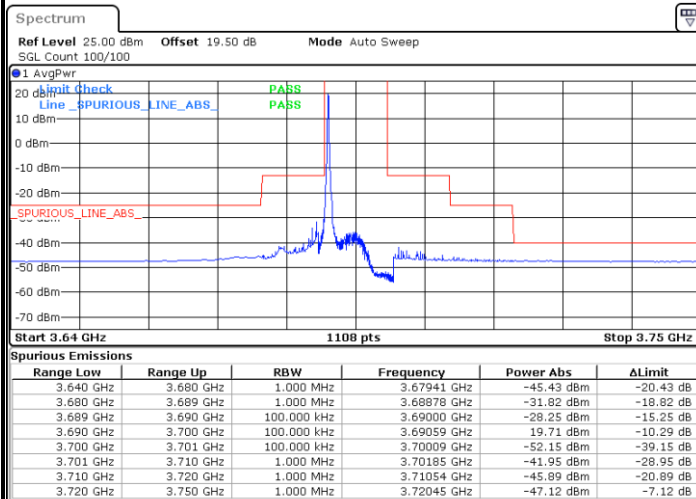
N/A



LTE Band 48 / 10MHz

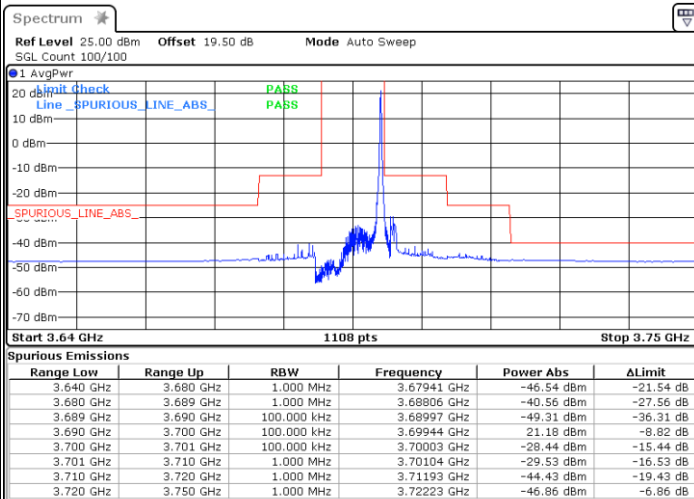
64QAM

Highest Channel / 1RB0



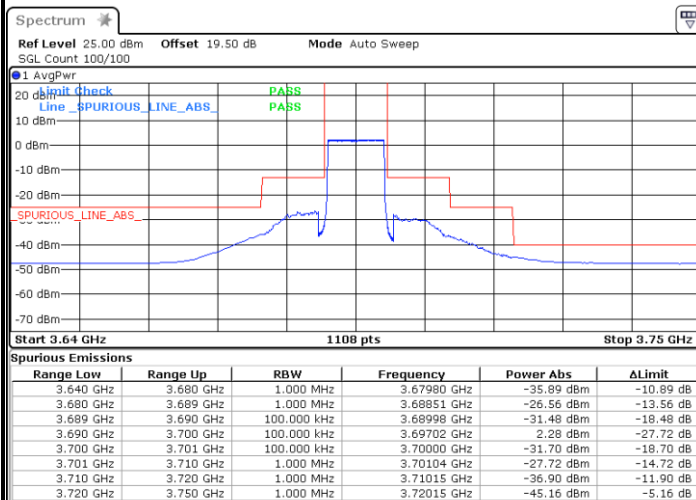
Date: 10.DEC.2025 19:37:16

Highest Channel / 1RBmax



Date: 10.DEC.2025 19:32:03

Highest Channel / FullRB



Date: 10.DEC.2025 19:39:23

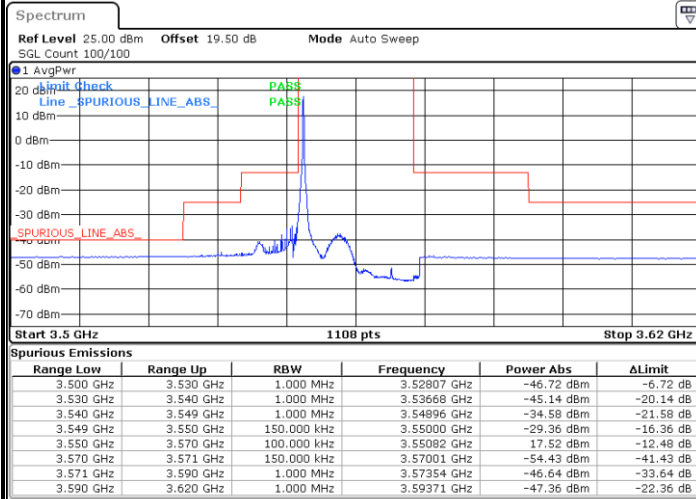
N/A



LTE Band 48 / 15MHz

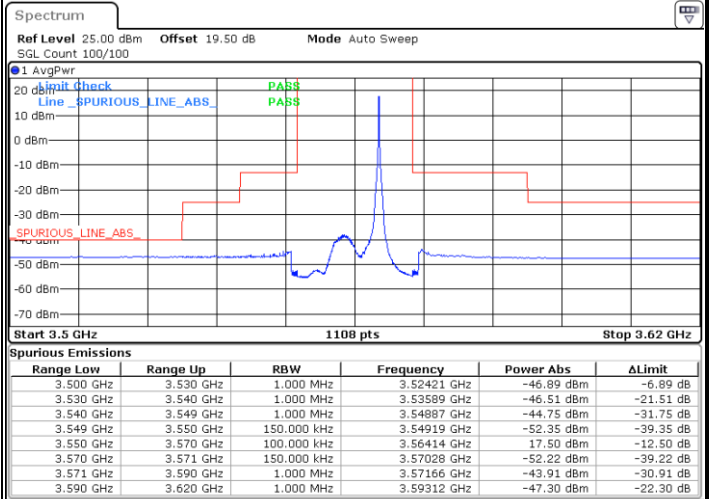
QPSK

Lowest Channel / 1RB0



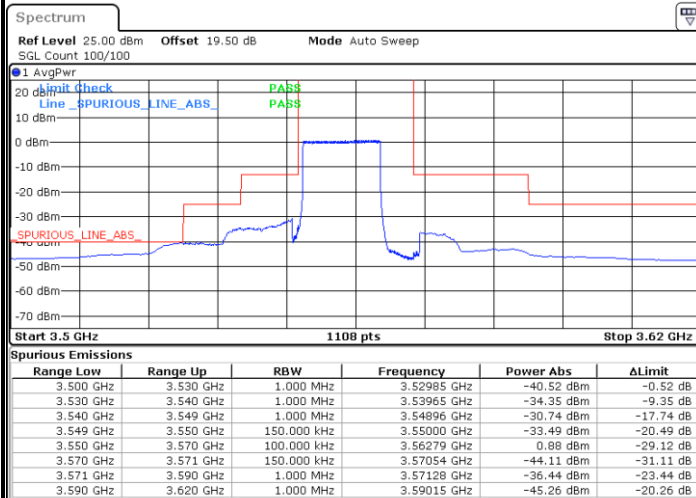
Date: 10.DEC.2025 20:15:00

Lowest Channel / 1RBmax



Date: 10.DEC.2025 20:13:40

Lowest Channel / FullIRB



Date: 10.DEC.2025 20:20:51

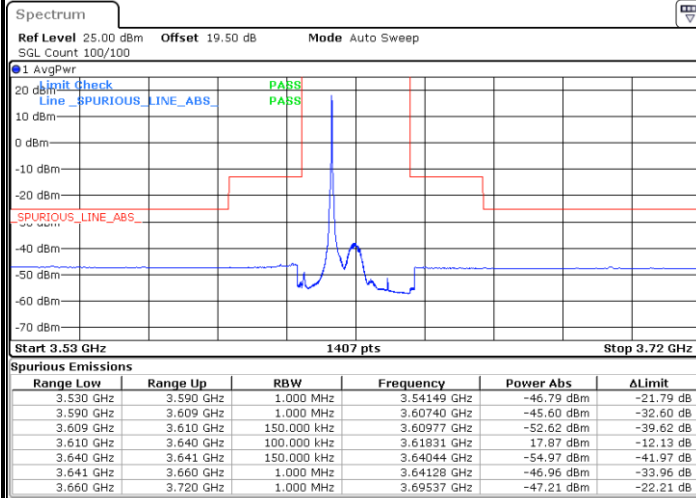
N/A



LTE Band 48 / 15MHz

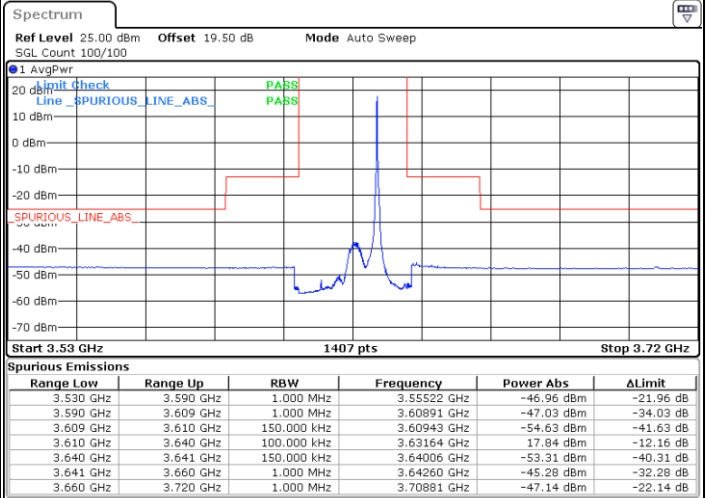
QPSK

Middle Channel / 1RB0



Date: 10.DEC.2025 20:03:50

Middle Channel / 1RBmax



Date: 10.DEC.2025 20:05:28

Middle Channel / FullRB



Date: 10.DEC.2025 19:56:30

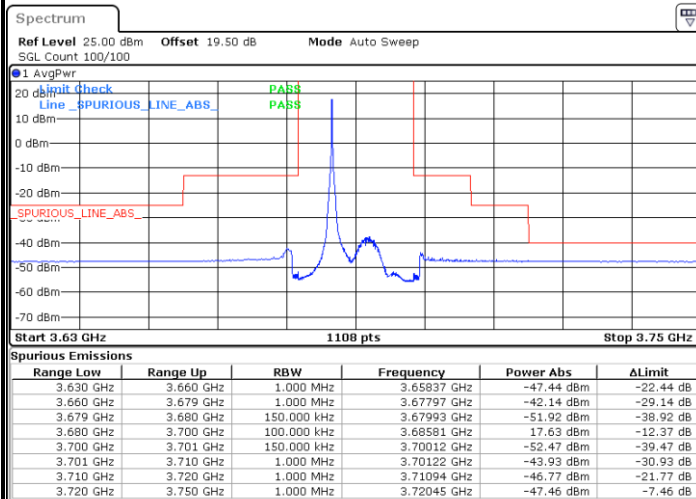
N/A



LTE Band 48 / 15MHz

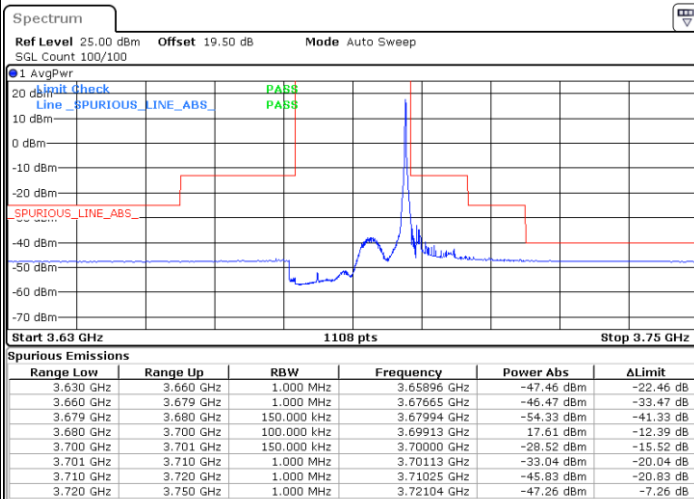
