

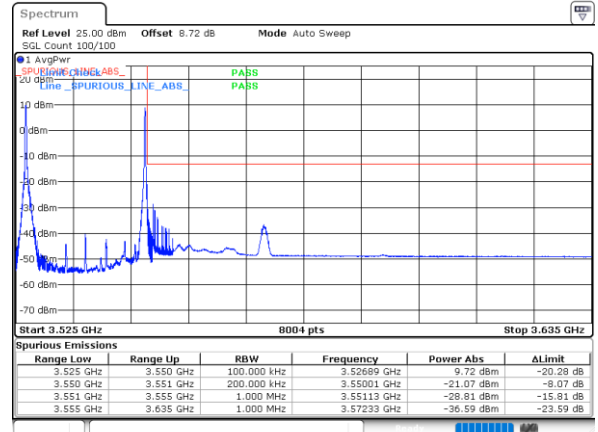
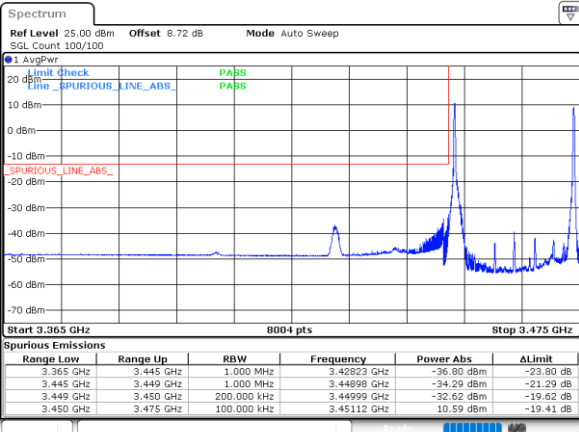


LTE Band 42C / 20MHz+5MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

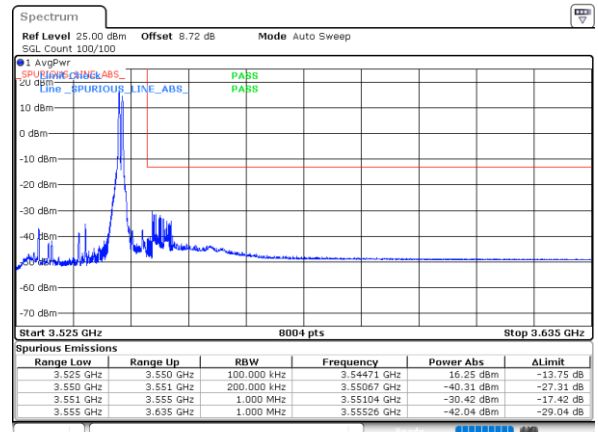
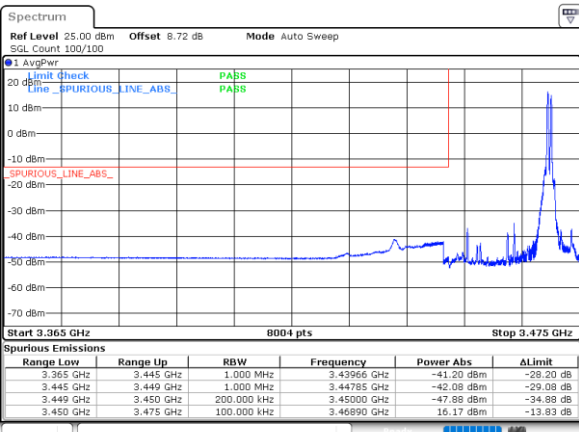


Date: 17 JUN 2024 18:05:31

Date: 17 JUN 2024 18:23:57

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

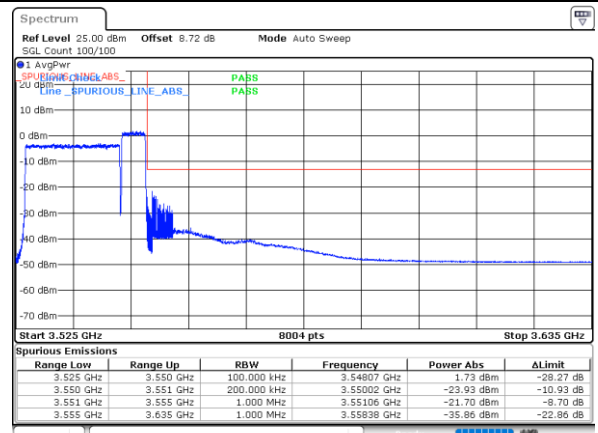
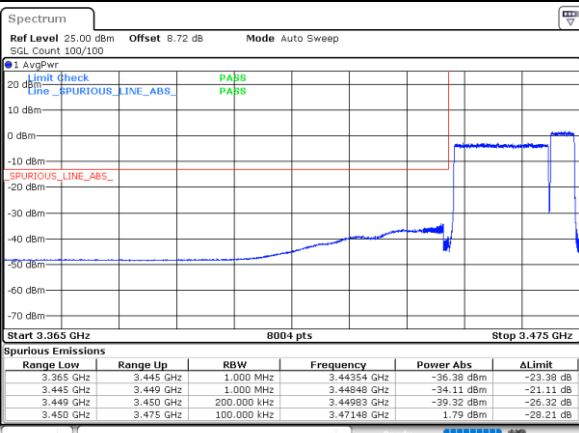


Date: 17 JUN 2024 17:59:08

Date: 17 JUN 2024 18:17:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 18:02:20

Date: 17 JUN 2024 18:20:46

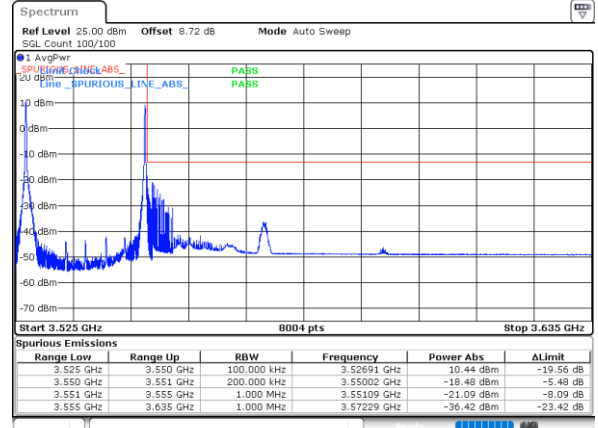
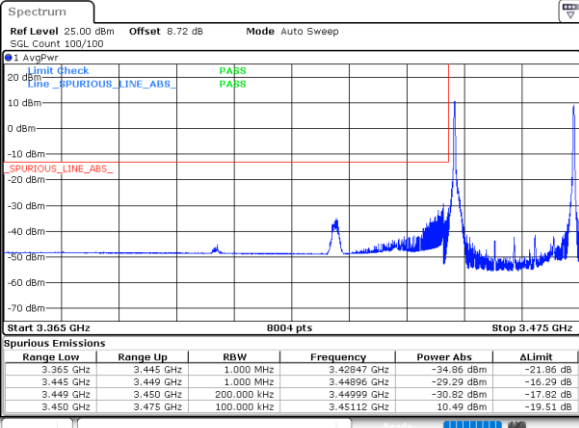


