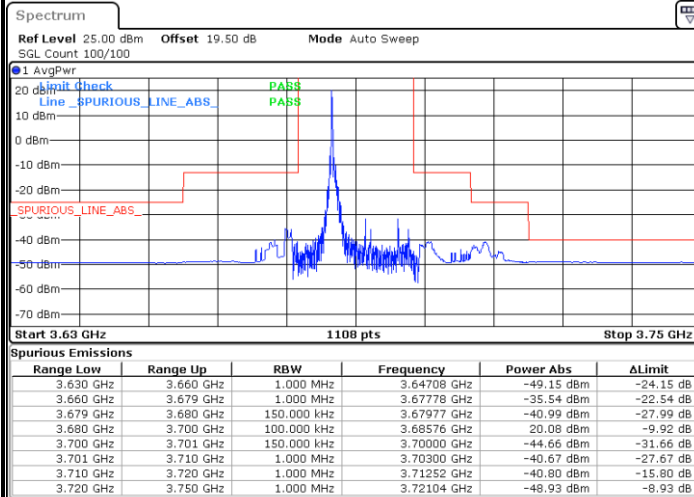




LTE Band 48 / 15MHz

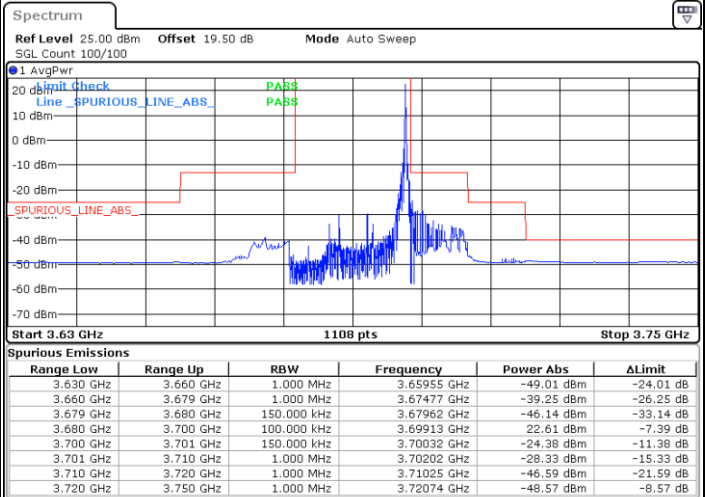
16QAM

Highest Channel / 1RB0



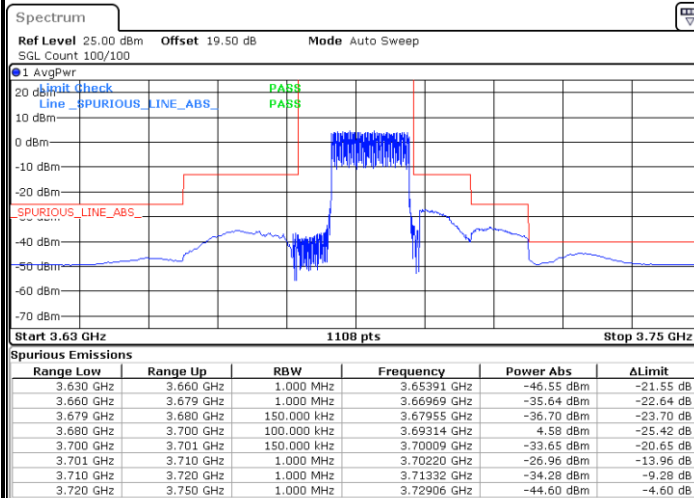
Date: 12.OCT.2024 08:50:17

Highest Channel / 1RBmax



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

Highest Channel / FullRB



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

N/A

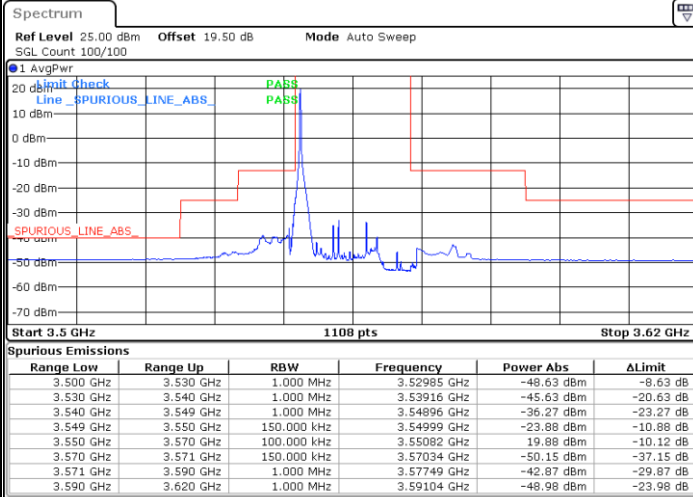


LTE Band 48 / 15MHz

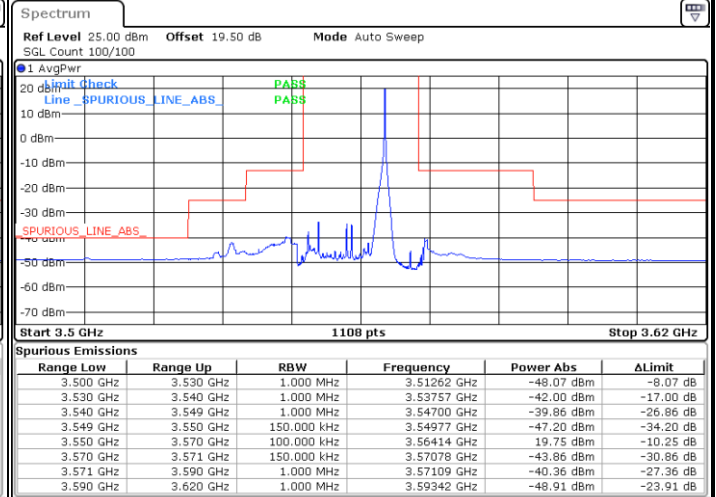
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