QPSK

Highest Channel / 1RB0



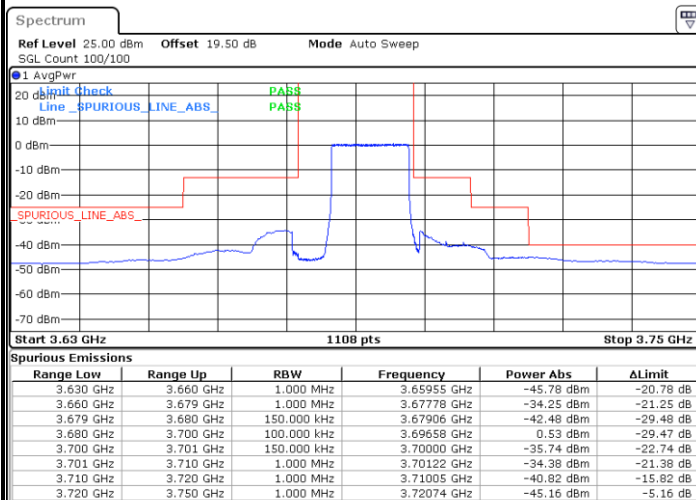
Date: 10.DEC.2025 20:29:07

Highest Channel / 1RBmax



Date: 10.DEC.2025 20:30:26

Highest Channel / FullRB



Date: 10.DEC.2025 20:22:35

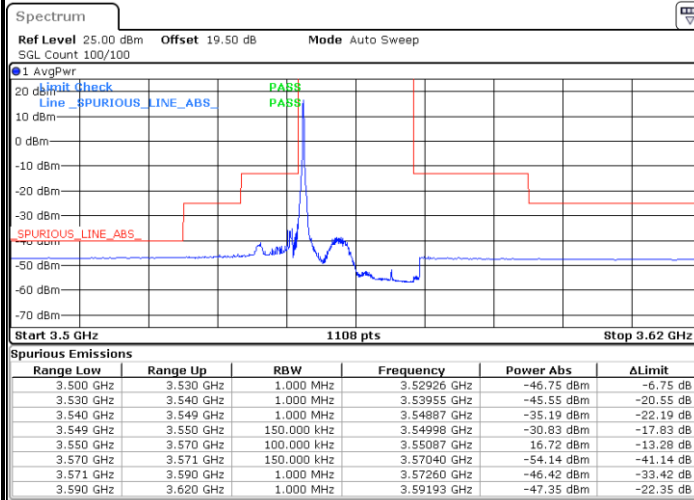
N/A



LTE Band 48 / 15MHz

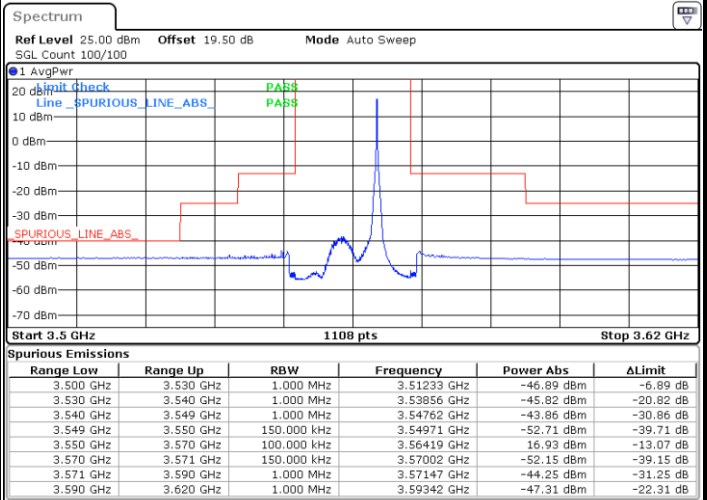
16QAM

Lowest Channel / 1RB0



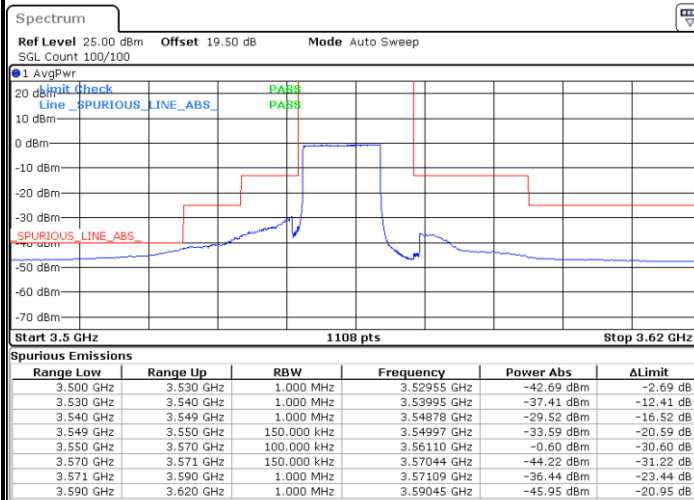
Date: 10.DEC.2025 20:16:08

Lowest Channel / 1RBmax



Date: 10.DEC.2025 20:12:04

Lowest Channel / FullIRB



Date: 10.DEC.2025 20:19:37

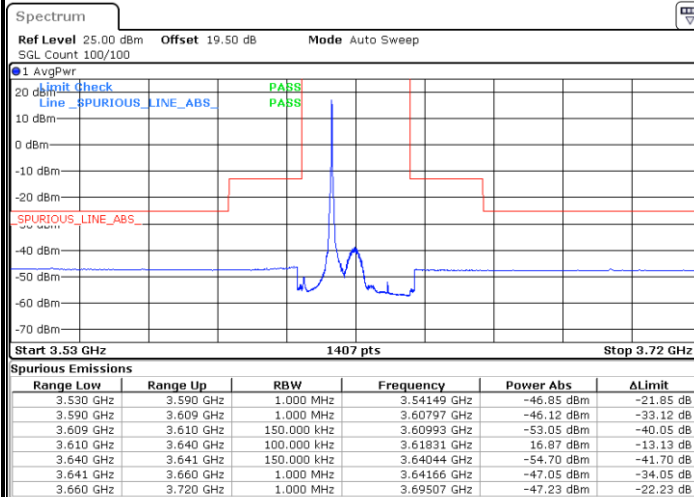
N/A



LTE Band 48 / 15MHz

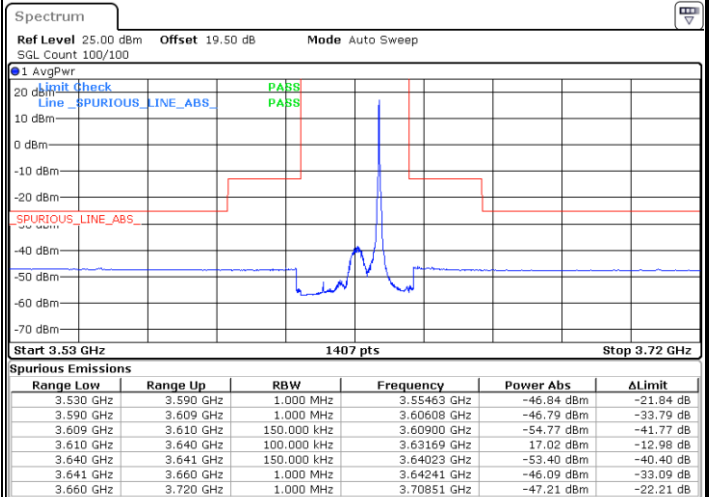
16QAM

Middle Channel / 1RB0



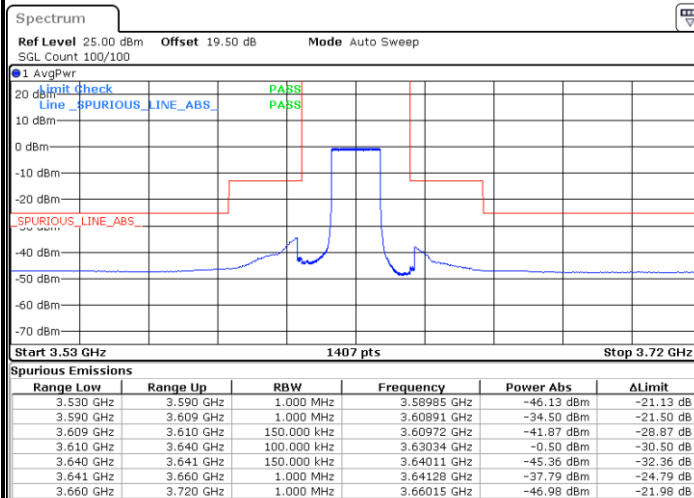
Date: 10.DEC.2025 20:02:20

Middle Channel / 1RBmax



Date: 10.DEC.2025 20:07:05

Middle Channel / FullRB



Date: 10.DEC.2025 19:57:55

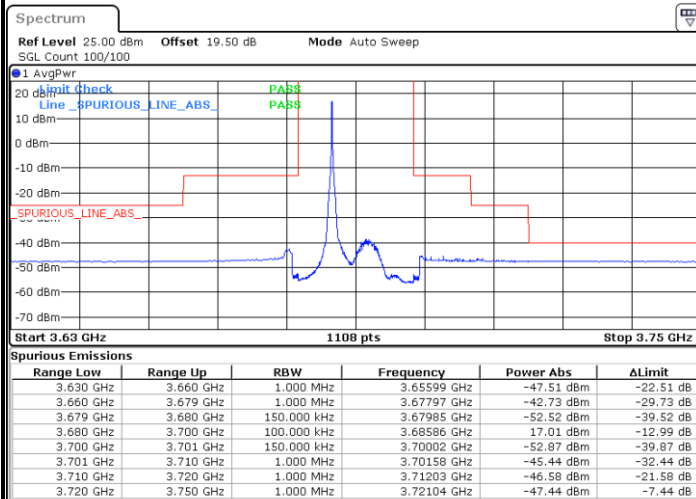
N/A



LTE Band 48 / 15MHz

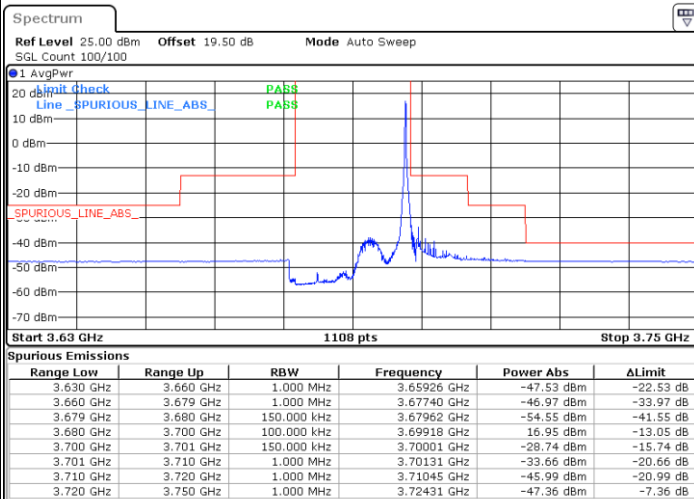
16QAM

Highest Channel / 1RB0



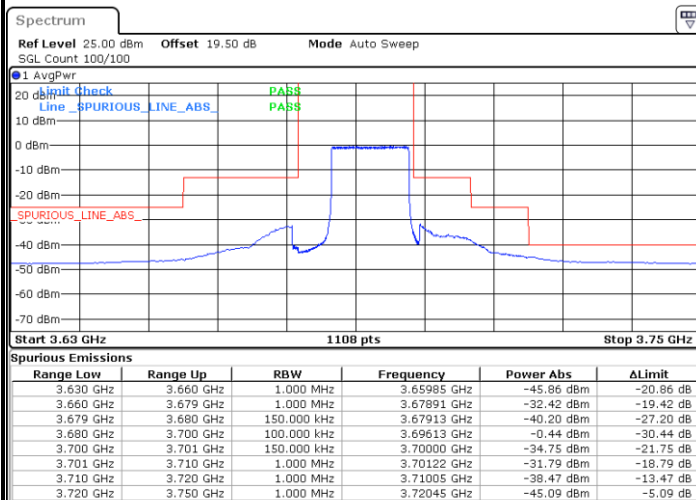