LTE Band 42C / 20MHz+5MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

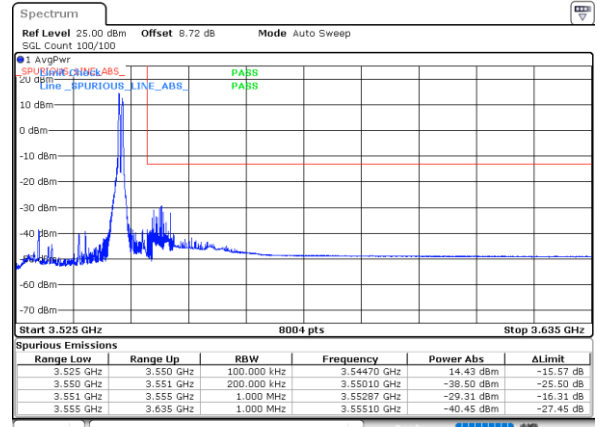
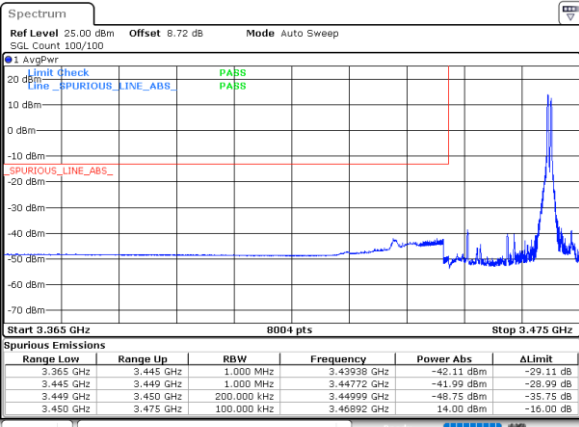


Date: 17\_JUN,2024 22:53:21

Date: 17\_JUN,2024 22:56:35

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

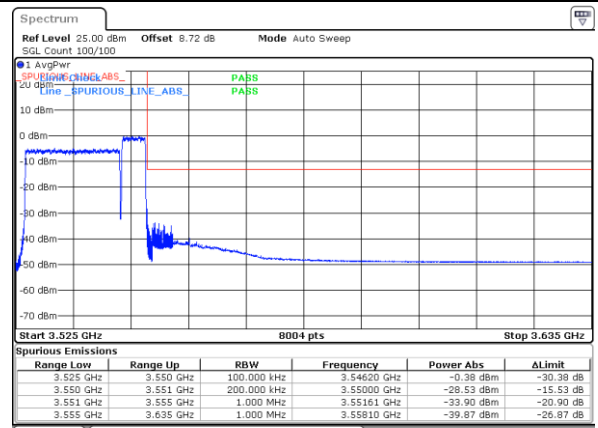
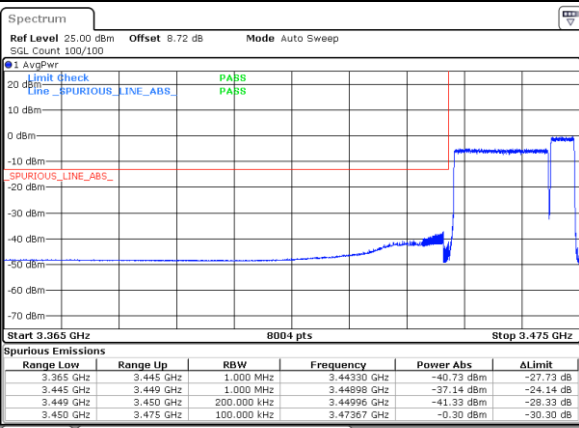


Date: 17\_JUN,2024 22:52:18

Date: 17\_JUN,2024 22:57:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17\_JUN,2024 22:54:25

Date: 17\_JUN,2024 22:55:32

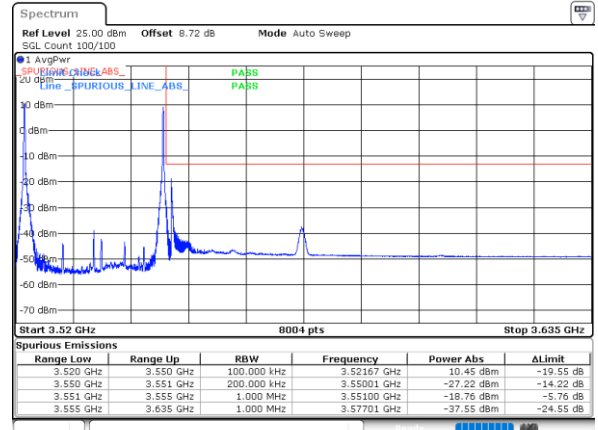
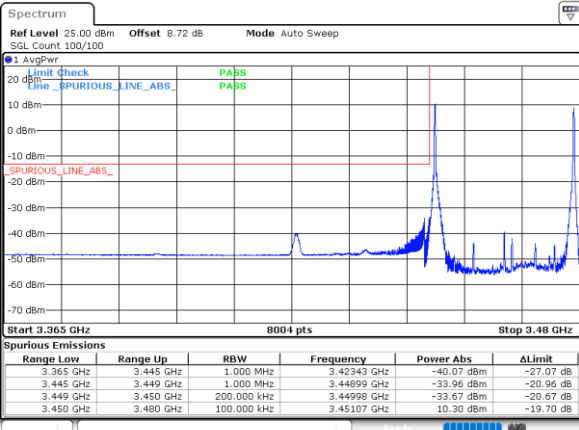


LTE Band 42C / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

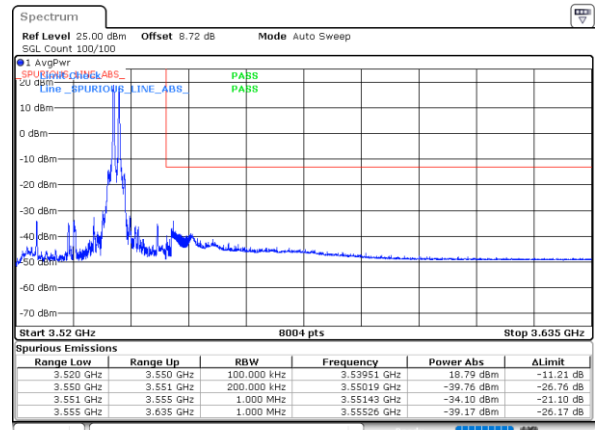
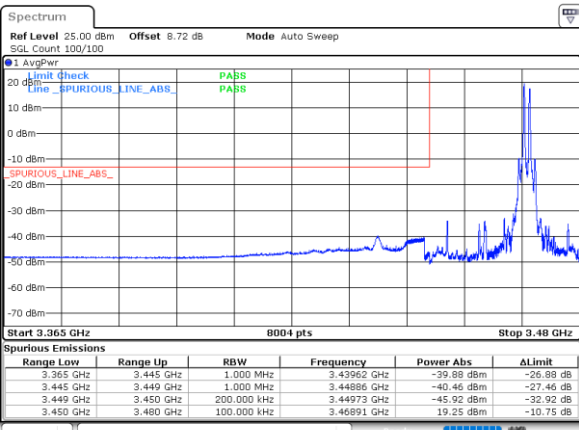


Date: 17 JUN 2024 18:32:14

Date: 17 JUN 2024 18:50:40

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

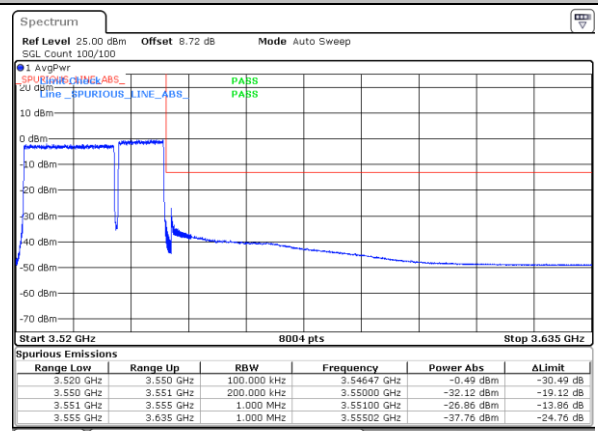
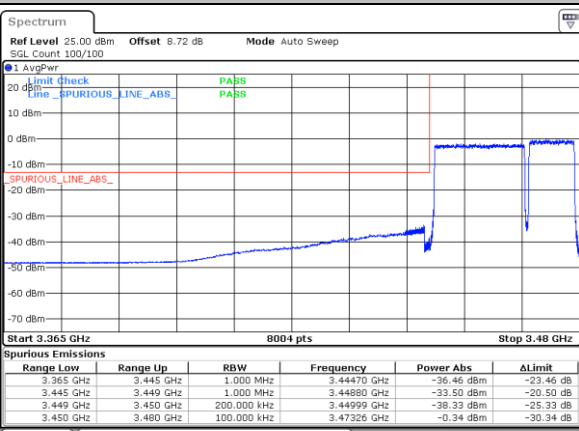