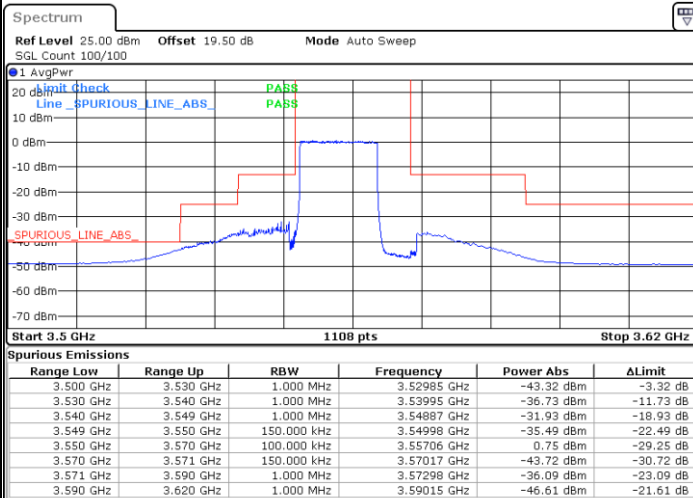
Date: 11.OCT.2024 17:56:08



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

Lowest Channel / FullIRB

N/A



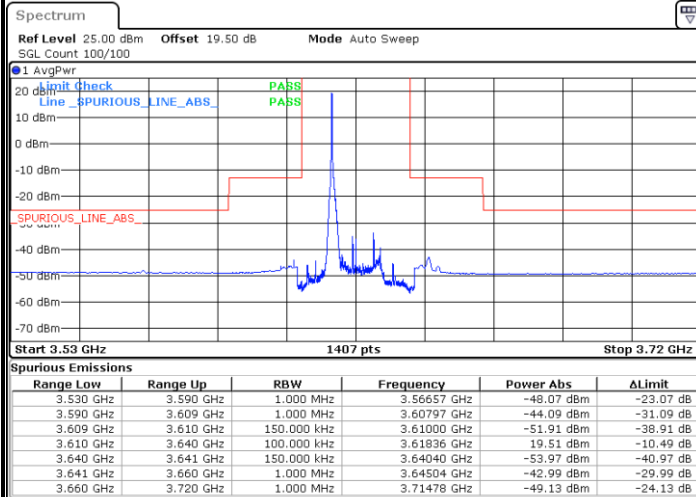
Date: 11.OCT.2024 18:03:24



LTE Band 48 / 15MHz

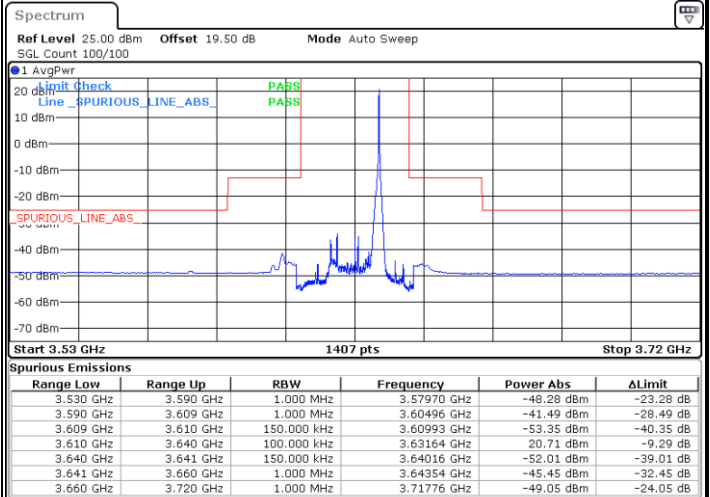
64QAM

Middle Channel / 1RB0



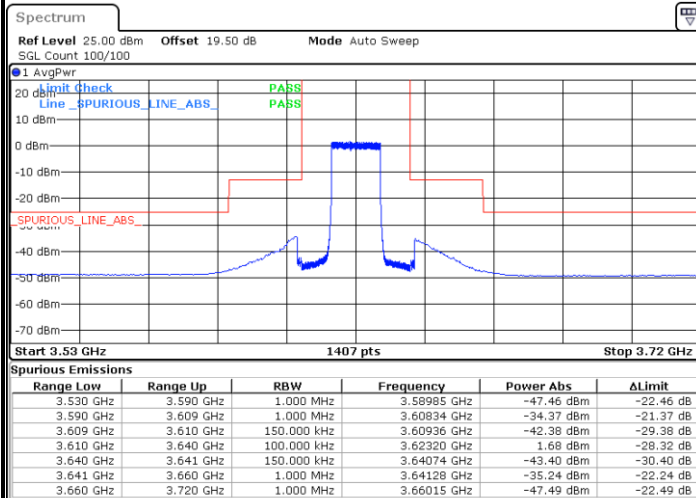
Date: 12.OCT.2024 10:14:30

Middle Channel / 1RBmax



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

Middle Channel / FullIRB



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

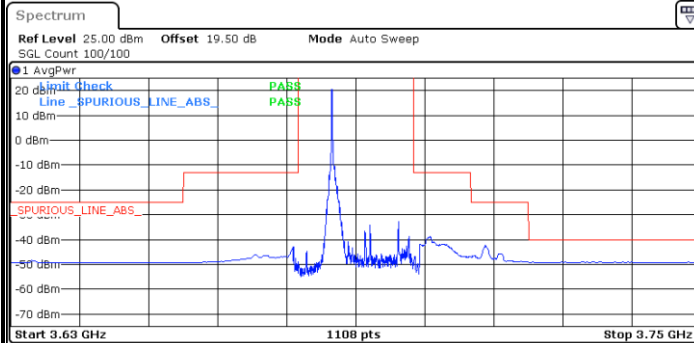
N/A



LTE Band 48 / 15MHz

64QAM

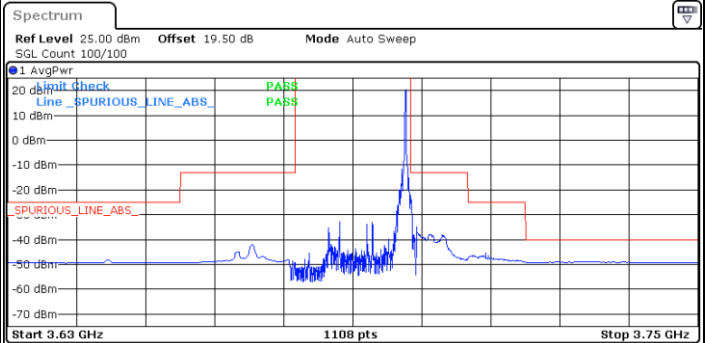
Highest Channel / 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.63371 GHz	-48.37 dBm	-23.37 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-43.52 dBm	-30.52 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67914 GHz	-42.88 dBm	-29.88 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68586 GHz	20.38 dBm	-9.62 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70023 GHz	-46.77 dBm	-33.77 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70292 GHz	-38.64 dBm	-25.64 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71243 GHz	-42.41 dBm	-17.41 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73797 GHz	-49.03 dBm	-9.03 dB

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

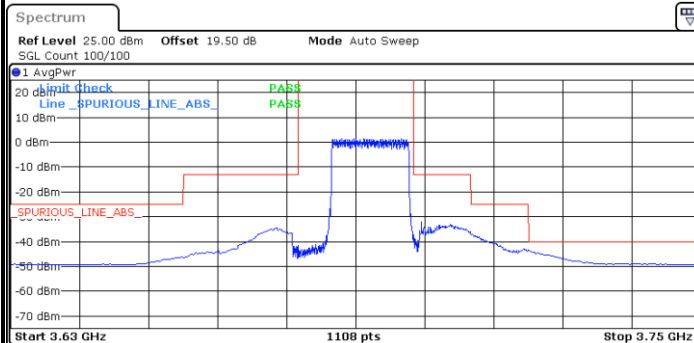
Highest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64767 GHz	-48.26 dBm	-23.26 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67251 GHz	-41.90 dBm	-28.90 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67958 GHz	-48.76 dBm	-35.76 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69923 GHz	20.39 dBm	-9.61 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70011 GHz	-23.94 dBm	-10.94 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-34.93 dBm	-21.93 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71302 GHz	-45.41 dBm	-20.41 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72431 GHz	-48.96 dBm	-8.96 dB

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

Highest Channel / FullRB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65985 GHz	-46.13 dBm	-21.13 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67627 GHz	-34.50 dBm	-21.50 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.68000 GHz	-41.49 dBm	-28.49 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68970 GHz	1.49 dBm	-28.51 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70000 GHz	-37.46 dBm	-24.46 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70140 GHz	-32.17 dBm	-19.17 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71025 GHz	-37.03 dBm	-12.03 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-43.67 dBm	-3.67 dB