Date: 10.DEC.2025 20:27:48

Highest Channel / 1RBmax



Date: 10.DEC.2025 20:31:30

Highest Channel / FullRB



Date: 10.DEC.2025 20:24:22

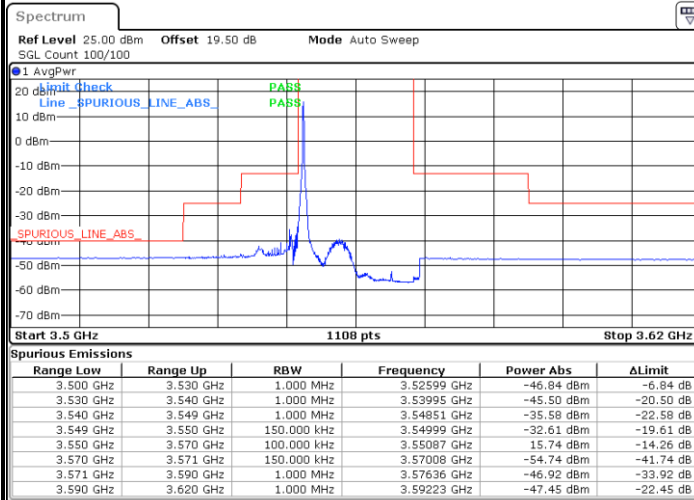
N/A



LTE Band 48 / 15MHz

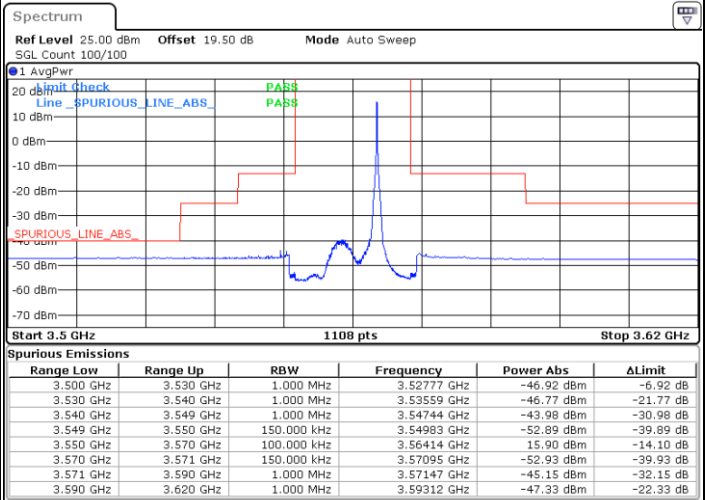
64QAM

Lowest Channel / 1RB0



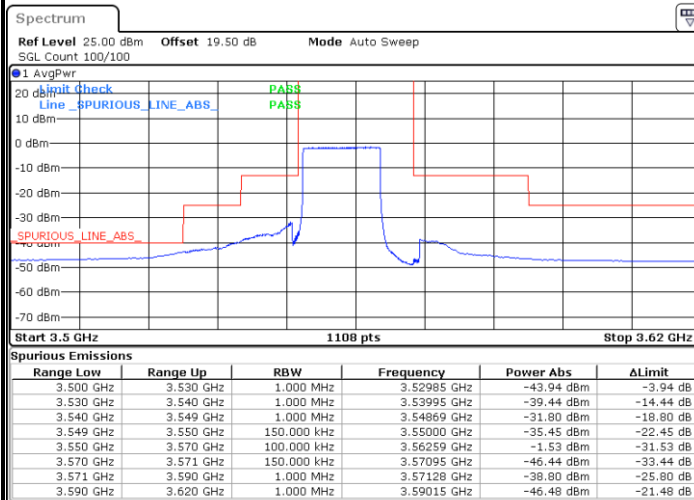
Date: 10.DEC.2025 20:17:13

Lowest Channel / 1RBmax



Date: 10.DEC.2025 20:10:40

Lowest Channel / FullIRB



Date: 10.DEC.2025 20:18:21

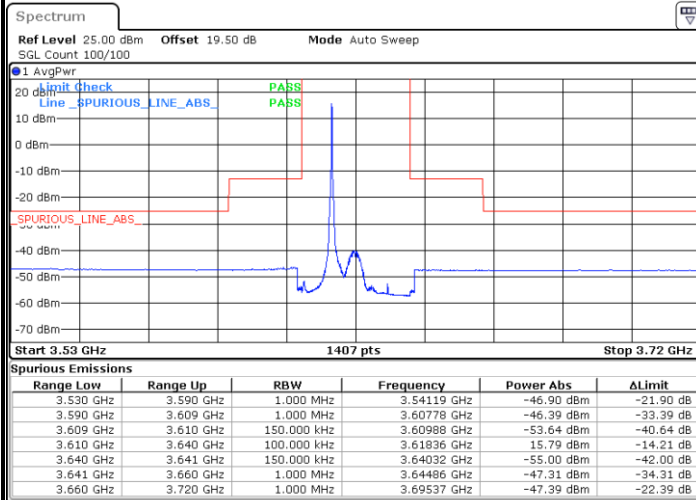
N/A



LTE Band 48 / 15MHz

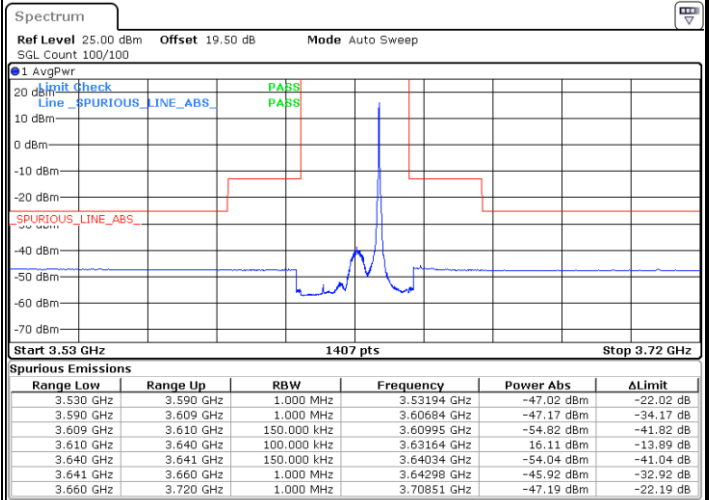
64QAM

Middle Channel / 1RB0



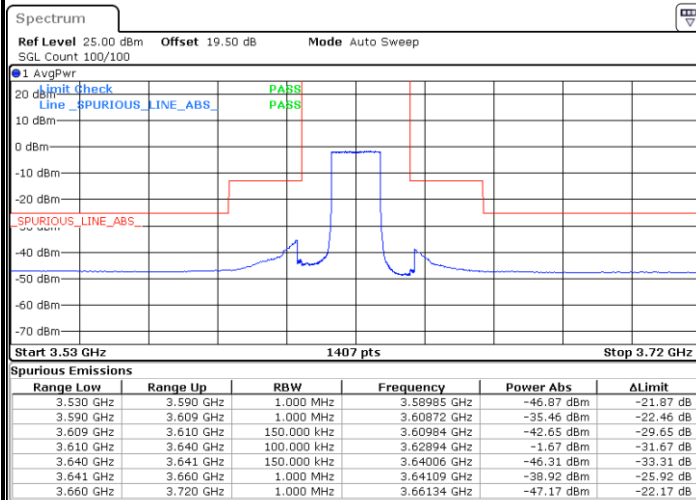
Date: 10.DEC.2025 20:00:51

Middle Channel / 1RBmax



Date: 10.DEC.2025 20:08:44

Middle Channel / FullRB



Date: 10.DEC.2025 19:59:23

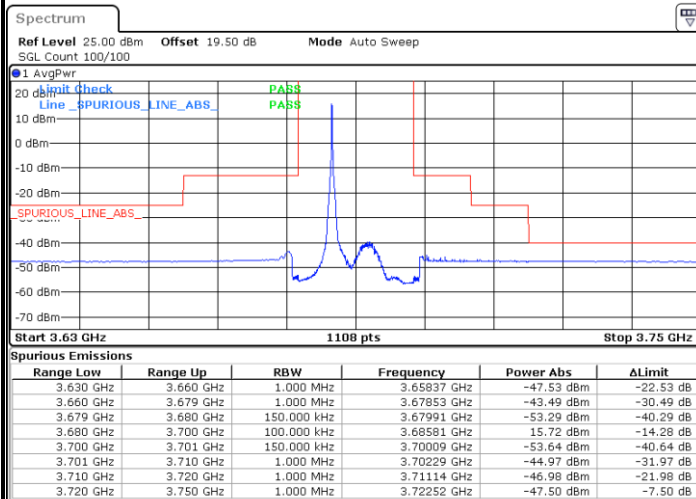
N/A



LTE Band 48 / 15MHz

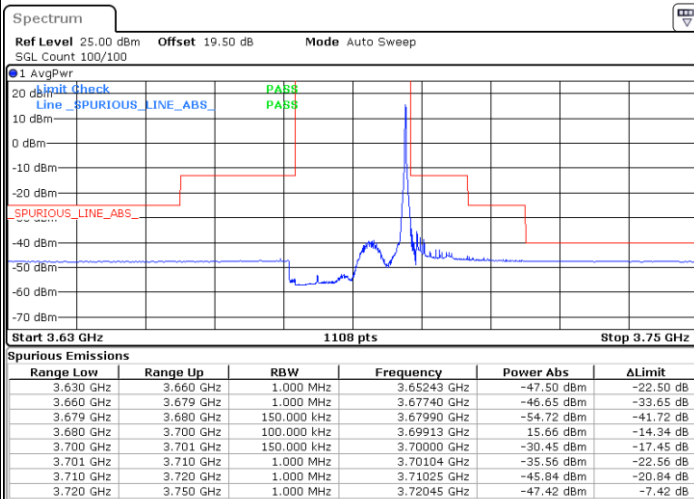
64QAM

Highest Channel / 1RB0



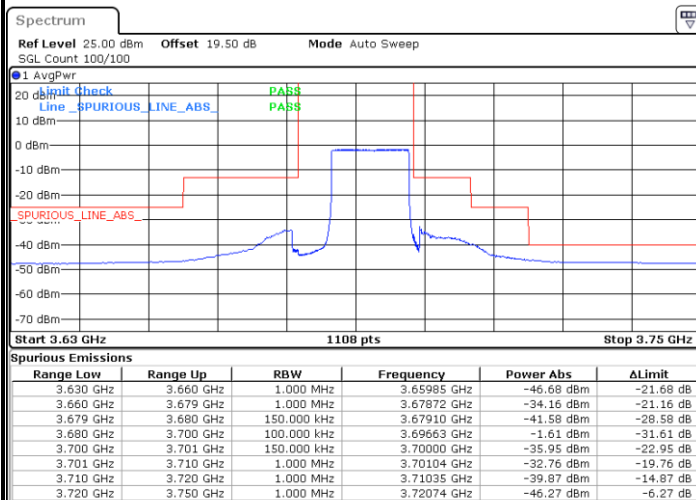
Date: 10.DEC.2025 20:26:44

Highest Channel / 1RBmax