Date: 17 JUN 2024 18:26:32

Date: 17 JUN 2024 18:44:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 18:29:43

Date: 17 JUN 2024 18:47:28

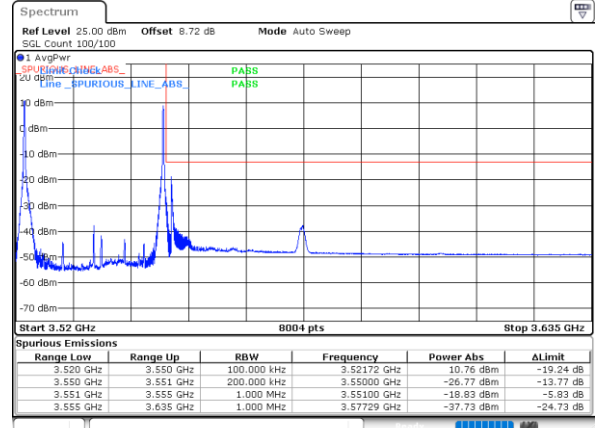
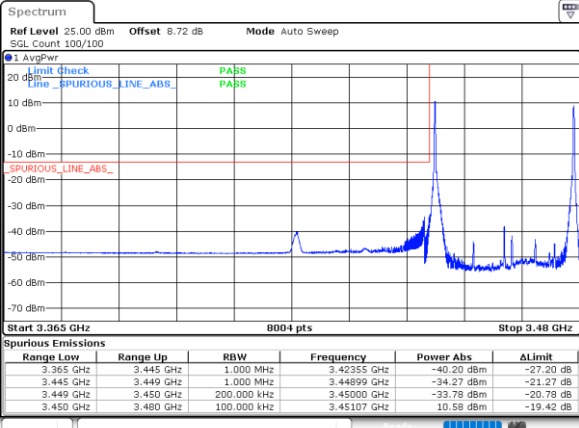


LTE Band 42C / 20MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

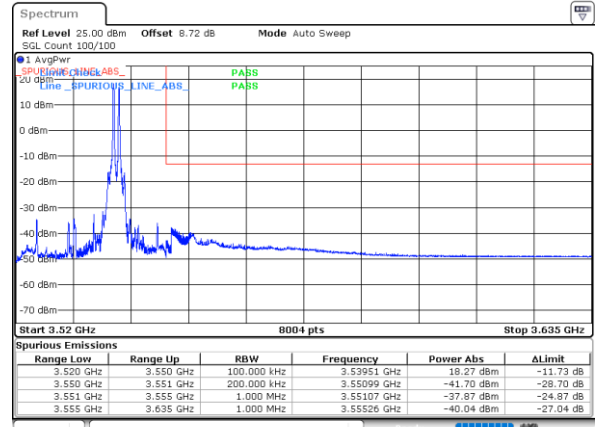
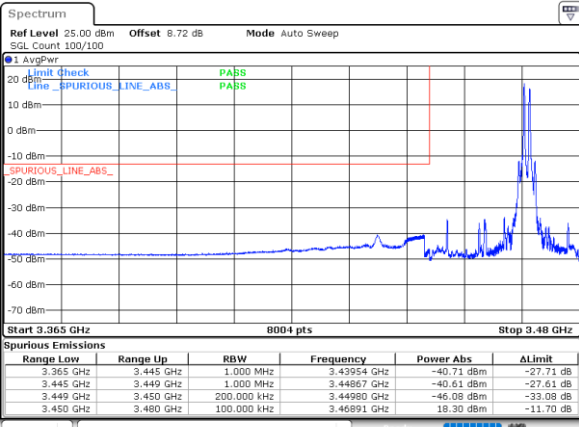


Date: 17 JUN 2024 18:33:57

Date: 17 JUN 2024 18:51:44

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

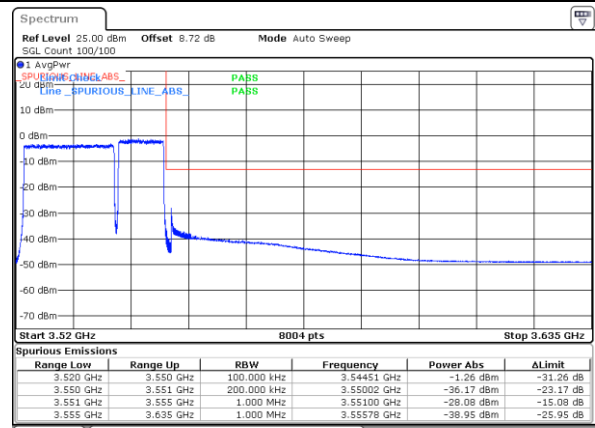
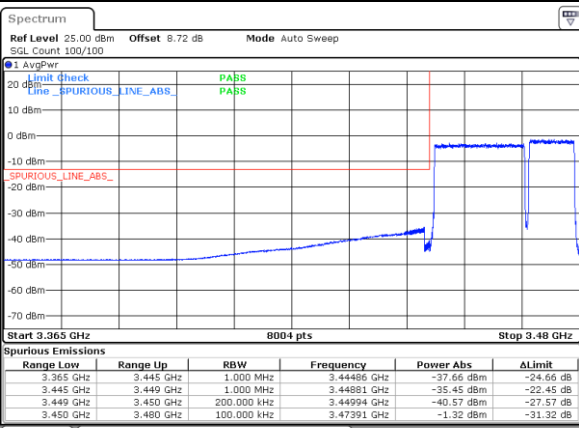


Date: 17 JUN 2024 18:27:34

Date: 17 JUN 2024 18:45:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 18:30:46

Date: 17 JUN 2024 18:48:31

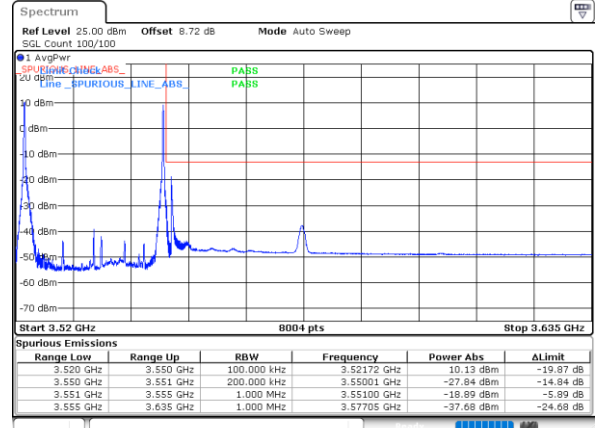
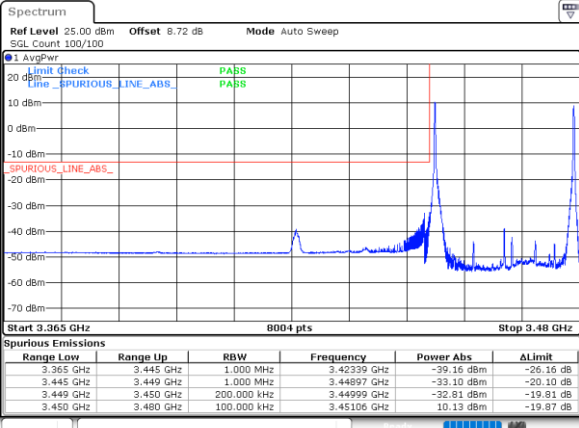