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

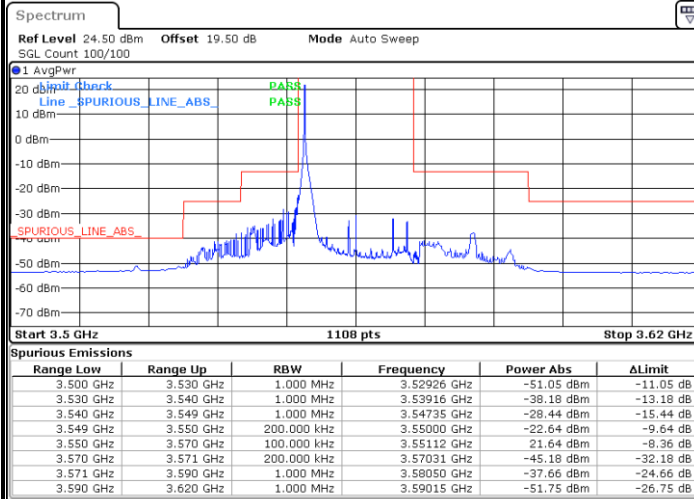
N/A



LTE Band 48 / 20MHz

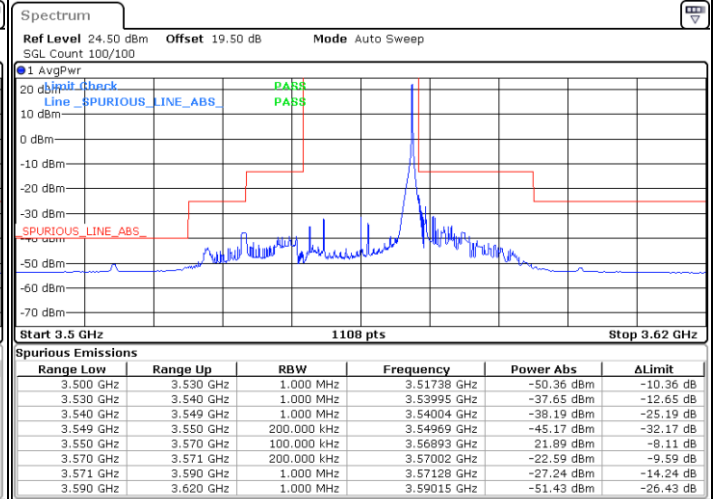
QPSK

Lowest Channel / 1RB0



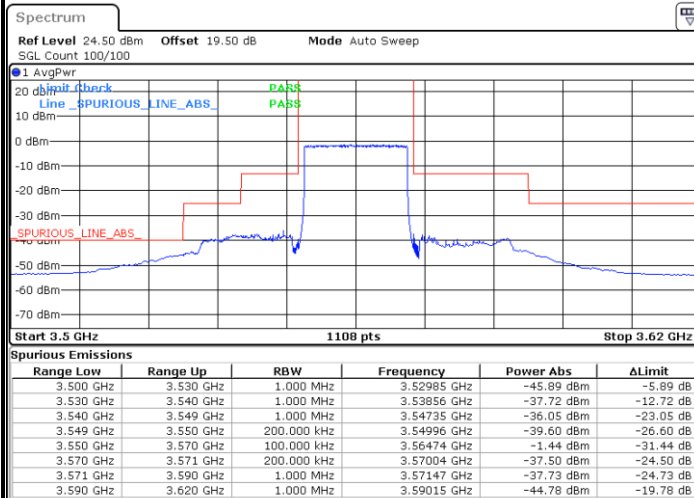
Date: 12.OCT.2024 09:03:36

Lowest Channel / 1RBmax



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

Lowest Channel / FullIRB



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

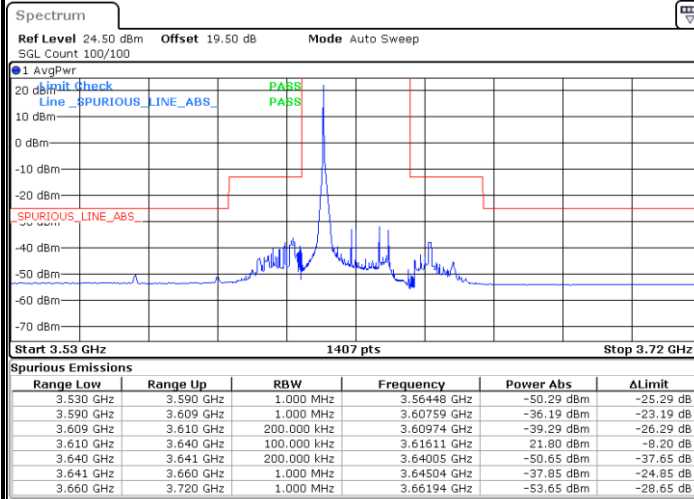
N/A



LTE Band 48 / 20MHz

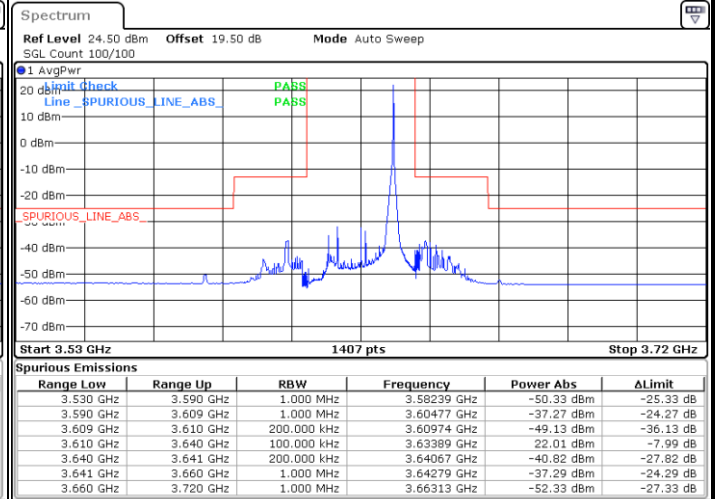
QPSK

Middle Channel / 1RB0



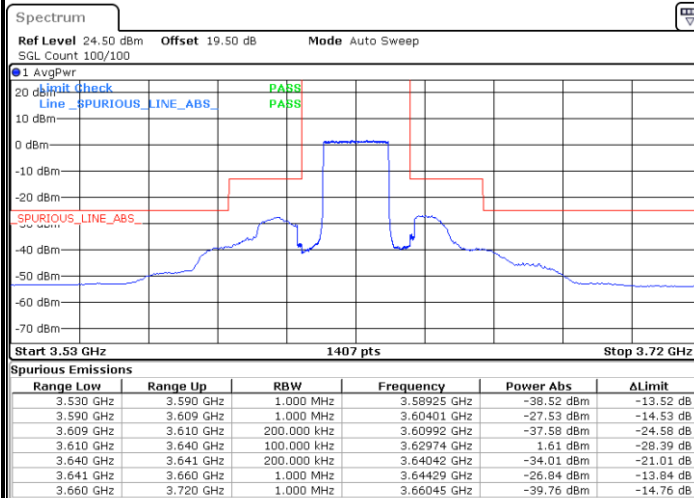
Date: 12.OCT.2024 09:26:58

Middle Channel / 1RBmax



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

Middle Channel / FullIRB



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

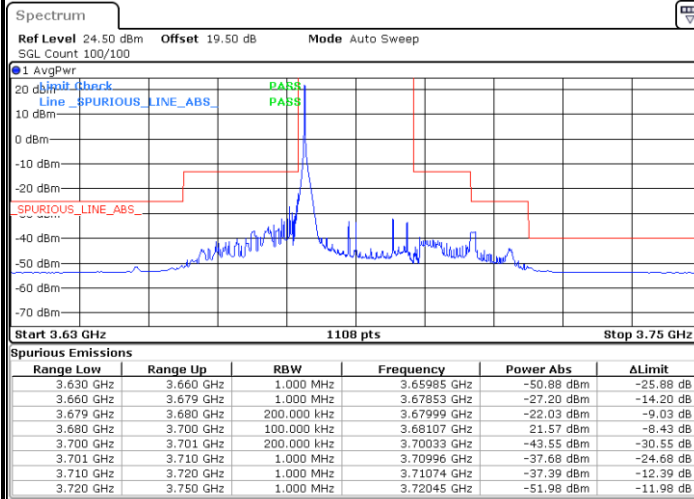
N/A



LTE Band 48 / 20MHz

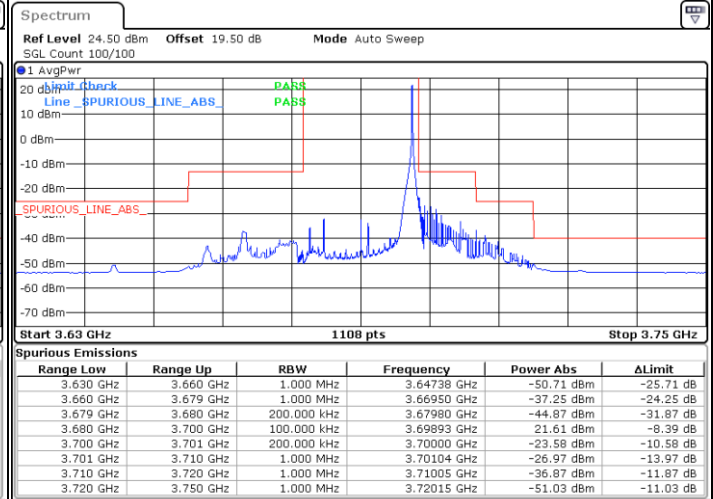
QPSK

Highest Channel / 1RB0