Date: 10.DEC.2025 20:53:23

Highest Channel / FullRB



Date: 10.DEC.2025 20:25:36

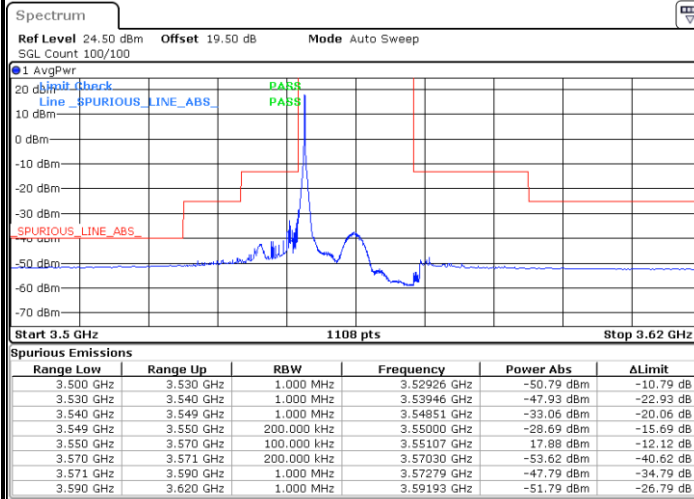
N/A



LTE Band 48 / 20MHz

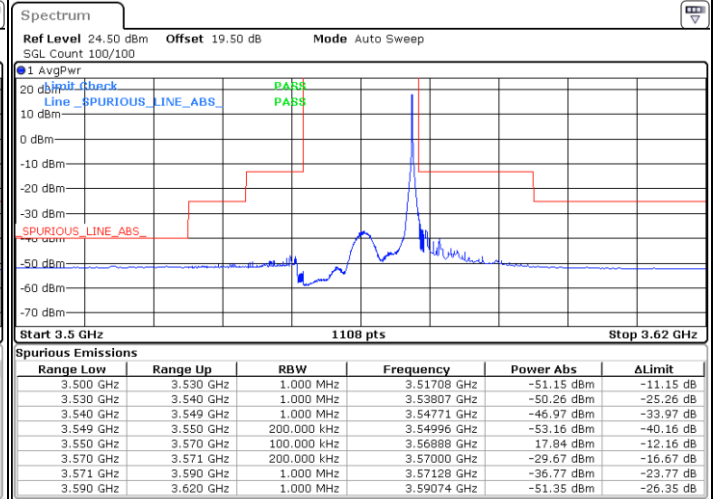
QPSK

Lowest Channel / 1RB0



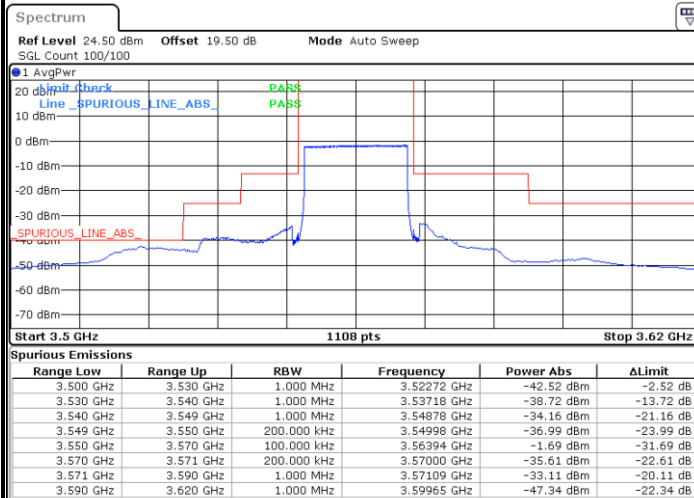
Date: 10.DEC.2025 21:22:03

Lowest Channel / 1RBmax



Date: 10.DEC.2025 21:12:47

Lowest Channel / FullIRB



Date: 10.DEC.2025 21:20:49

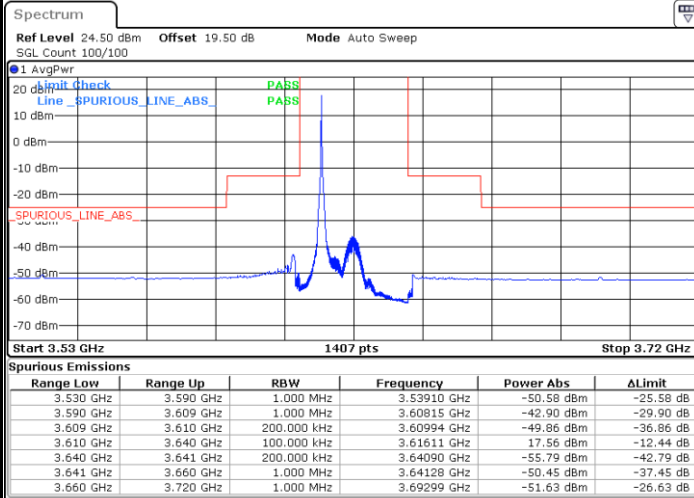
N/A



LTE Band 48 / 20MHz

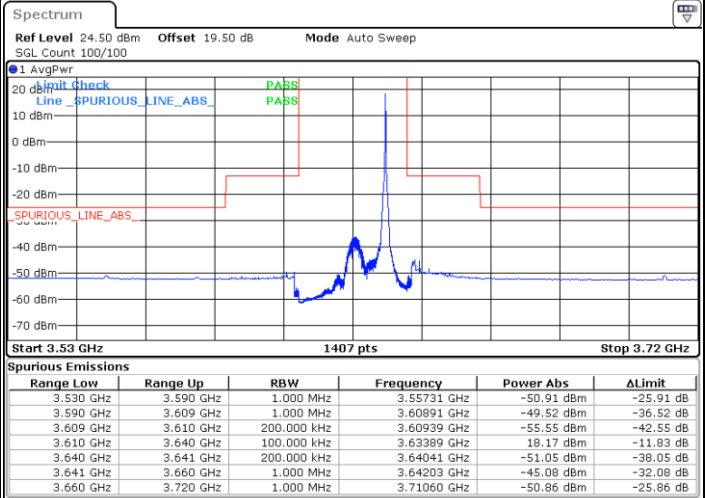
QPSK

Middle Channel / 1RB0



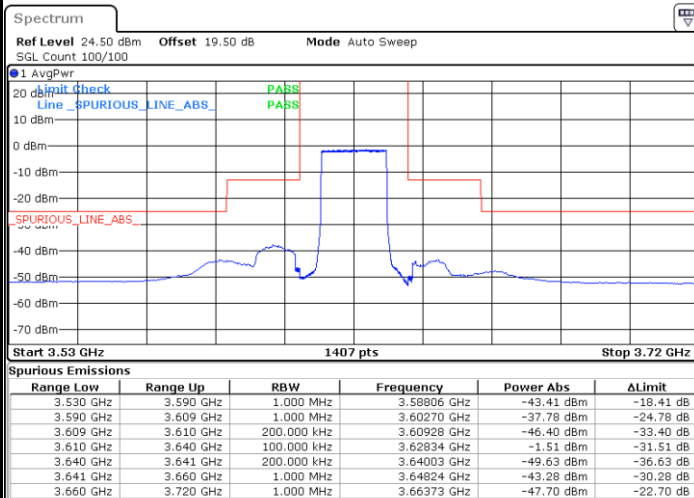
Date: 10.DEC.2025 21:01:57

Middle Channel / 1RBmax



Date: 10.DEC.2025 21:10:45

Middle Channel / FullRB



Date: 10.DEC.2025 21:00:31

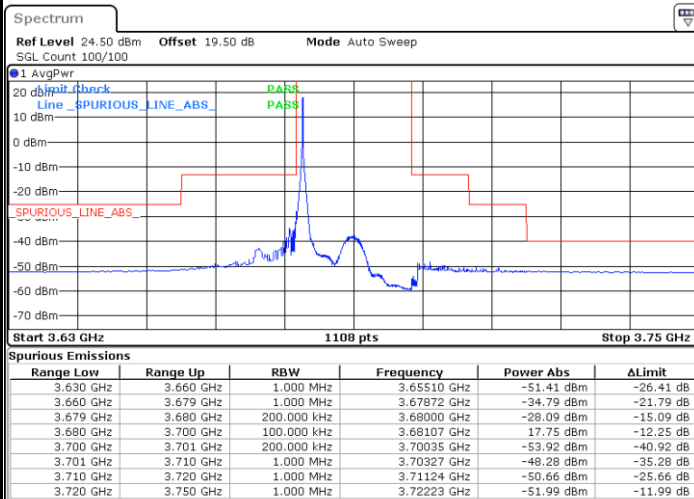
N/A



LTE Band 48 / 20MHz

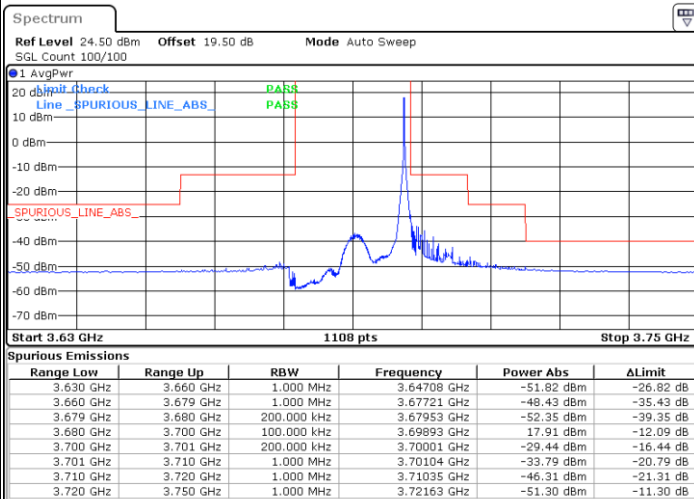
QPSK

Highest Channel / 1RB0



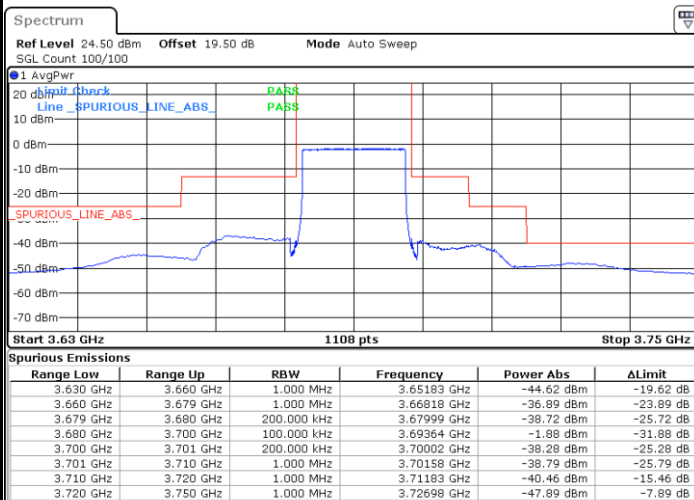
Date: 10.DEC.2025 21:28:33

Highest Channel / 1RBmax



Date: 10.DEC.2025 21:29:51

Highest Channel / FullRB