LTE Band 42C / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

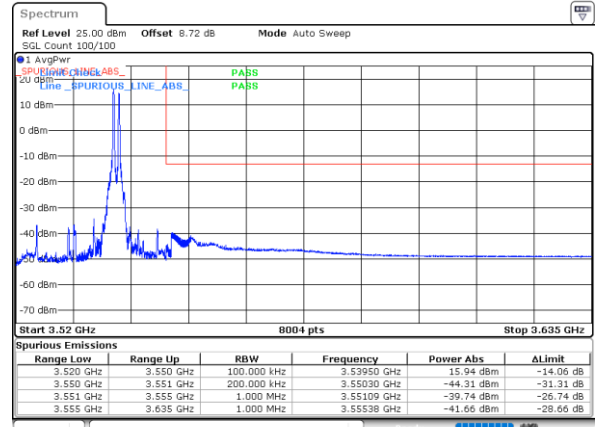
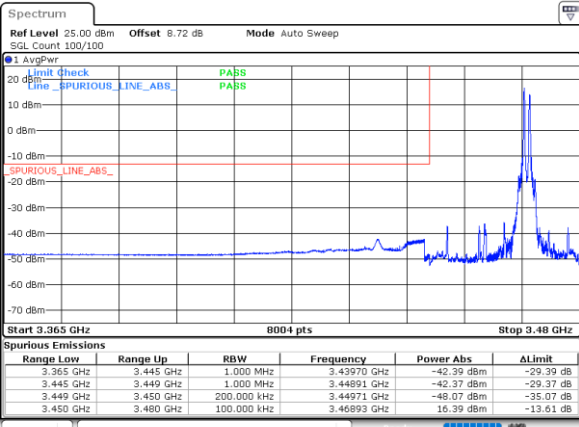


Date: 17 JUN 2024 18:35:01

Date: 17 JUN 2024 18:52:48

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

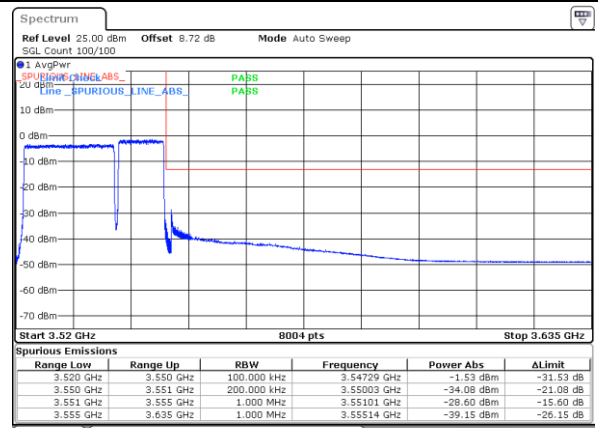
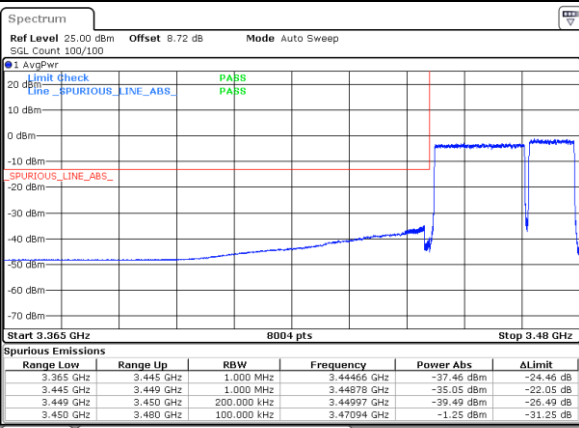


Date: 17 JUN 2024 18:28:39

Date: 17 JUN 2024 18:46:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 18:31:50

Date: 17 JUN 2024 18:49:35

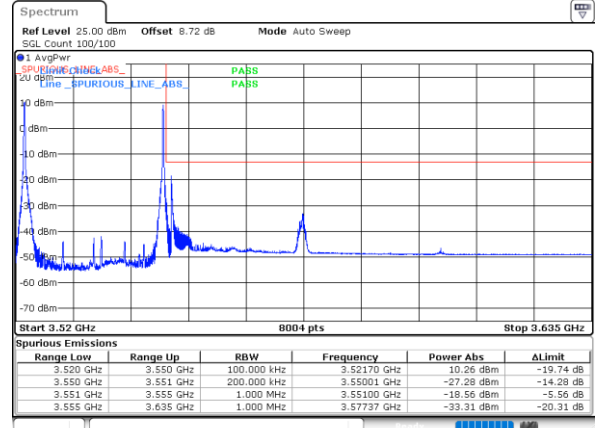
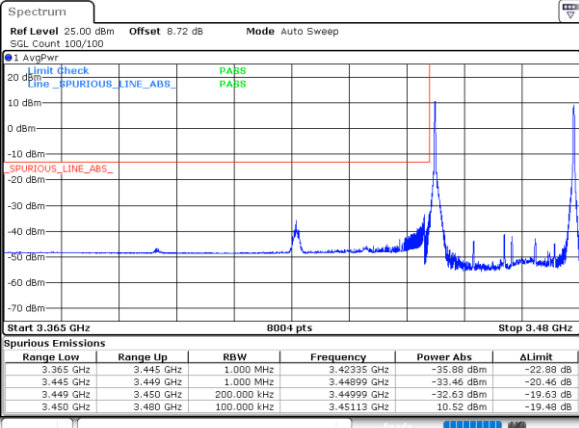


LTE Band 42C / 20MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

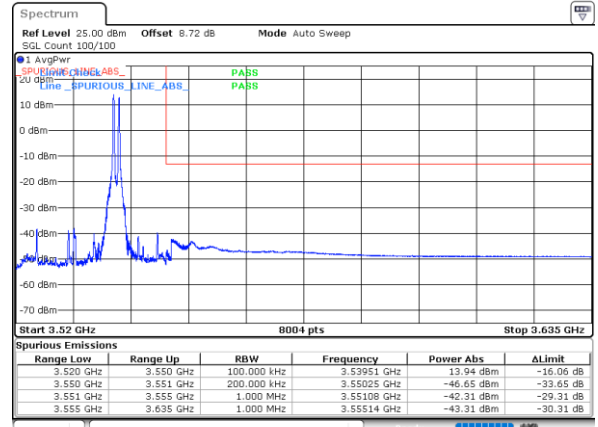
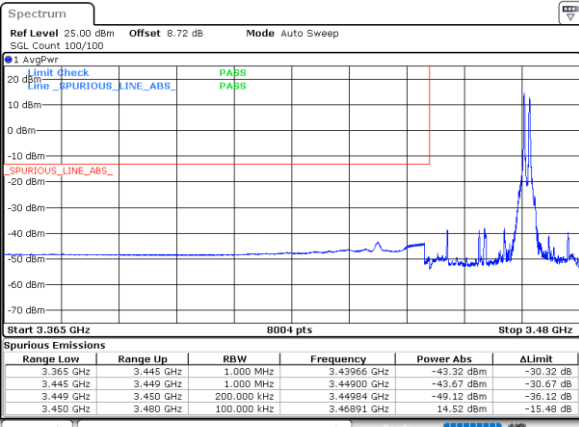


Date: 17 JUN 2024 22:59:48

Date: 17 JUN 2024 23:03:04

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

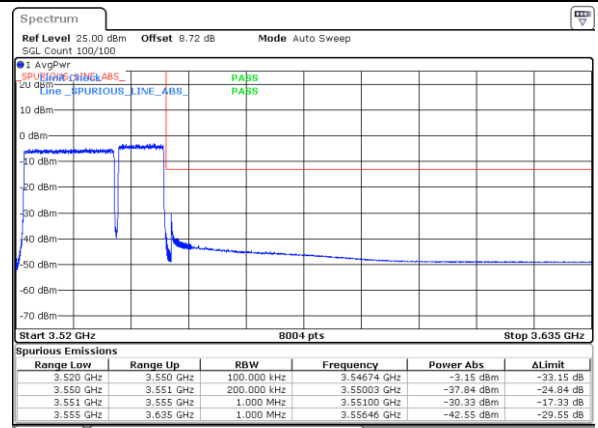
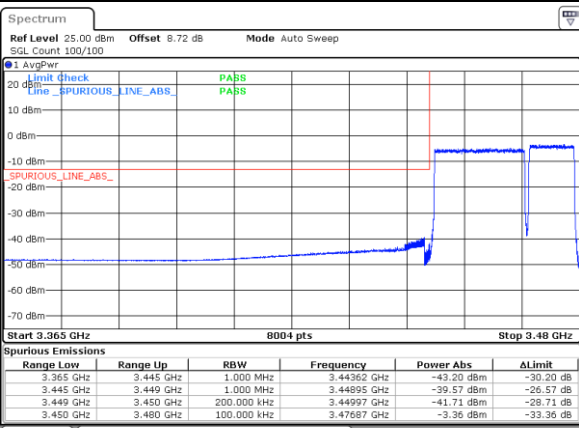