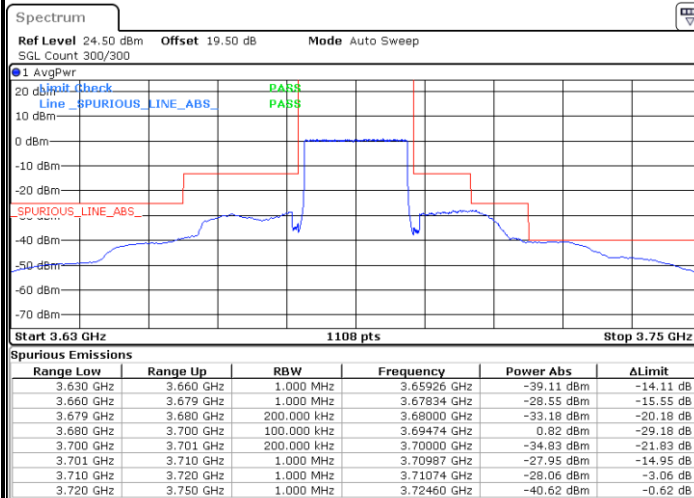
Date: 12.OCT.2024 09:48:31

Highest Channel / 1RBmax



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

Highest Channel / FullRB



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

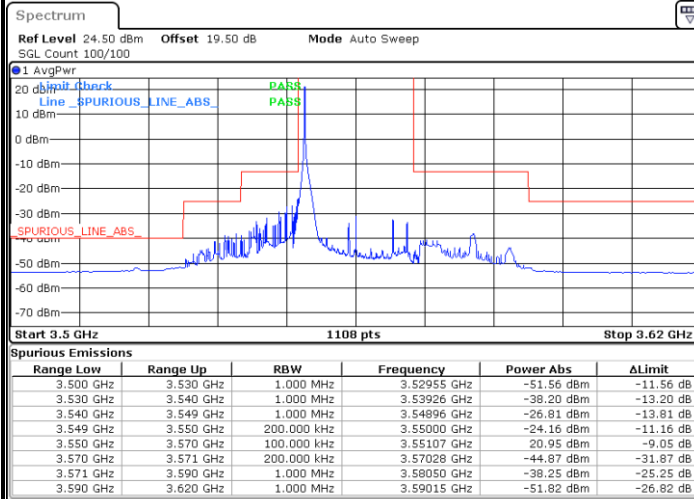
N/A



LTE Band 48 / 20MHz

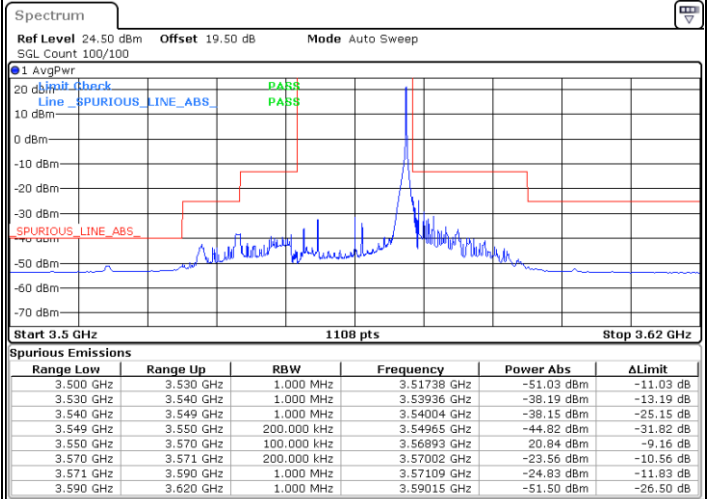
16QAM

Lowest Channel / 1RB0



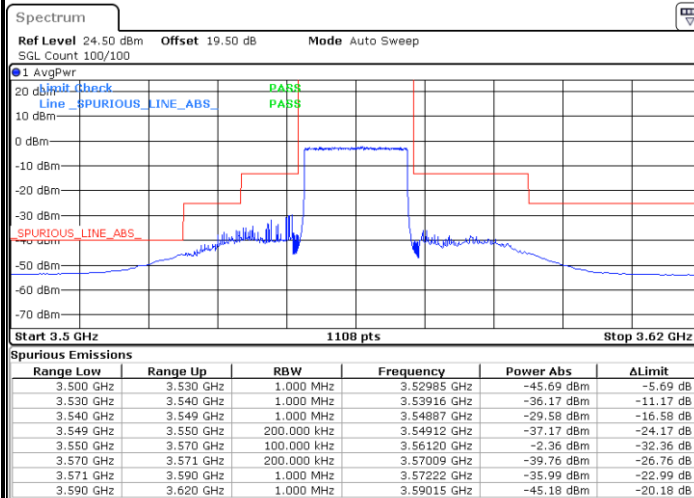
Date: 12.OCT.2024 09:04:49

Lowest Channel / 1RBmax



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

Lowest Channel / FullIRB



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

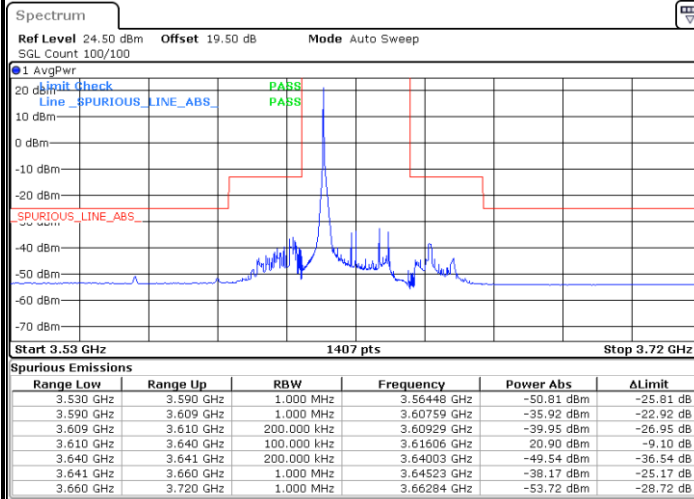
N/A



LTE Band 48 / 20MHz

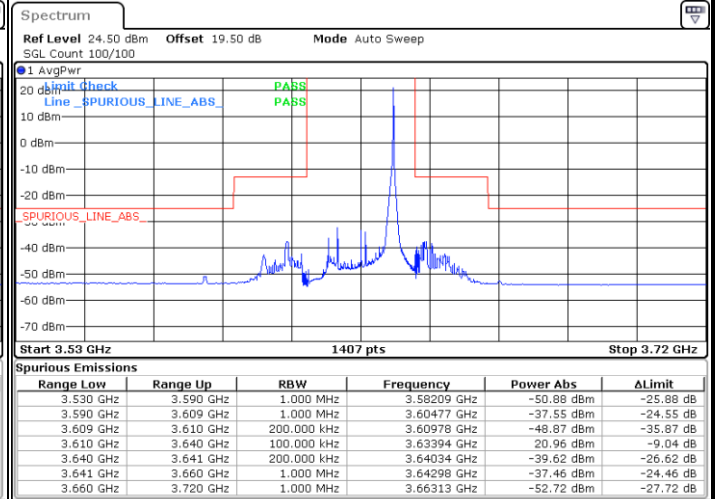
16QAM

Middle Channel / 1RB0



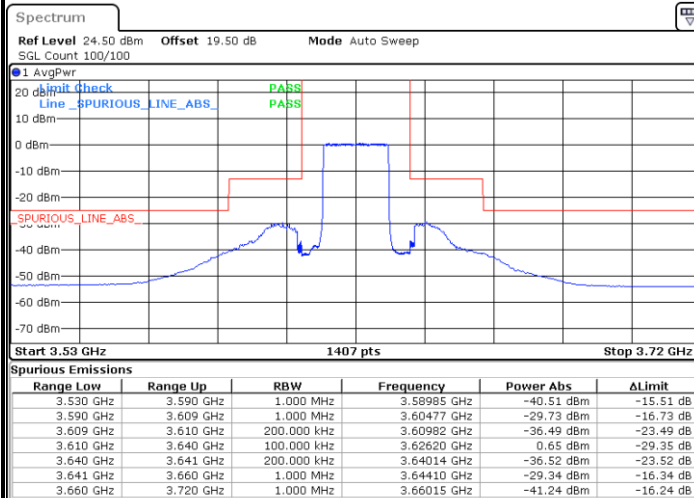
Date: 12.OCT.2024 09:41:27

Middle Channel / 1RBmax



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

Middle Channel / FullRB