Date: 10.DEC.2025 21:35:21

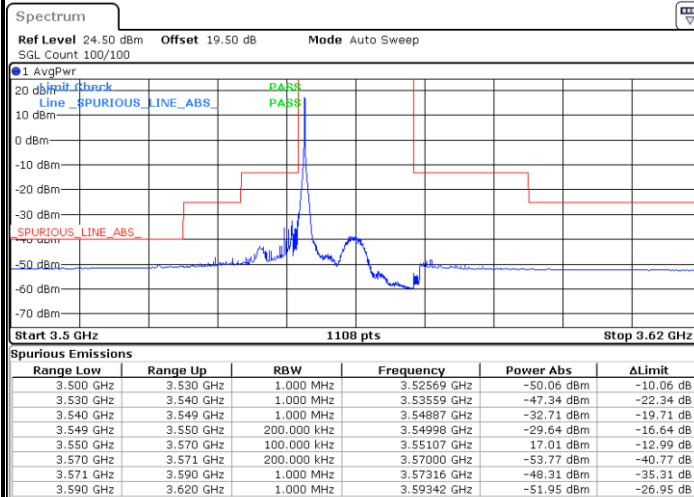
N/A



LTE Band 48 / 20MHz

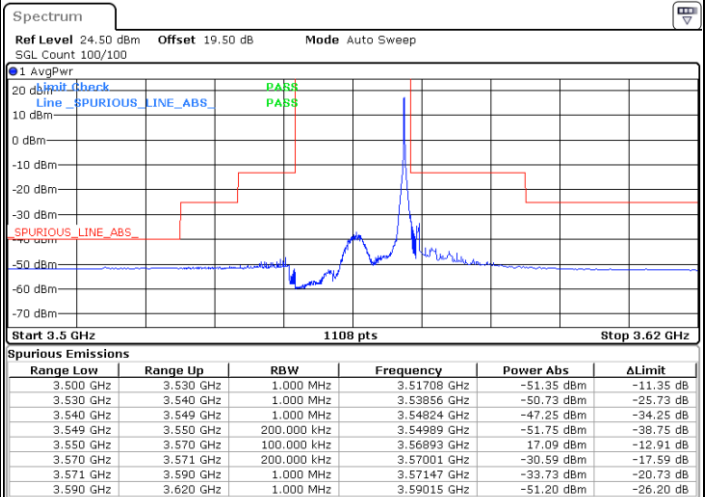
16QAM

Lowest Channel / 1RB0



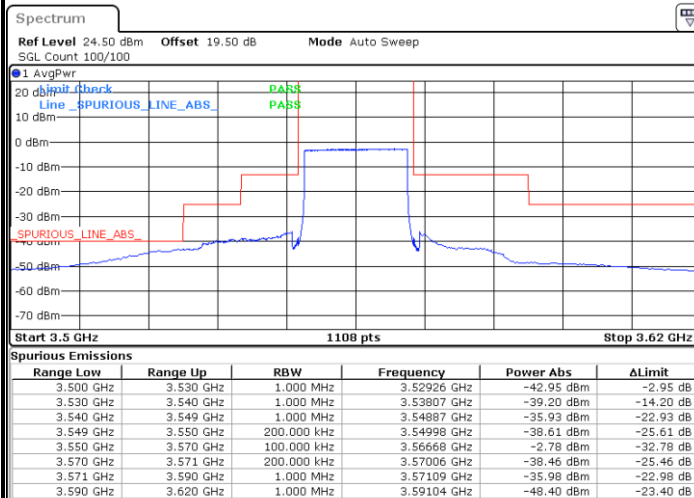
Date: 10.DEC.2025 21:23:11

Lowest Channel / 1RBmax



Date: 10.DEC.2025 21:14:05

Lowest Channel / FullIRB



Date: 10.DEC.2025 21:19:08

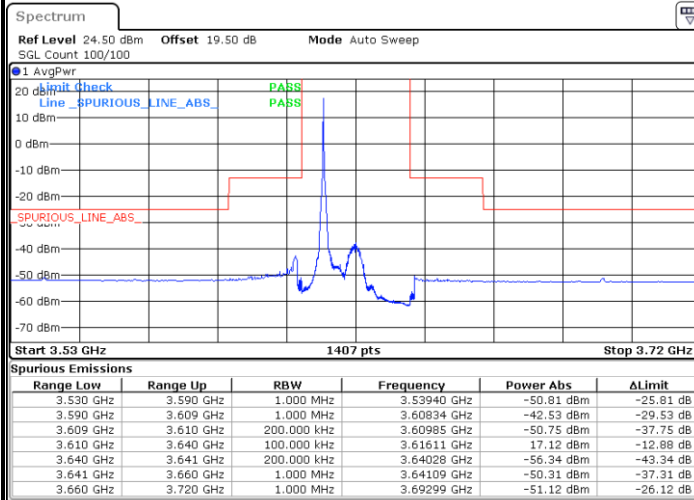
N/A



LTE Band 48 / 20MHz

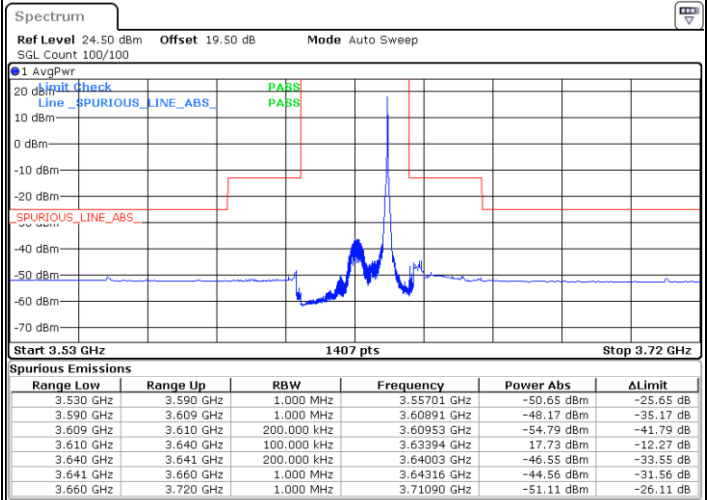
16QAM

Middle Channel / 1RB0



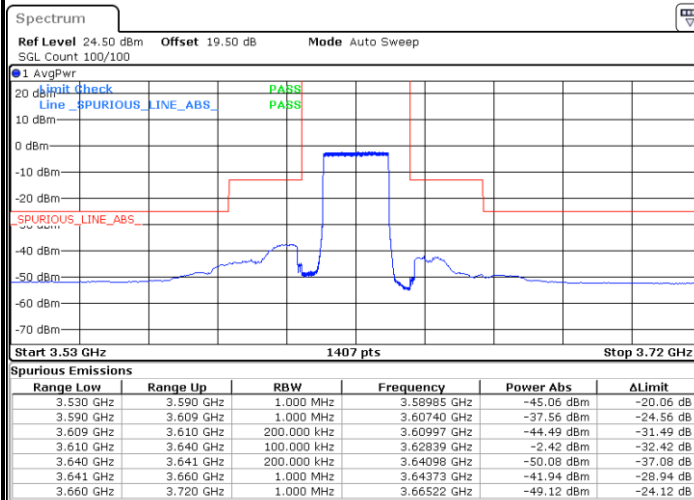
Date: 10.DEC.2025 21:03:29

Middle Channel / 1RBmax



Date: 10.DEC.2025 21:07:48

Middle Channel / FullRB



Date: 10.DEC.2025 20:58:52

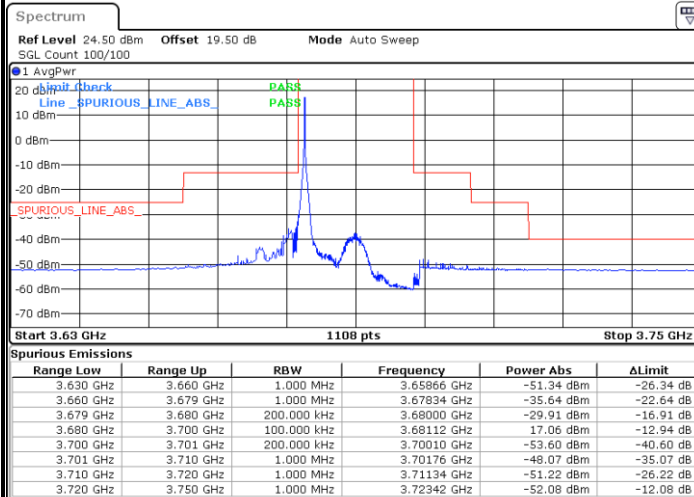
N/A



LTE Band 48 / 20MHz

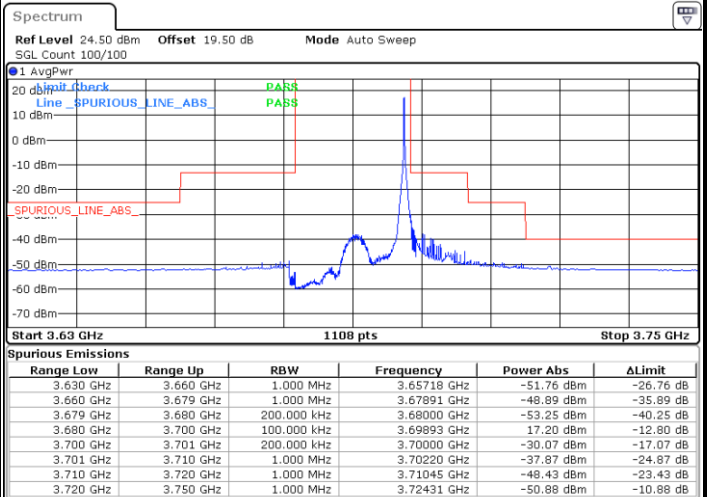
16QAM

Highest Channel / 1RB0



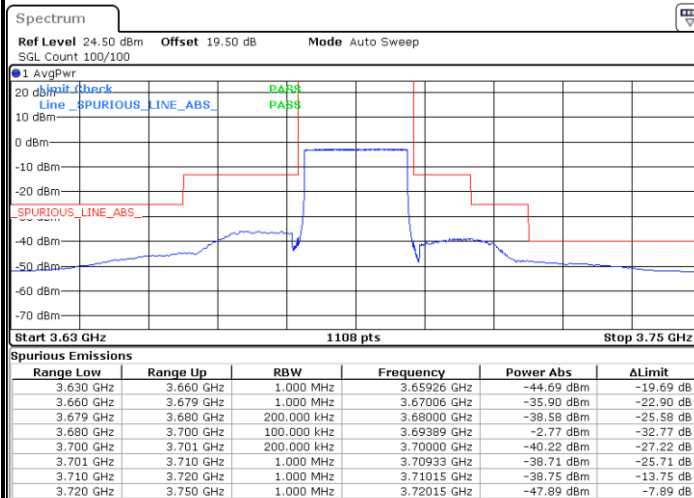
Date: 10.DEC.2025 21:27:25

Highest Channel / 1RBmax



Date: 10.DEC.2025 21:30:55

Highest Channel / FullRB



Date: 10.DEC.2025 21:34:14

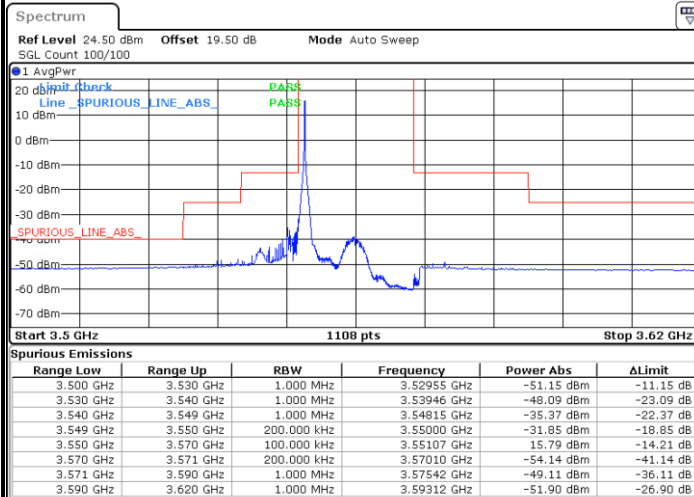