Date: 17 JUN 2024 22:59:45

Date: 17 JUN 2024 23:04:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 23:00:52

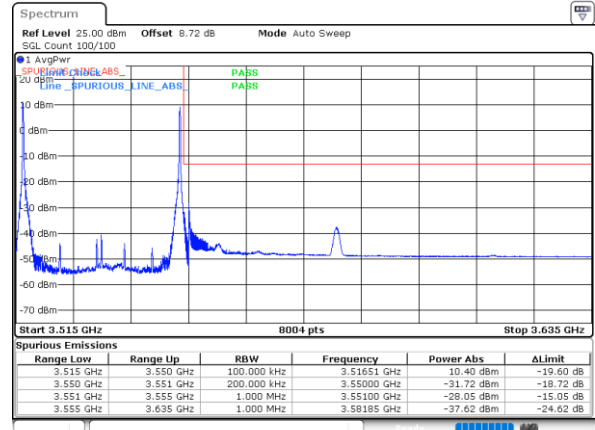
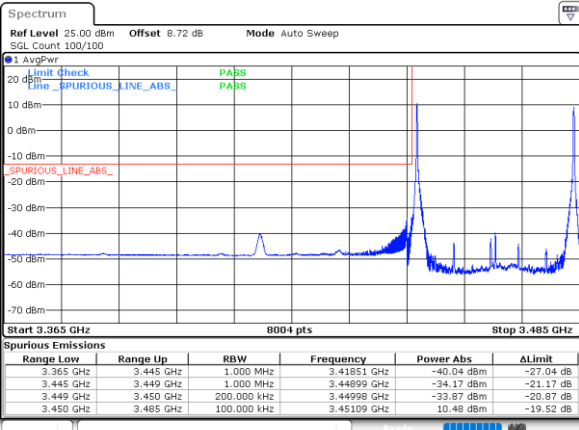
Date: 17 JUN 2024 23:02:00

LTE Band 42C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

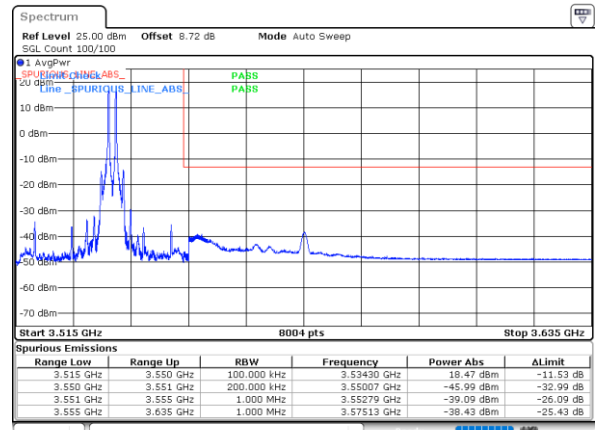
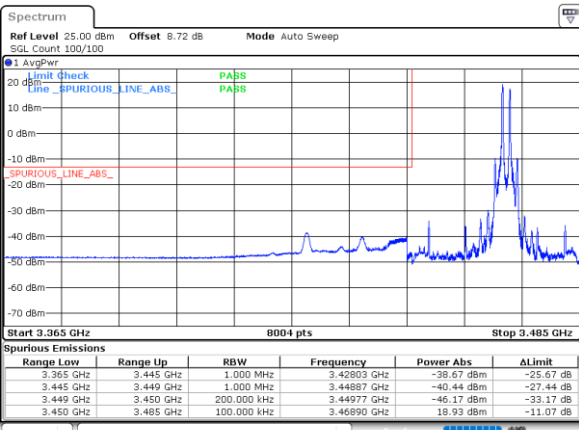


Date: 17 JUN 2024 19:01:44

Date: 17 JUN 2024 19:14:17

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

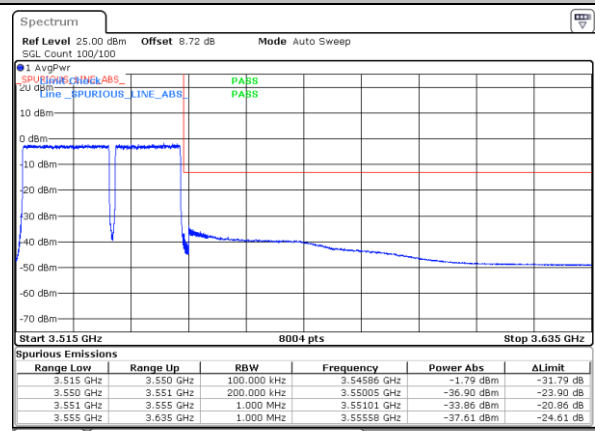
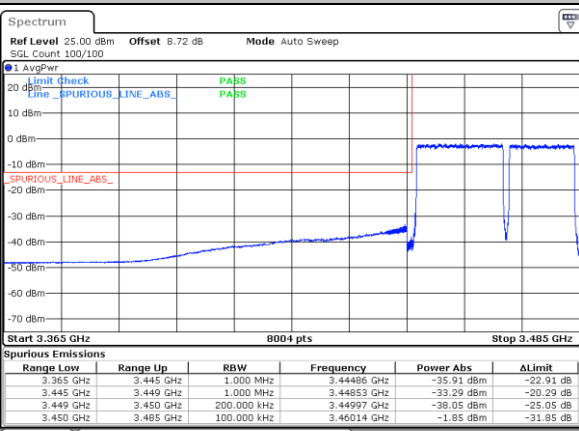


Date: 17 JUN 2024 18:55:22

Date: 17 JUN 2024 19:07:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 18:58:33

Date: 17 JUN 2024 19:11:07

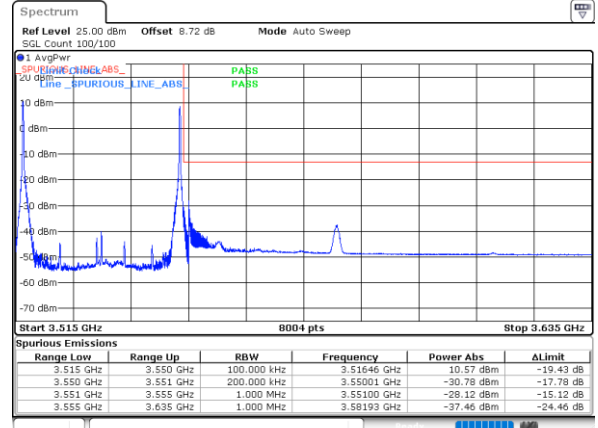
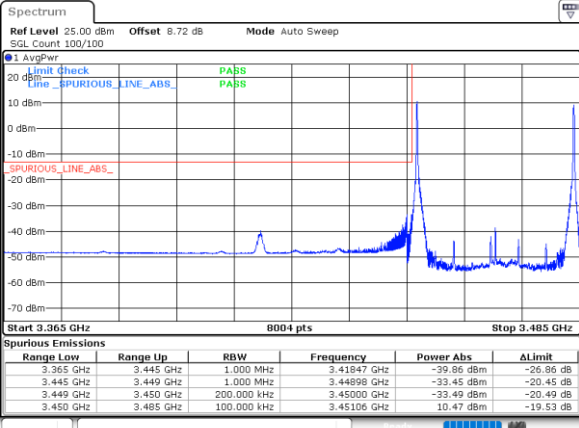