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

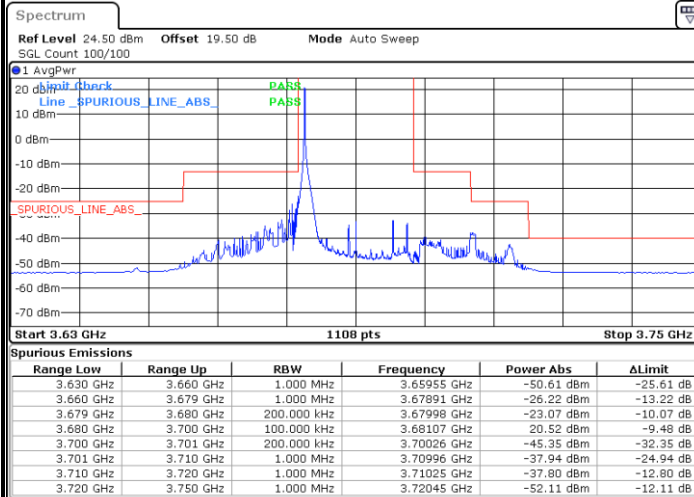
N/A



LTE Band 48 / 20MHz

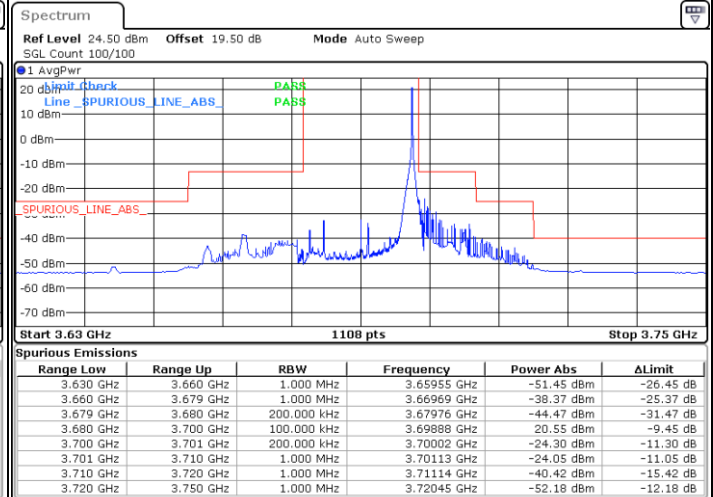
16QAM

Highest Channel / 1RB0



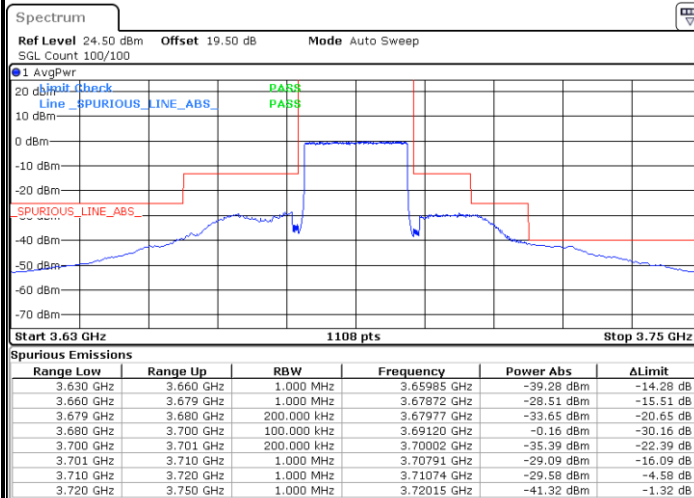
Date: 12.OCT.2024 09:50:08

Highest Channel / 1RBmax



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

Highest Channel / FullRB



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

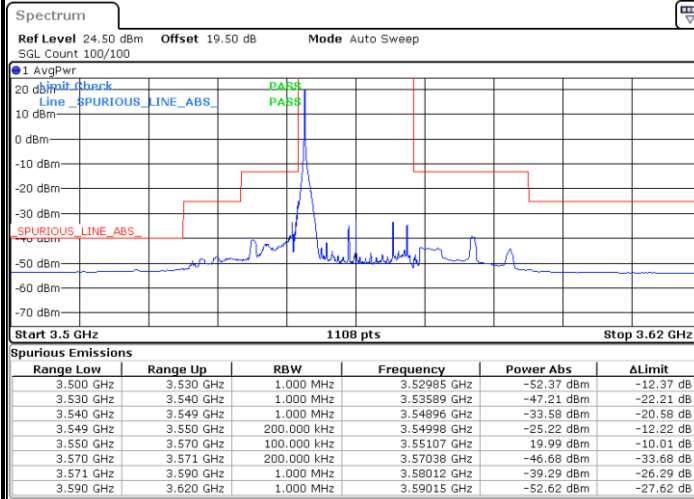
N/A



LTE Band 48 / 20MHz

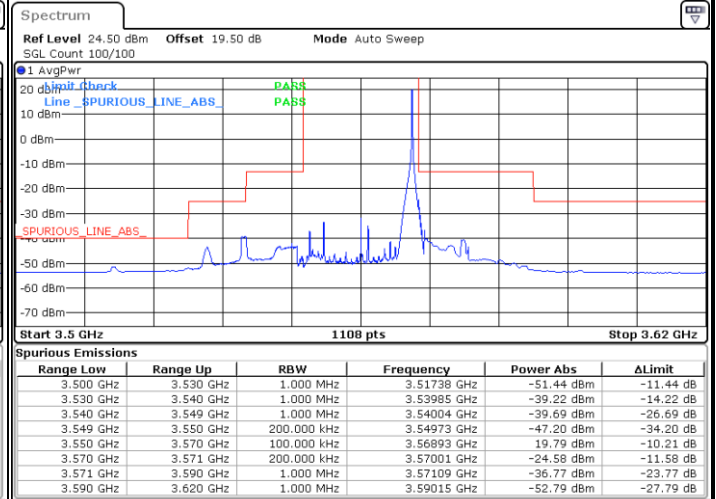
64QAM

Lowest Channel / 1RB0



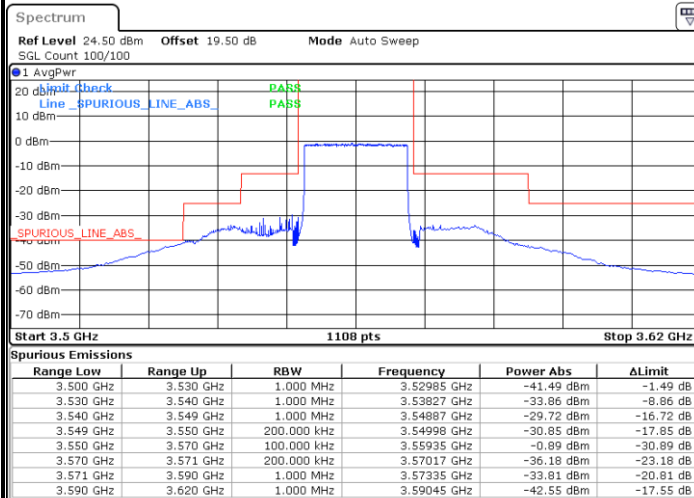
Date: 12.OCT.2024 09:06:01

Lowest Channel / 1RBmax



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

Lowest Channel / FullIRB



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

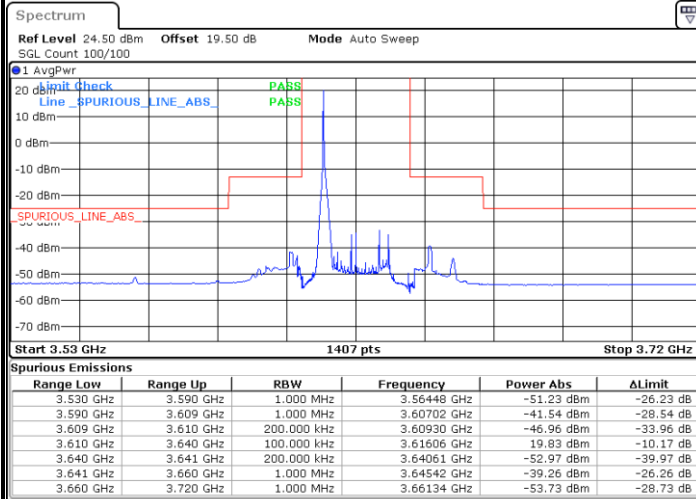
N/A



LTE Band 48 / 20MHz

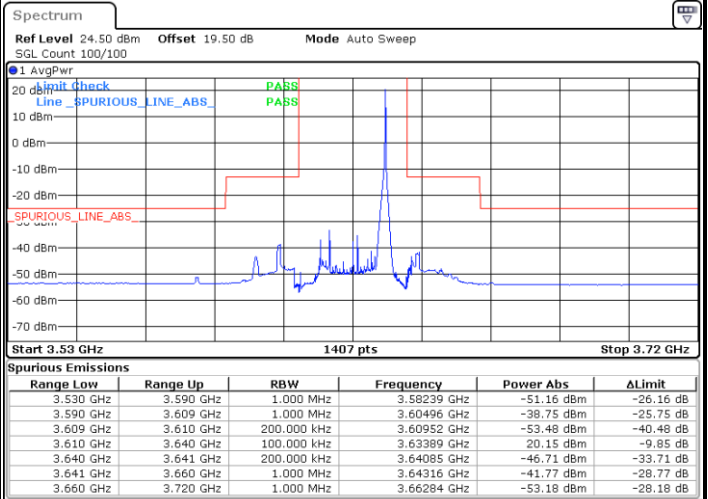
64QAM

Middle Channel / 1RB0