N/A



LTE Band 48 / 20MHz

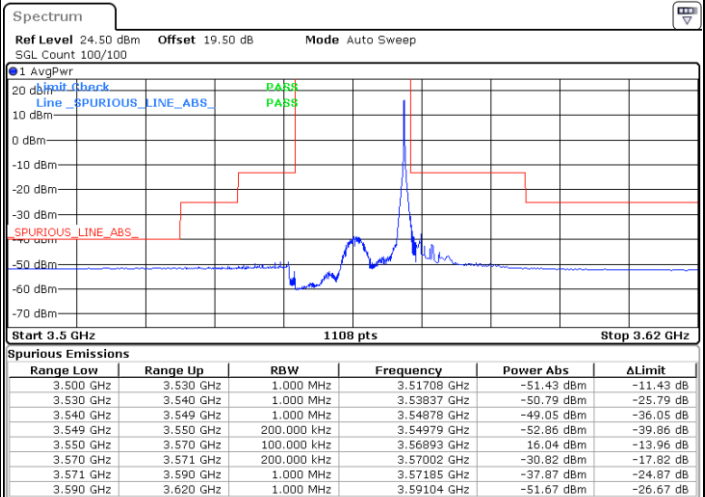
64QAM

Lowest Channel / 1RB0



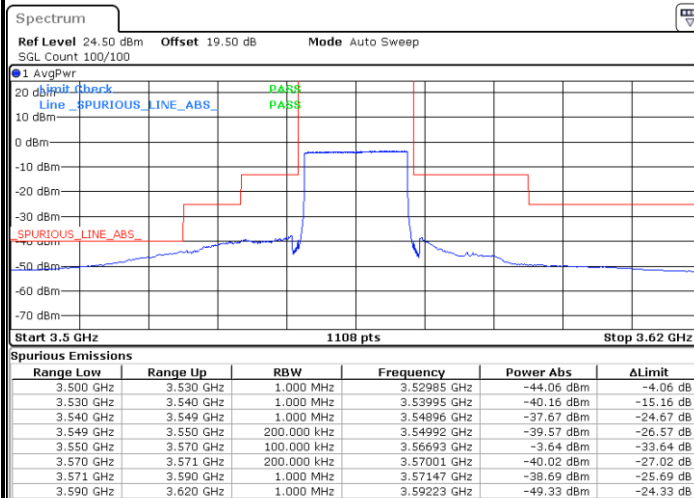
Date: 10.DEC.2025 21:25:10

Lowest Channel / 1RBmax



Date: 10.DEC.2025 21:16:24

Lowest Channel / FullIRB



Date: 10.DEC.2025 21:17:58

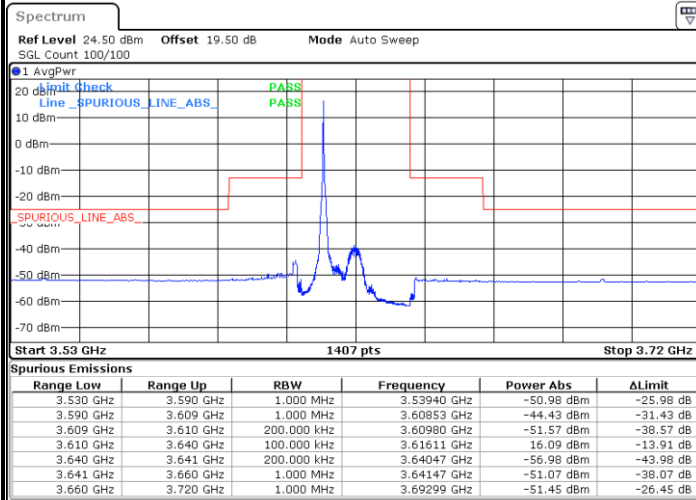
N/A



LTE Band 48 / 20MHz

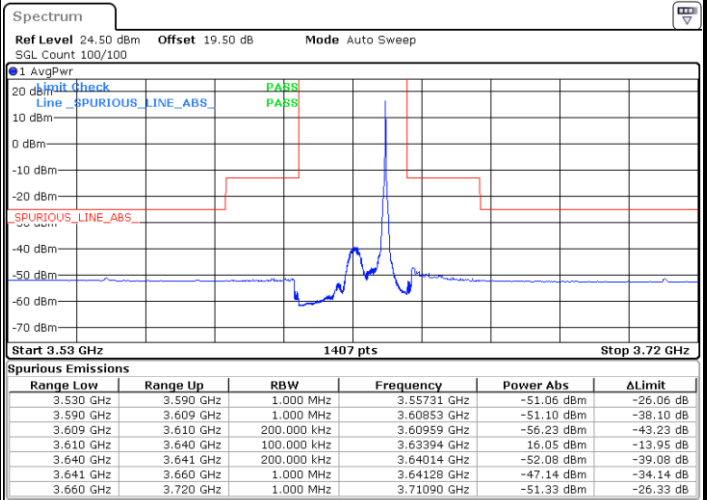
64QAM

Middle Channel / 1RB0



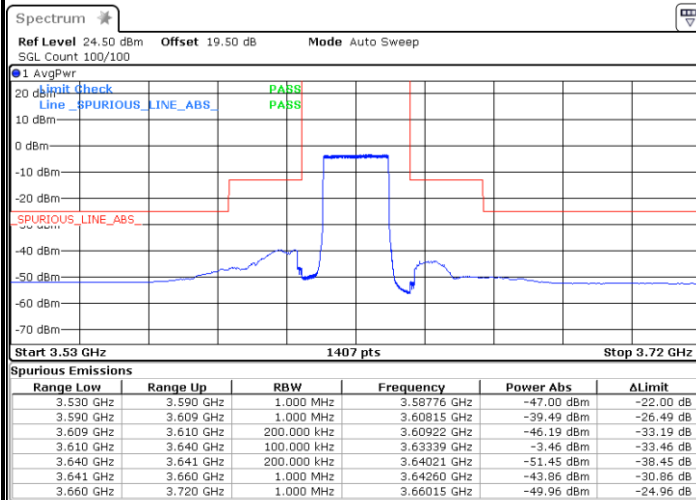
Date: 10.DEC.2025 21:04:52

Middle Channel / 1RBmax



Date: 10.DEC.2025 21:06:20

Middle Channel / FullRB



Date: 10.DEC.2025 20:57:29

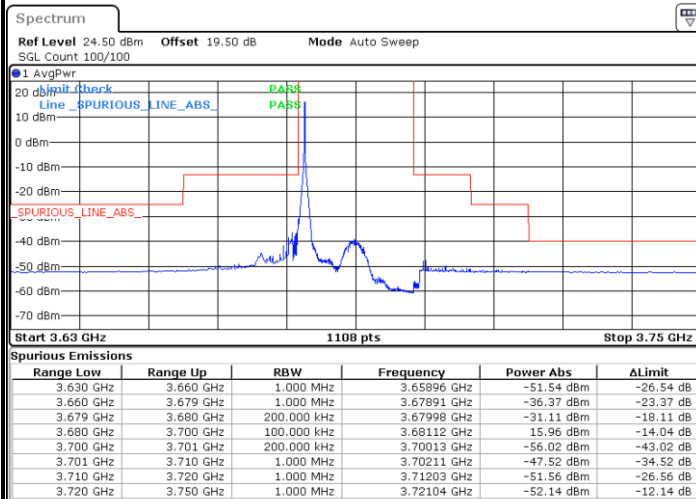
N/A



LTE Band 48 / 20MHz

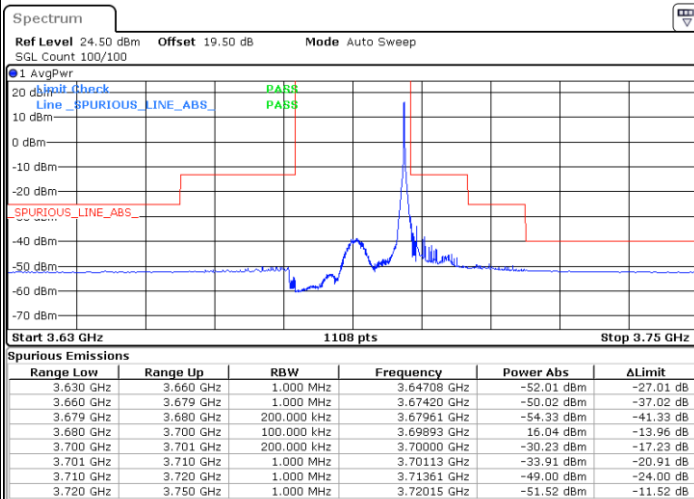
64QAM

Highest Channel / 1RB0



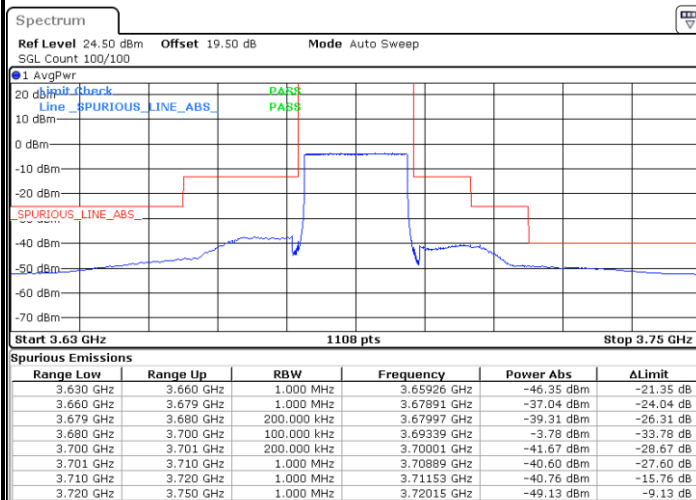
Date: 10.DEC.2025 21:26:22

Highest Channel / 1RBmax



Date: 10.DEC.2025 21:32:03

Highest Channel / FullRB



Date: 10.DEC.2025 21:33:13

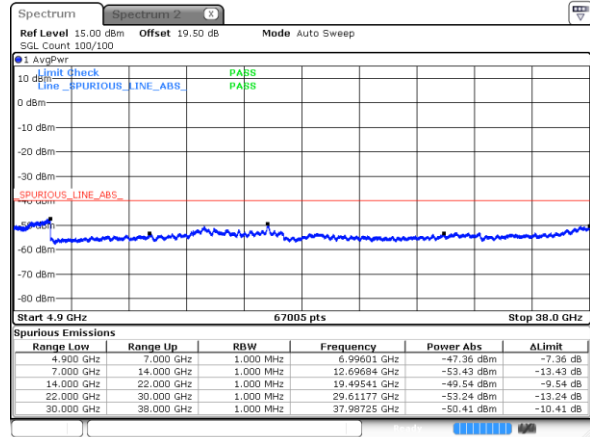
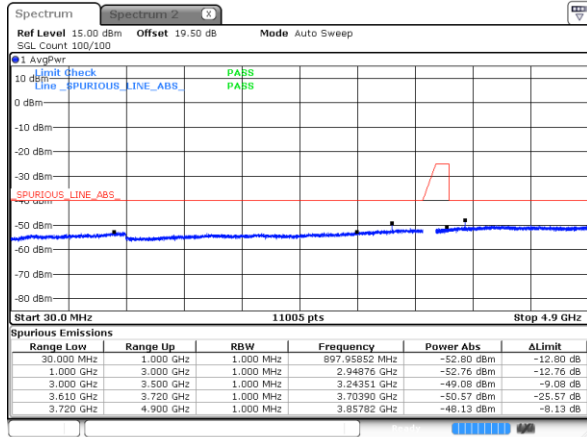
N/A