LTE Band 42C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

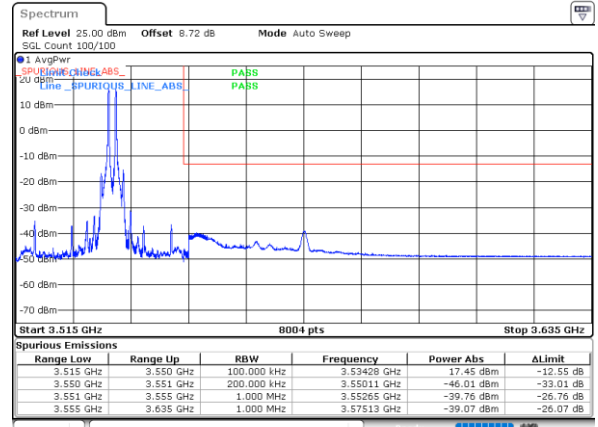
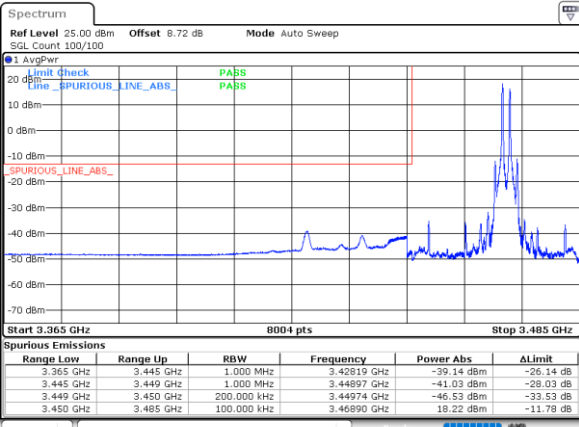


Date: 17 JUN 2024 19:02:48

Date: 17 JUN 2024 19:15:20

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

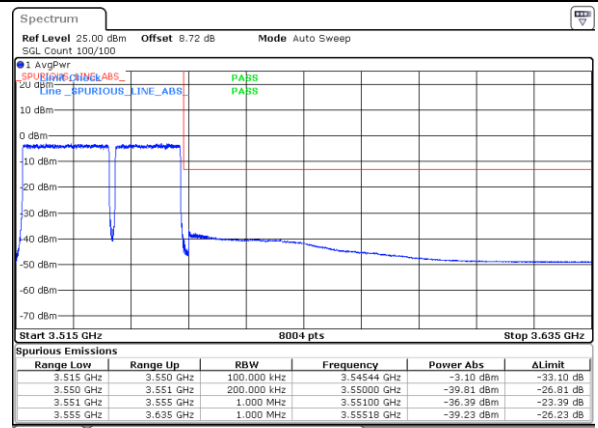
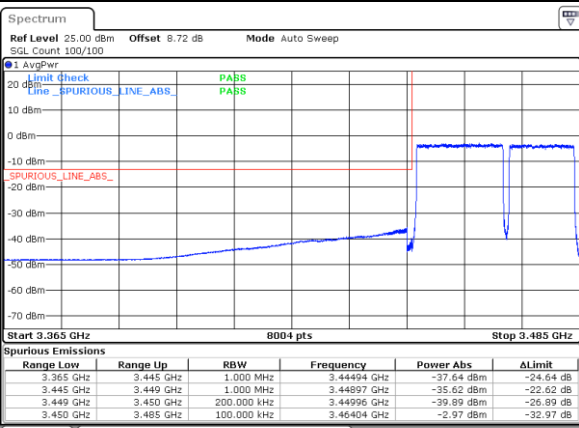


Date: 17 JUN 2024 18:56:25

Date: 17 JUN 2024 19:08:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 18:59:36

Date: 17 JUN 2024 19:12:10

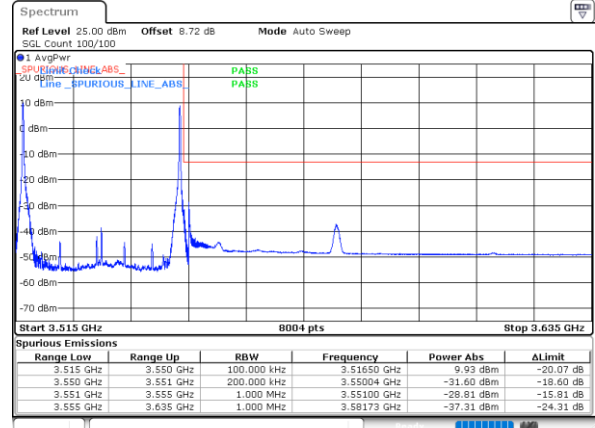
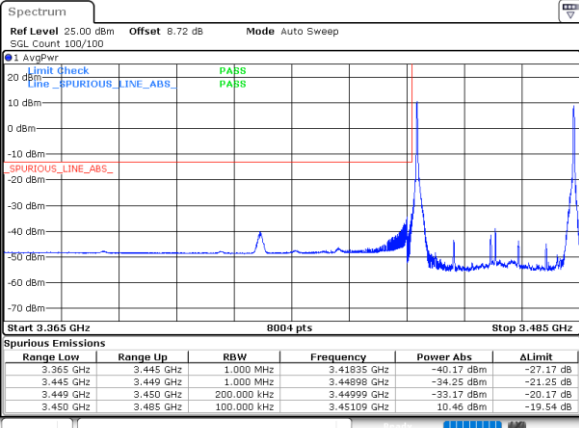


LTE Band 42C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

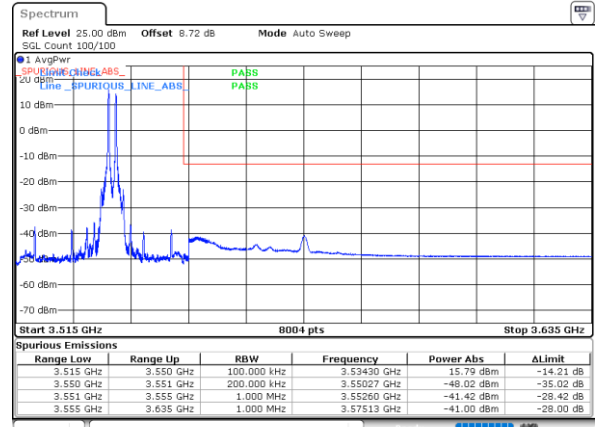
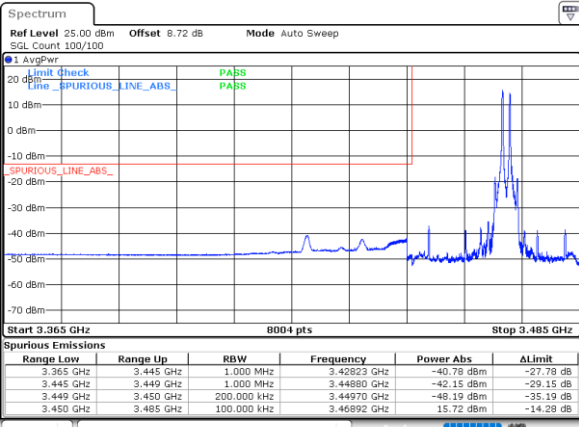