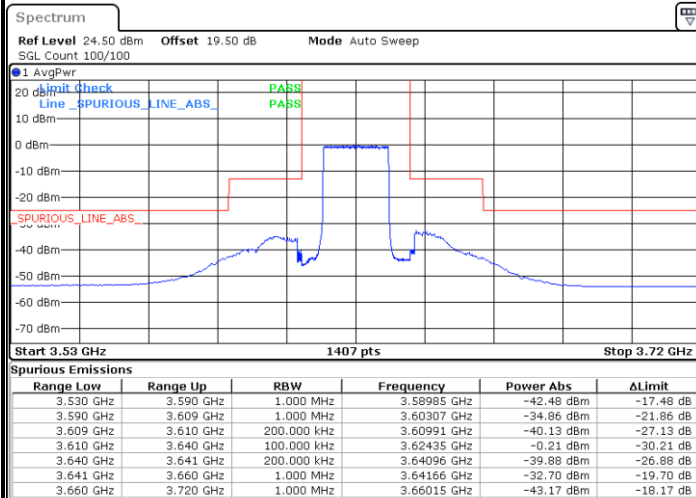
Date: 12.OCT.2024 09:39:52

Middle Channel / 1RBmax



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

Middle Channel / FullRB



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

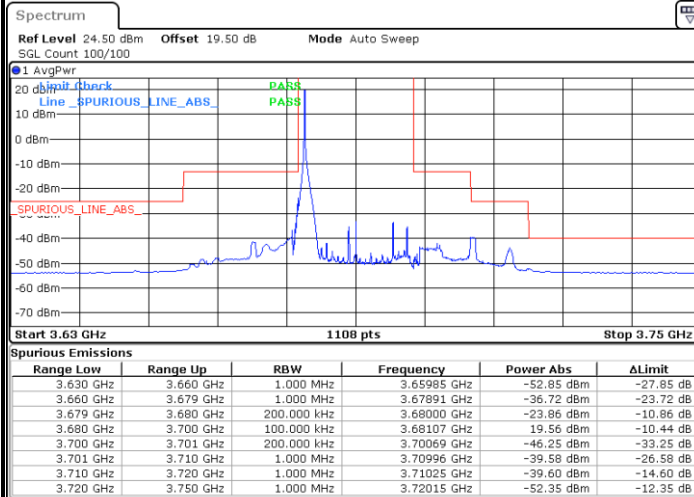
N/A



LTE Band 48 / 20MHz

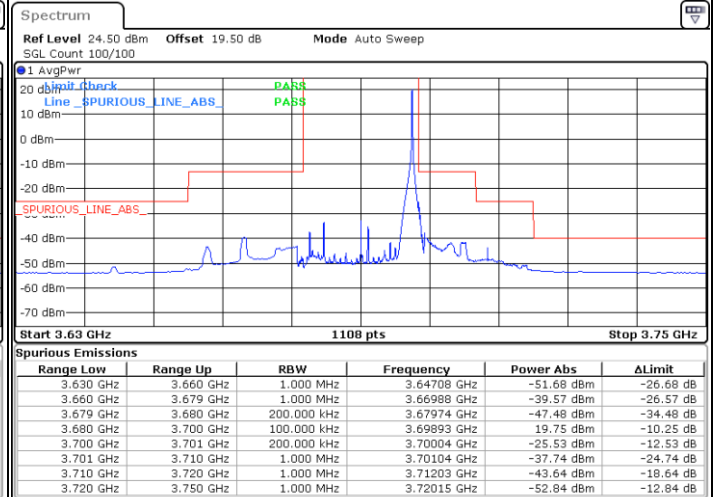
64QAM

Highest Channel / 1RB0



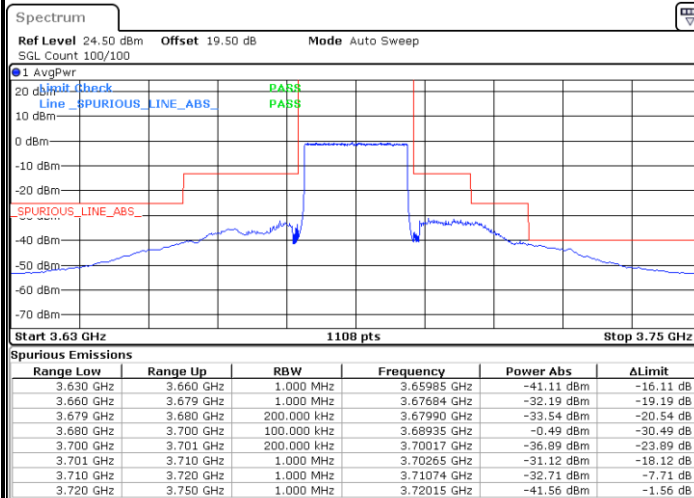
Date: 12.OCT.2024 09:51:28

Highest Channel / 1RBmax



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

Highest Channel / FullRB



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

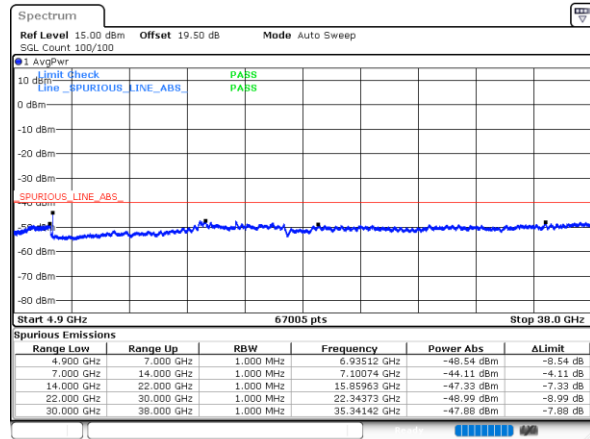
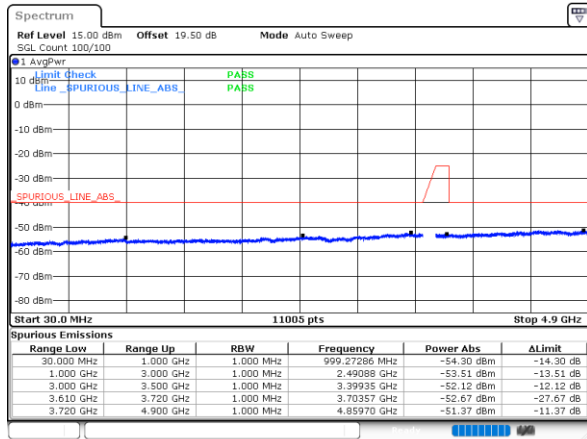
N/A



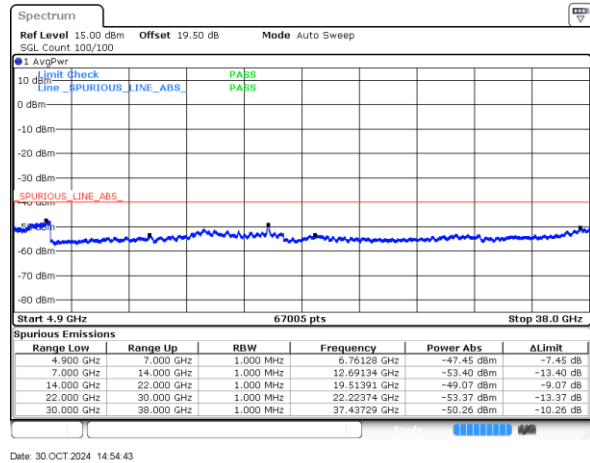
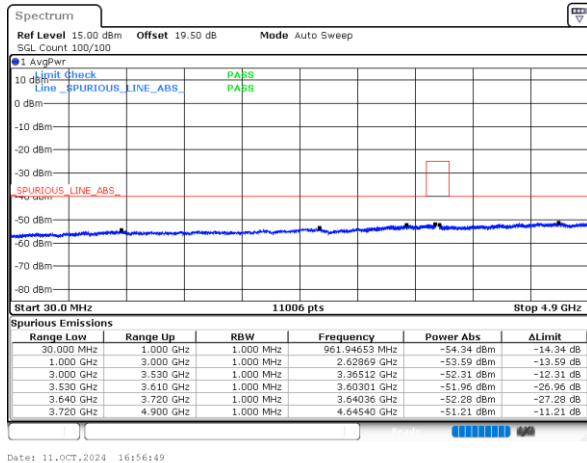
Conducted Spurious Emission

LTE Band 48 / 5MHz

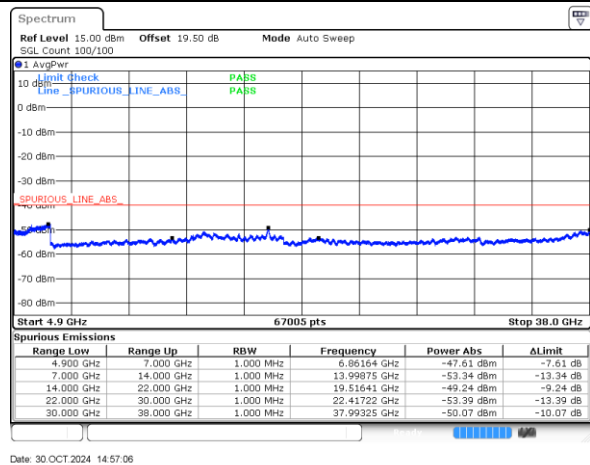
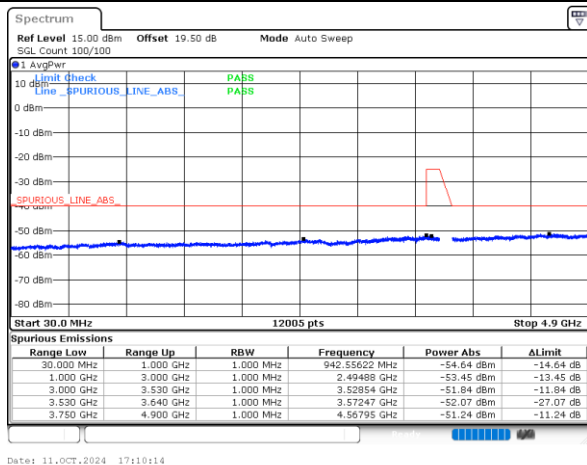
Lowest Channel / QPSK