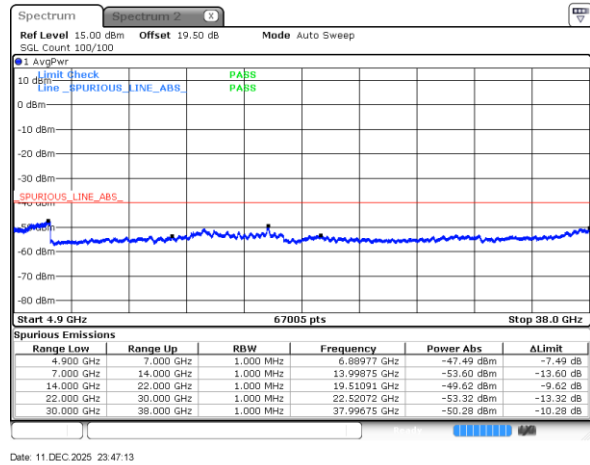
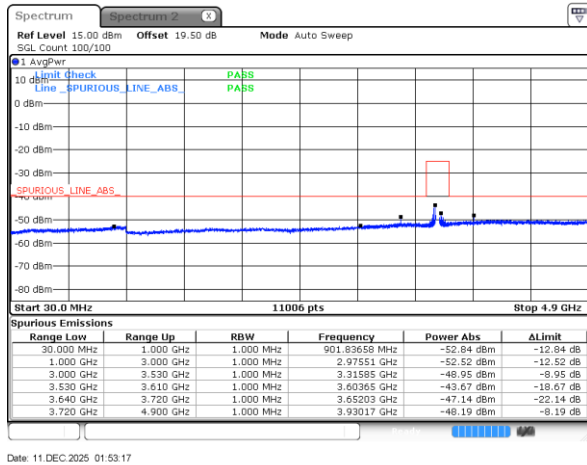
Conducted Spurious Emission

LTE Band 48 / 5MHz

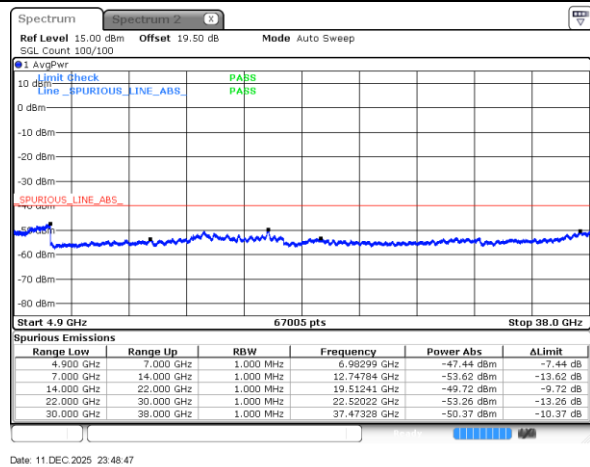
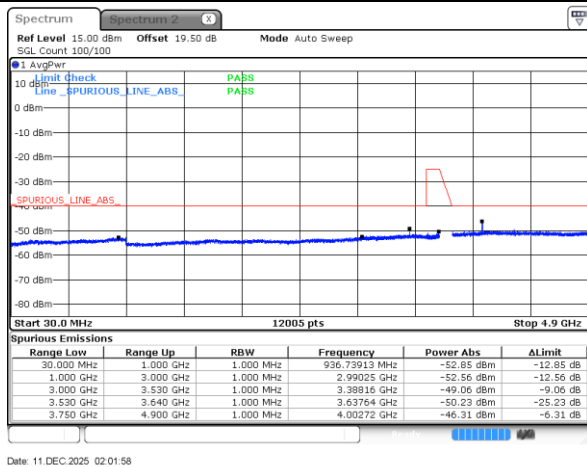
Lowest Channel / QPSK