Date: 17 JUN 2024 19:03:53

Date: 17 JUN 2024 19:16:23

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

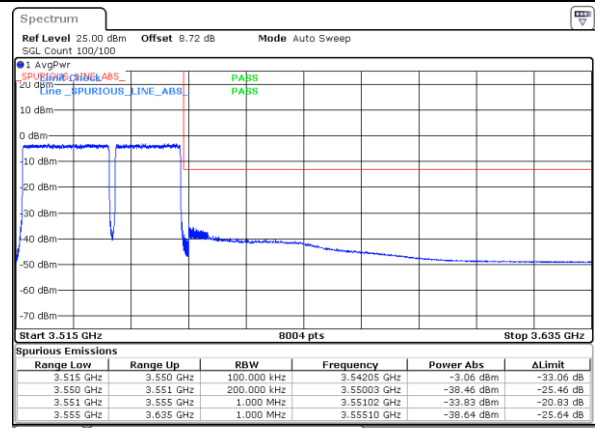
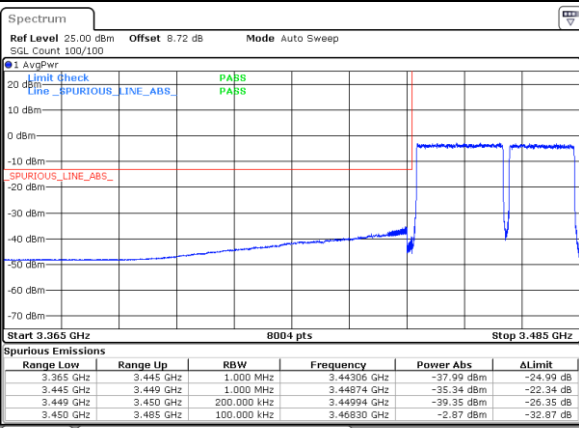


Date: 17 JUN 2024 18:57:30

Date: 17 JUN 2024 19:10:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 19:00:41

Date: 17 JUN 2024 19:13:14

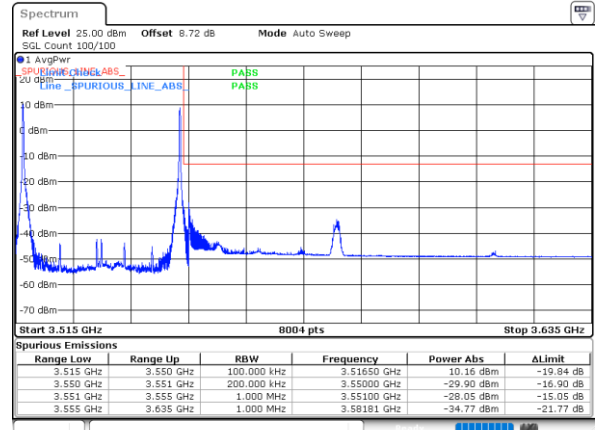
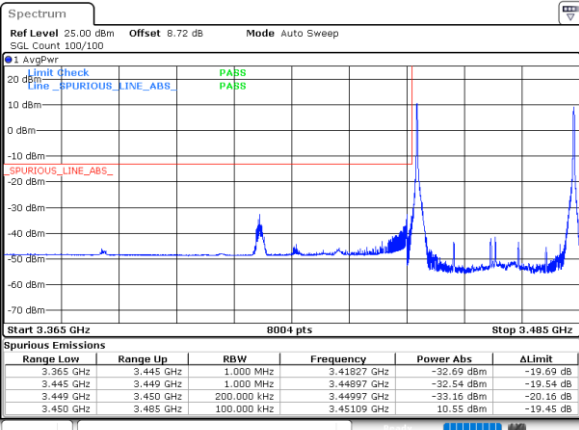


LTE Band 42C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

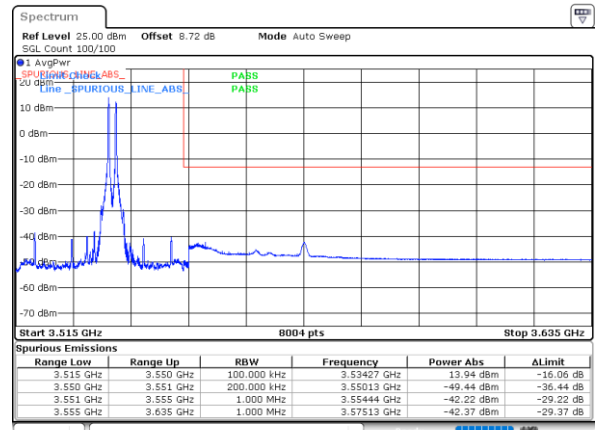
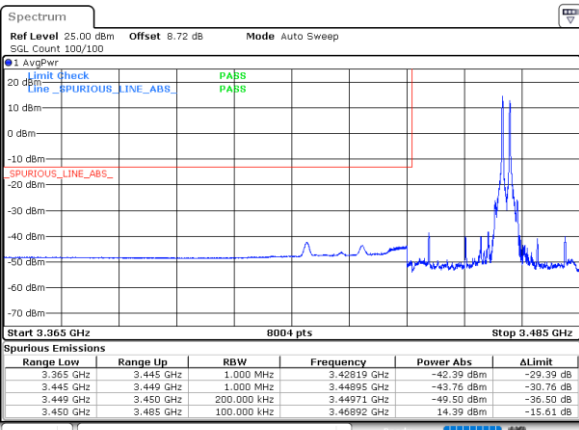


Date: 17 JUN 2024 23:06:18

Date: 17 JUN 2024 23:09:32

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

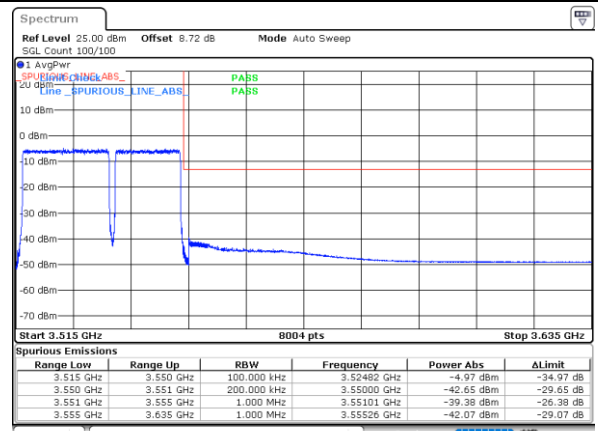
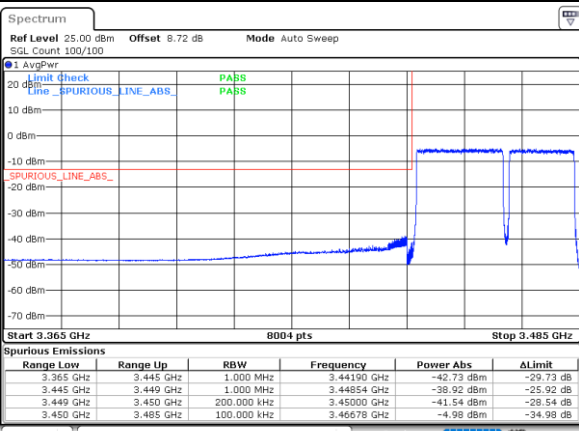


Date: 17 JUN 2024 23:05:15

Date: 17 JUN 2024 23:10:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 23:07:22