Middle Channel / QPSK



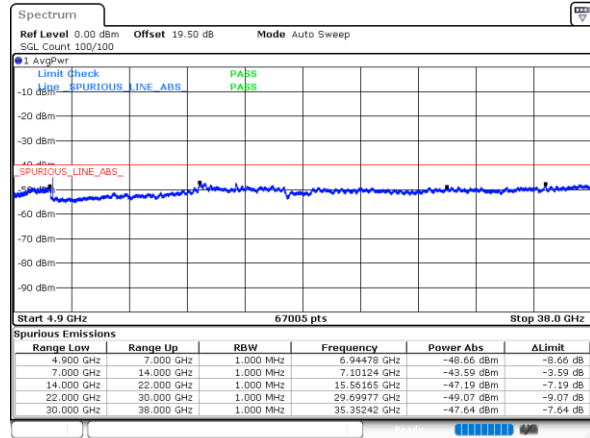
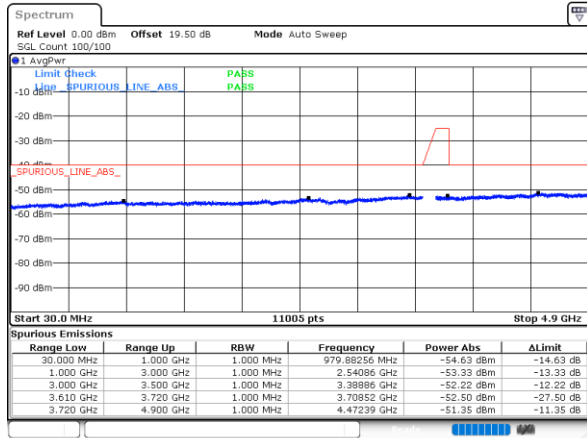
Highest Channel / QPSK



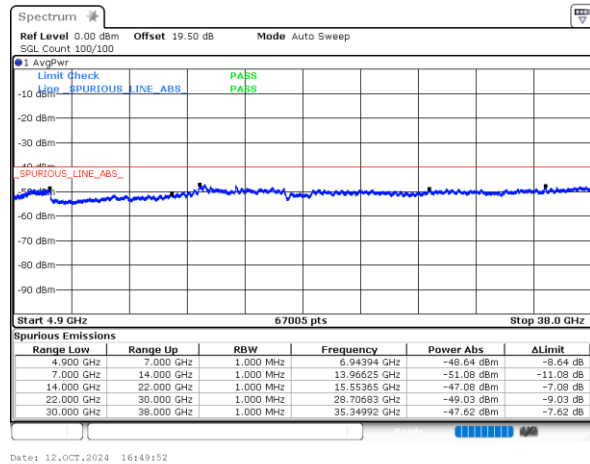
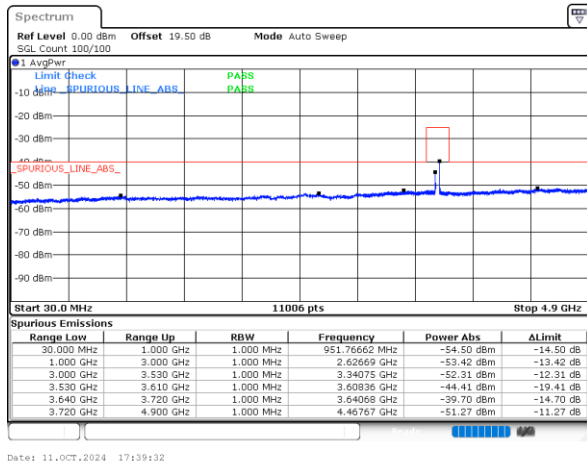


LTE Band 48 / 10MHz

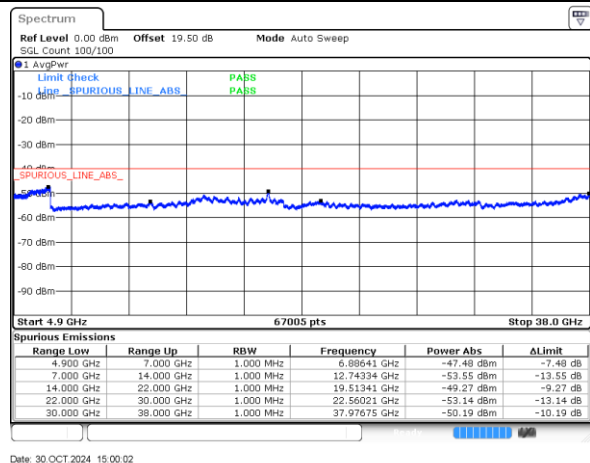
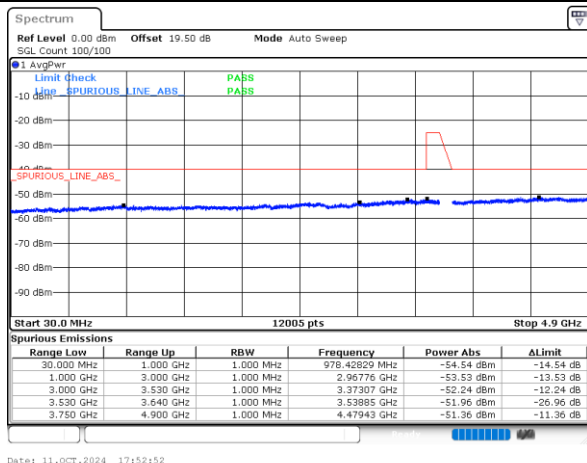
Lowest Channel / QPSK



Middle Channel / QPSK



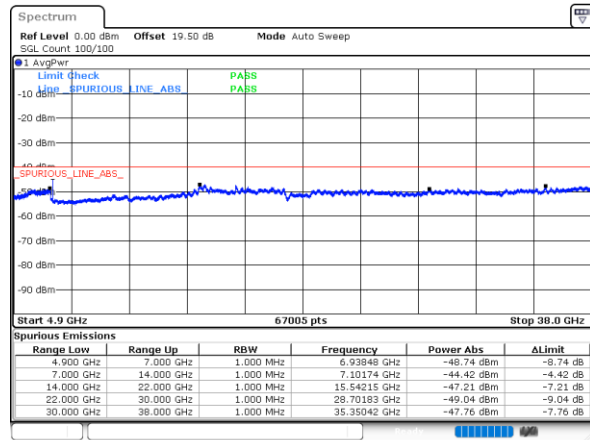
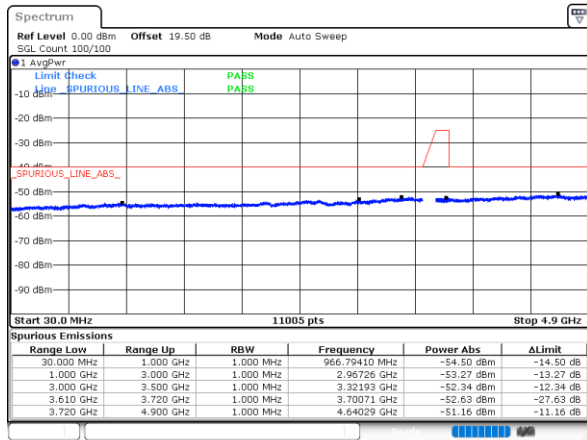
Highest Channel / QPSK