Middle Channel / QPSK



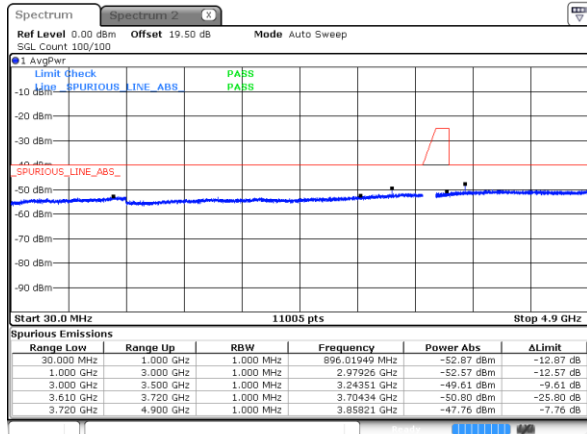
Highest Channel / QPSK



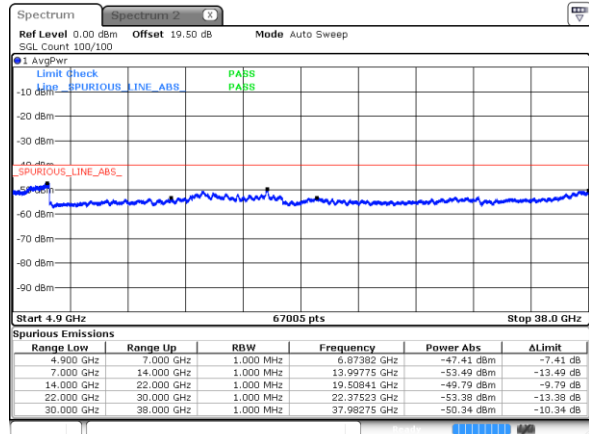


LTE Band 48 / 10MHz

Lowest Channel / QPSK

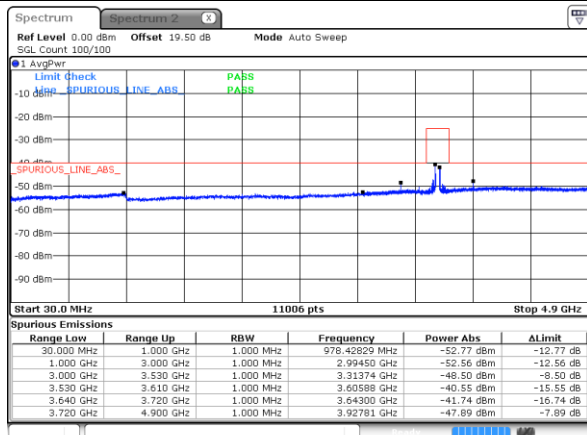


Date: 11 DEC 2025 08:40:09

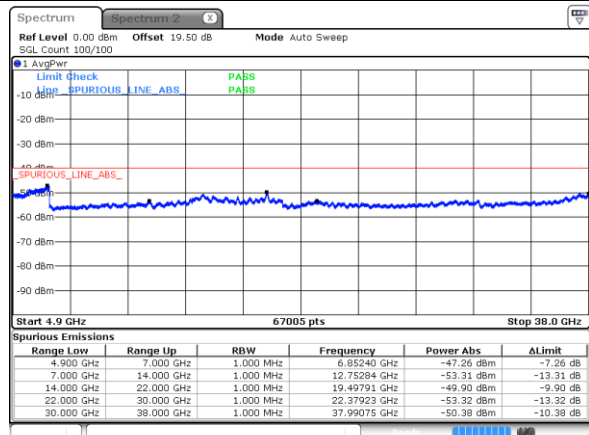


Date: 11 DEC 2025 23:51:05

Middle Channel / QPSK

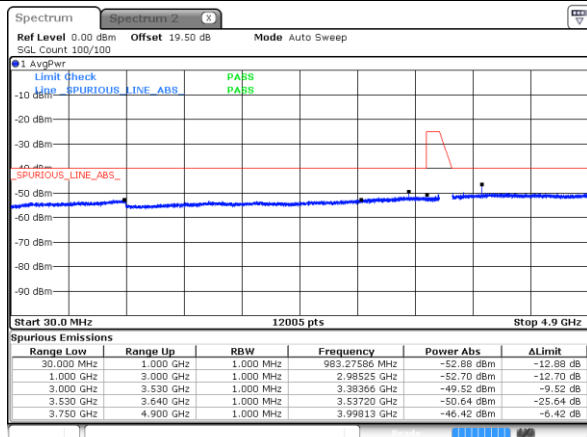


Date: 11 DEC 2025 08:50:04

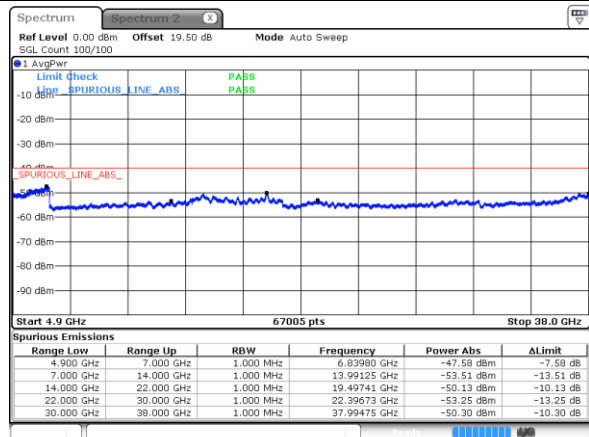


Date: 11 DEC 2025 23:52:39

Highest Channel / QPSK



Date: 11 DEC 2025 08:59:04

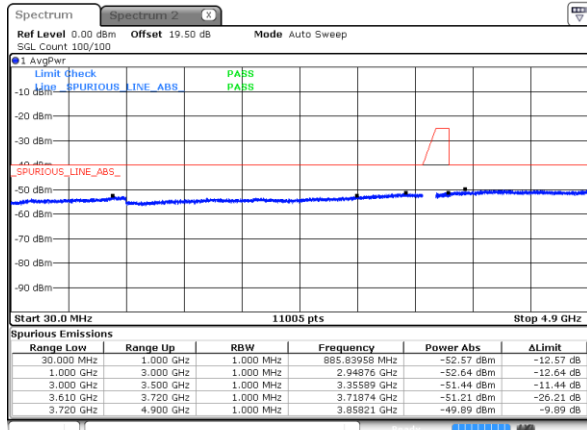


Date: 11 DEC 2025 23:54:14

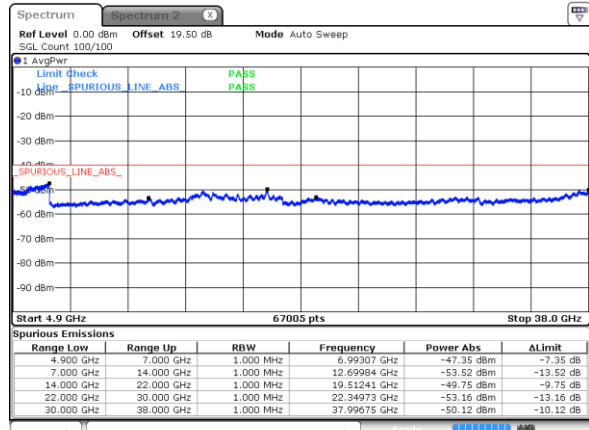


LTE Band 48 / 15MHz

Lowest Channel / QPSK

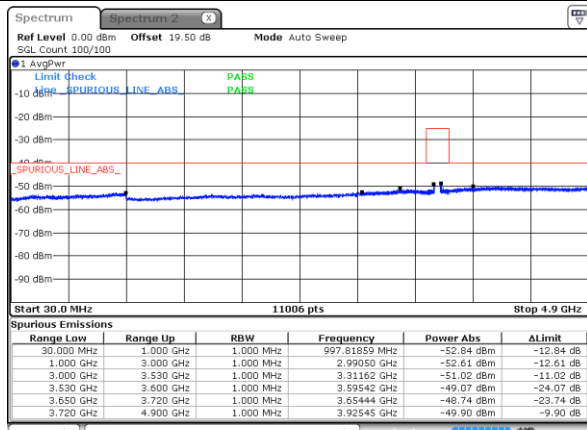


Date: 11 DEC 2025 09:08:42

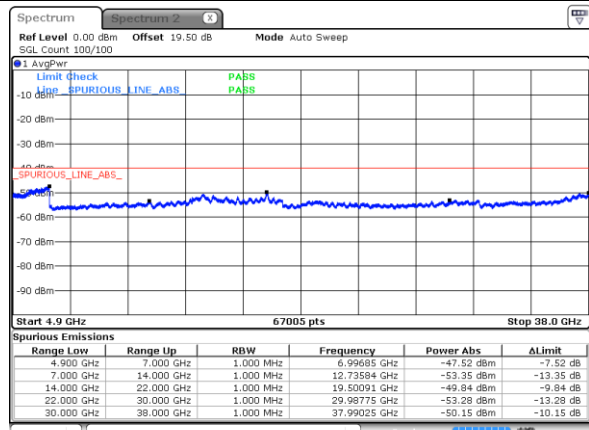


Date: 11 DEC 2025 23:56:31

Middle Channel / QPSK

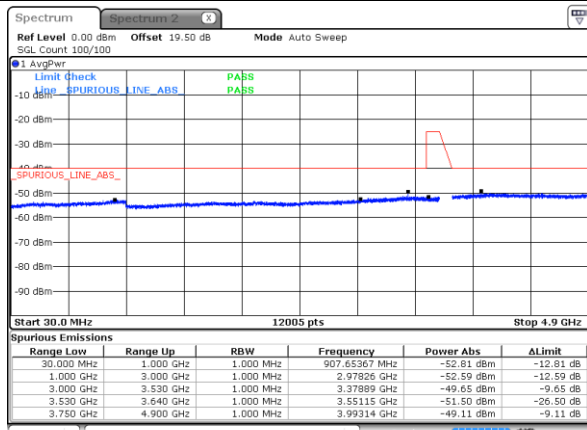


Date: 11 DEC 2025 09:18:37

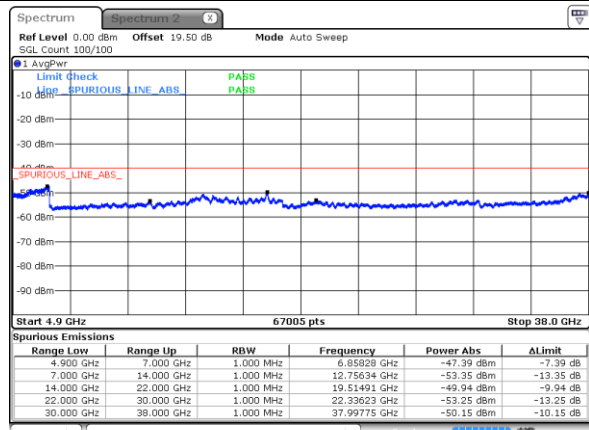


Date: 11 DEC 2025 23:58:05

Highest Channel / QPSK



Date: 11 DEC 2025 09:27:39

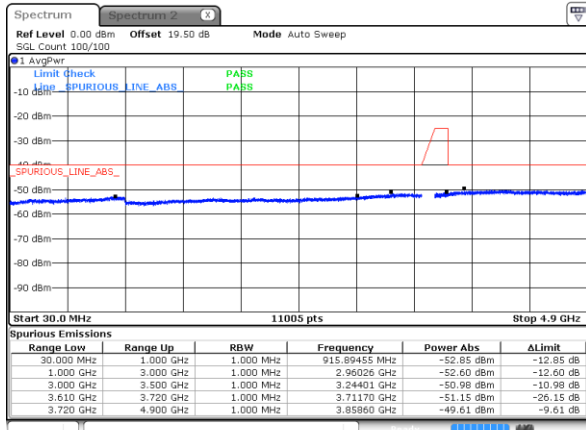


Date: 11 DEC 2025 23:59:39

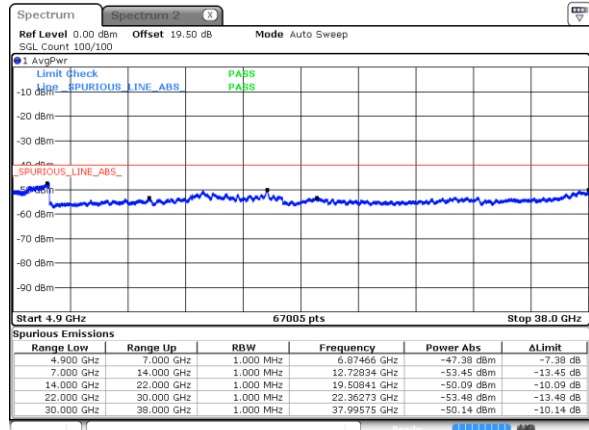


LTE Band 48 / 20MHz

Lowest Channel / QPSK

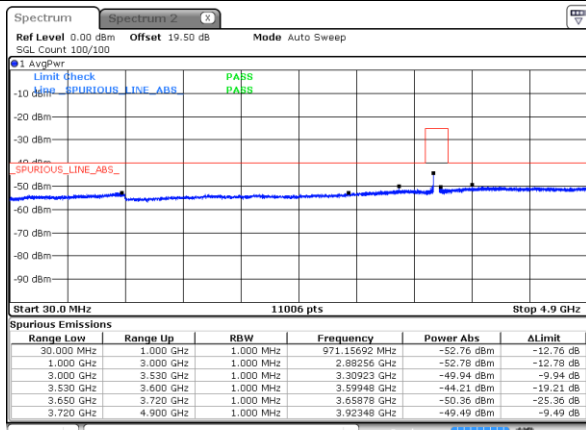


Date: 11 DEC 2025 09:36:57

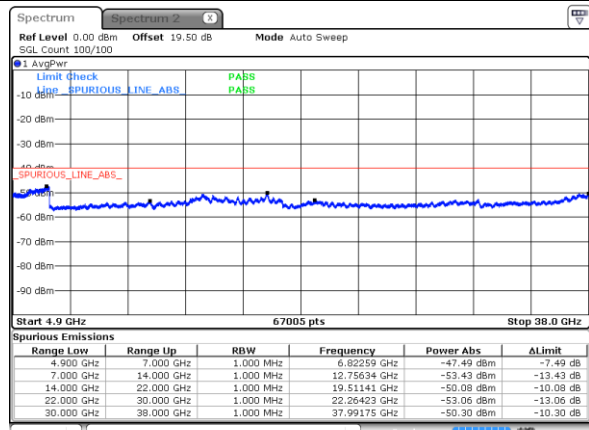


Date: 12 DEC 2025 00:02:06

Middle Channel / QPSK

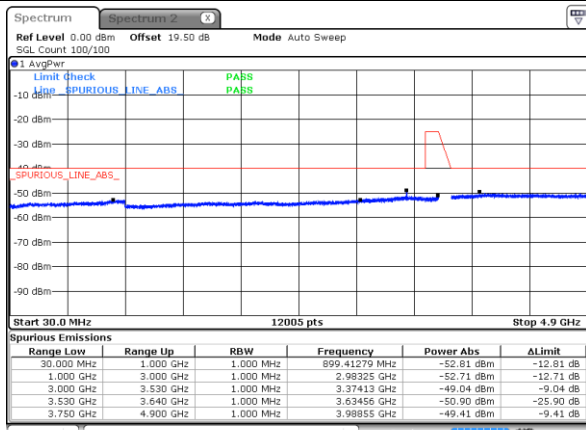


Date: 11 DEC 2025 09:46:57

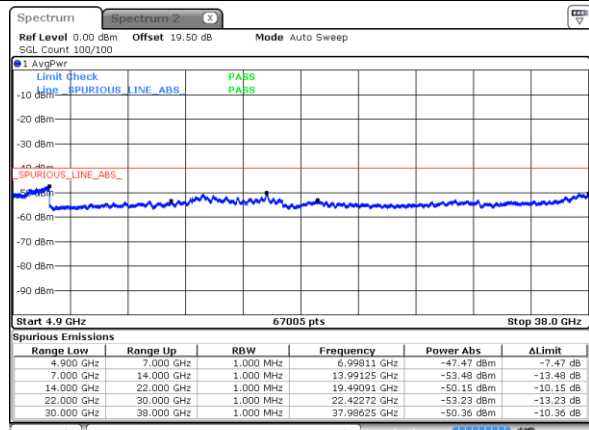


Date: 12 DEC 2025 00:03:40

Highest Channel / QPSK



Date: 11 DEC 2025 09:56:52



Date: 12 DEC 2025 00:05:14

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	2.9	PASS
40	Normal Voltage	3	
30	Normal Voltage	-1.7	
20(Ref.)	Normal Voltage	-3.3	
10	Normal Voltage	3.8	
0	Normal Voltage	2.3	
-10	Normal Voltage	3.7	
-20	Normal Voltage	-3.4	
-30	Normal Voltage	-4.3	
20	Maximum Voltage	3.9	
20	Normal Voltage	-3.3	
20	Battery End Point	-2.3	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (ACLRP) = 3.5 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

$$|\text{MAX}(\Delta f)| = 4.3\text{Hz}$$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3550.212296	$\geq 3550 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3699.767704	$\leq 3700 \text{ MHz}$	



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Kuang Jia	Temperature :	22~25℃
		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.8								
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	7232.00	-58.61	-40	-18.61	-61.91	8.30	11.60	H
	10848.00	-43.63	-40	-3.63	-45.15	10.48	12.00	H
	14464.00	-51.92	-40	-11.92	-53.62	11.80	13.50	H
	7232.00	-58.66	-40	-18.66	-61.96	8.30	11.60	V
	10848.00	-47.75	-40	-7.75	-49.27	10.48	12.00	V
	14464.00	-52.70	-40	-12.70	-54.40	11.80	13.50	V

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

LTE CA_48C / 20MHz+20MHz / QPSK / Ant.8								
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	7250.00	-59.52	-40	-19.52	-62.82	8.30	11.60	H
	10875.00	-44.00	-40	-4.00	-45.52	10.48	12.00	H
	14500.00	-49.19	-40	-9.19	-50.89	11.80	13.50	H
	7250.00	-59.92	-40	-19.92	-63.22	8.30	11.60	V
	10875.00	-46.07	-40	-6.07	-47.59	10.48	12.00	V
	14500.00	-50.76	-40	-10.76	-52.46	11.80	13.50	V

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

LTE CA_48B / 10MHz+10MHz / QPSK / Ant.8								
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	7250.90	-57.30	-40	-17.30	-60.60	8.30	11.60	H
	10876.35	-43.36	-40	-3.36	-44.88	10.48	12.00	H
	14501.80	-48.04	-40	-8.04	-49.74	11.80	13.50	H
	7250.90	-59.71	-40	-19.71	-63.01	8.30	11.60	V
	10876.35	-46.66	-40	-6.66	-48.18	10.48	12.00	V
	14501.80	-50.66	-40	-10.66	-52.36	11.80	13.50	V

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



EN-DC_48A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT9(LTE) & ANT8(NR) Other PA								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 Middle	1655	-66.41	-13	-53.41	-69.66	4.00	9.40	H
	2482.5	-63.26	-13	-50.26	-66.83	4.88	10.60	H
	3310	-59.77	-13	-46.77	-64.70	5.52	12.60	H
	1655	-66.29	-13	-53.29	-69.54	4.00	9.40	V
	2482.5	-63.37	-13	-50.37	-66.94	4.88	10.60	V
	3310	-61.05	-13	-48.05	-65.98	5.52	12.60	V
LTE Band48 Middle	7232.00	-59.93	-40	-19.93	-63.23	8.30	11.60	H
	10848.00	-47.74	-40	-7.74	-49.26	10.48	12.00	H
	14464.00	-49.66	-40	-9.66	-51.36	11.80	13.50	H
	7232.00	-59.75	-40	-19.75	-63.05	8.30	11.60	V
	10848.00	-56.03	-40	-16.03	-57.55	10.48	12.00	V
	14464.00	-50.33	-40	-10.33	-52.03	11.80	13.50	V

Sample 2

LTE CA_48C / 20MHz+20MHz / QPSK / Ant.8								
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	7250.00	-60.04	-40	-20.04	-63.34	8.30	11.60	H
	10875.00	-45.03	-40	-5.03	-46.55	10.48	12.00	H
	14500.00	-50.75	-40	-10.75	-52.45	11.80	13.50	H
	7250.00	-59.87	-40	-19.87	-63.17	8.30	11.60	V
	10875.00	-43.72	-40	-3.72	-45.24	10.48	12.00	V
	14500.00	-50.82	-40	-10.82	-52.52	11.80	13.50	V

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