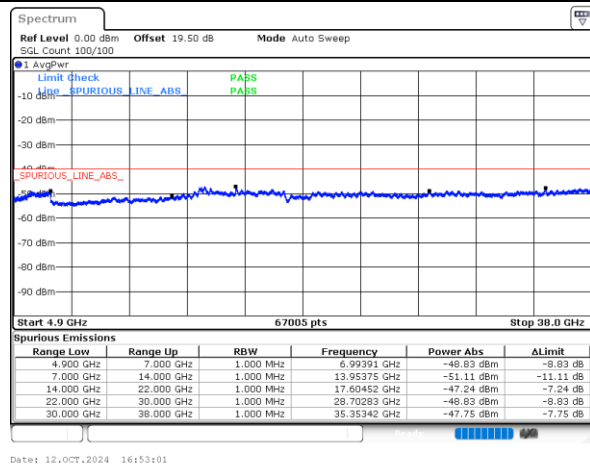
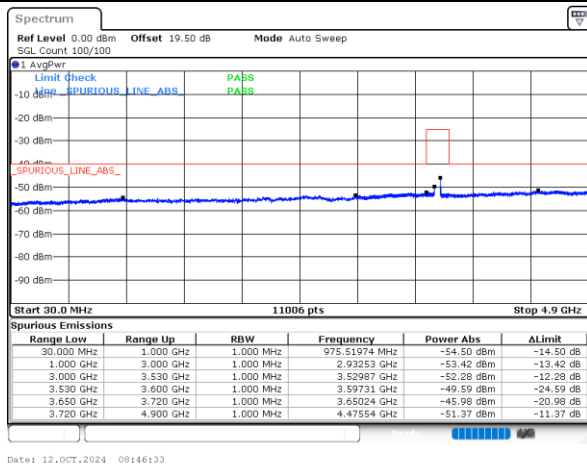


LTE Band 48 / 15MHz

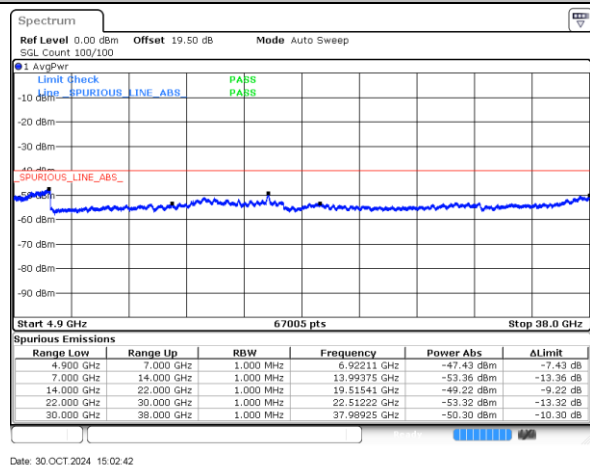
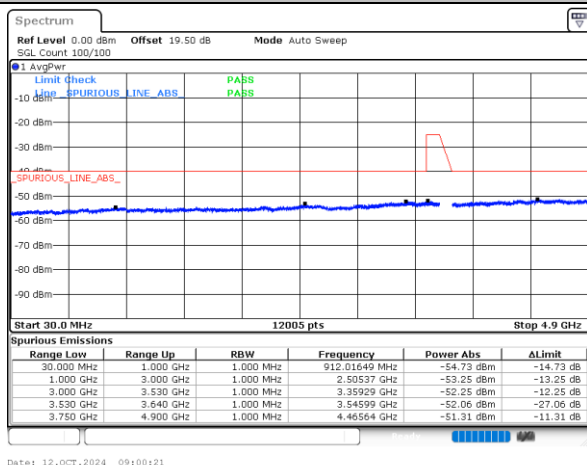
Lowest Channel / QPSK



Middle Channel / QPSK



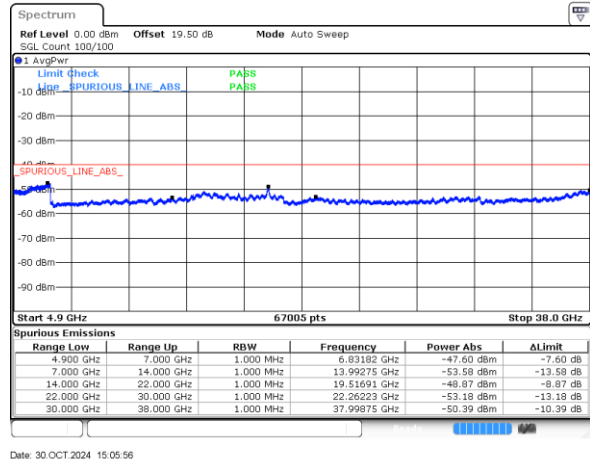
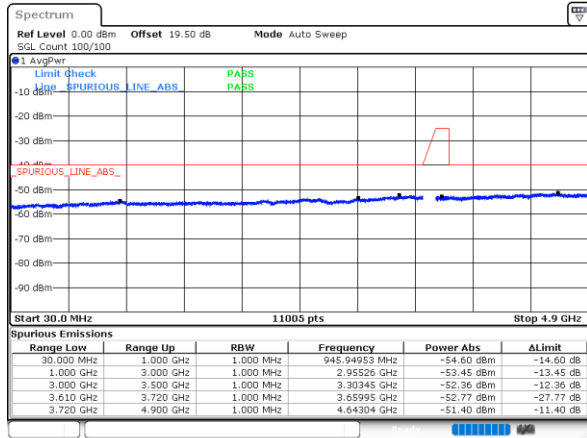
Highest Channel / QPSK



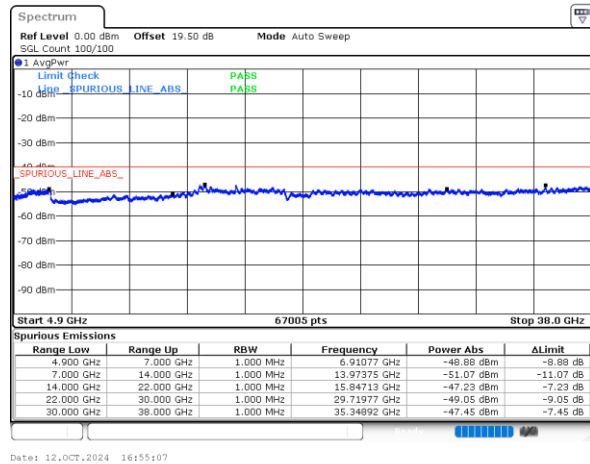
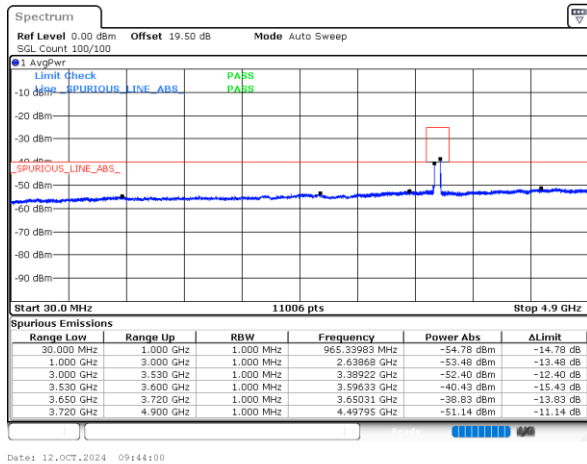


LTE Band 48 / 20MHz

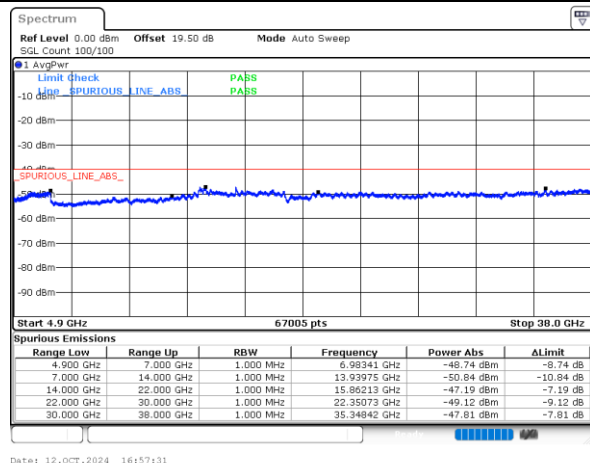
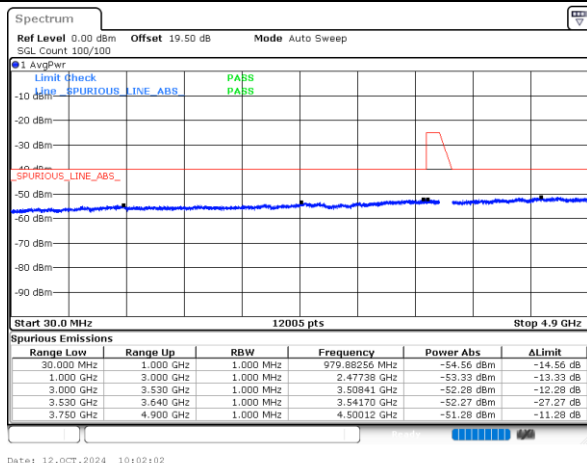
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



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 (ACL RP) = 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.