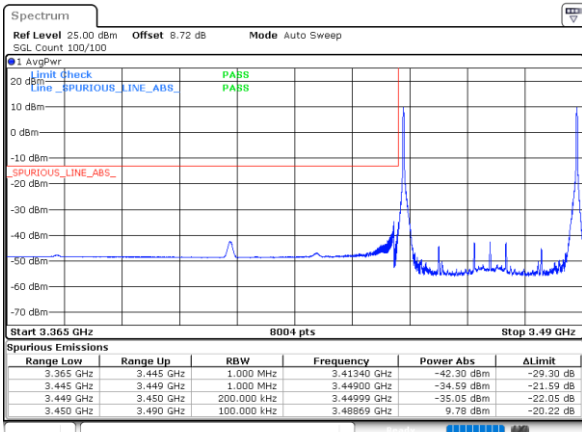
Date: 17 JUN 2024 23:08:29



LTE Band 42C / 20MHz+20MHz

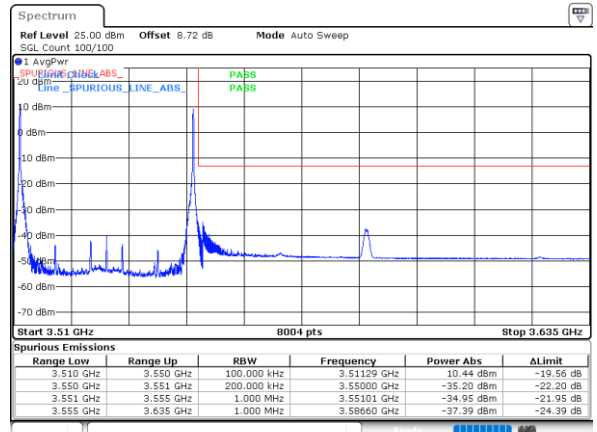
QPSK

Lowest Band Edge / 1RB0 and 1RB99



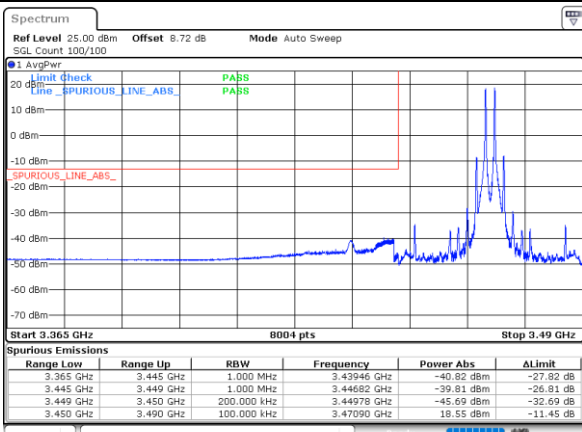
Date: 17, JUN, 2024 23:27:49

Highest Band Edge / 1RB0 and 1RB99



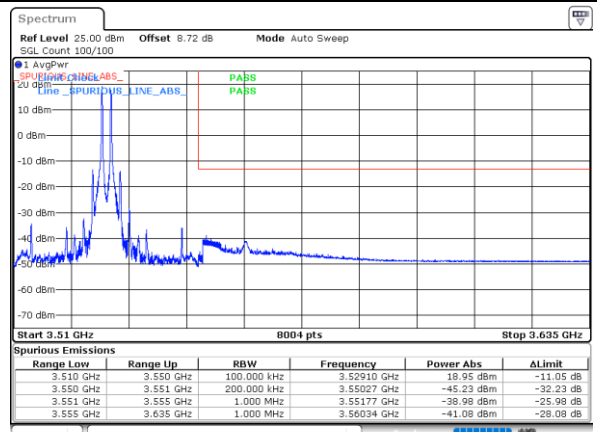
Date: 17, JUN, 2024 17:52:20

Lowest Band Edge / 1RB99 and 1RB0



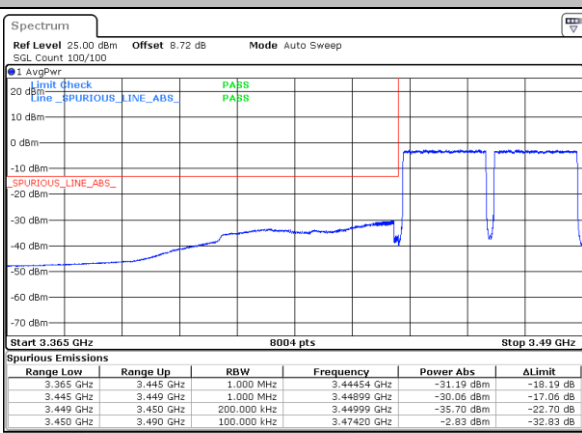
Date: 17, JUN, 2024 23:33:09

Highest Band Edge / 1RB99 and 1RB0



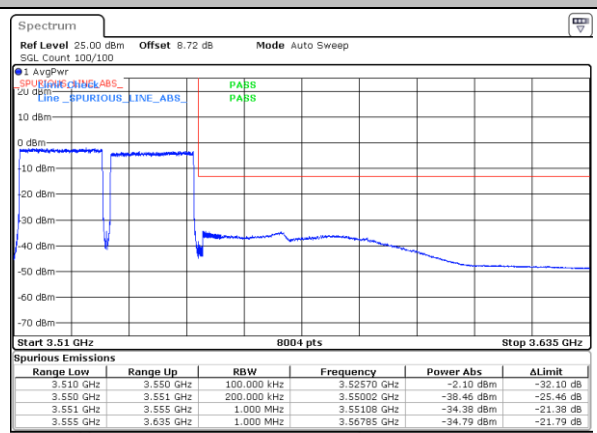
Date: 17, JUN, 2024 17:45:59

Lowest Band Edge / Full RB



Date: 17, JUN, 2024 23:22:29

Highest Band Edge / Full RB



Date: 17, JUN, 2024 17:49:09

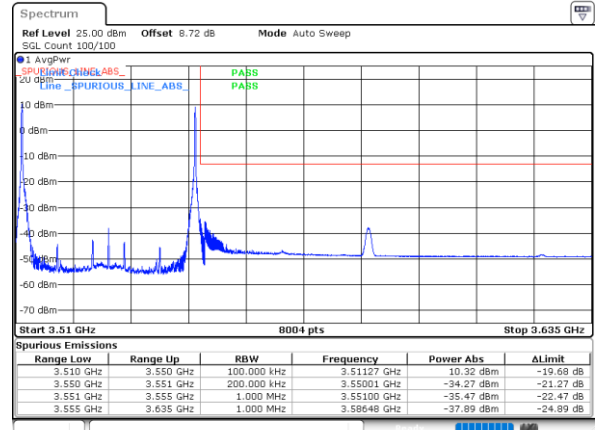
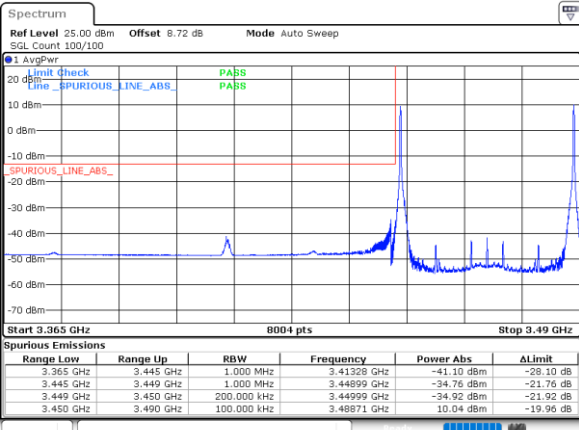


LTE Band 42C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

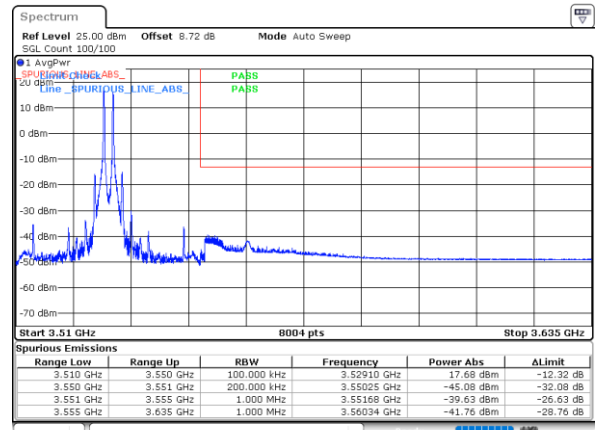
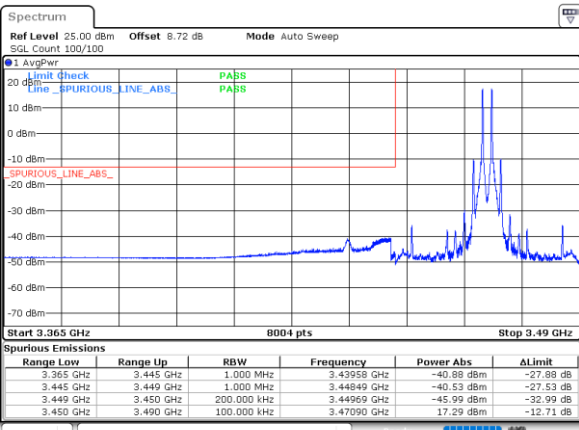


Date: 17 JUN 2024 23:29:09

Date: 17 JUN 2024 17:53:23

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

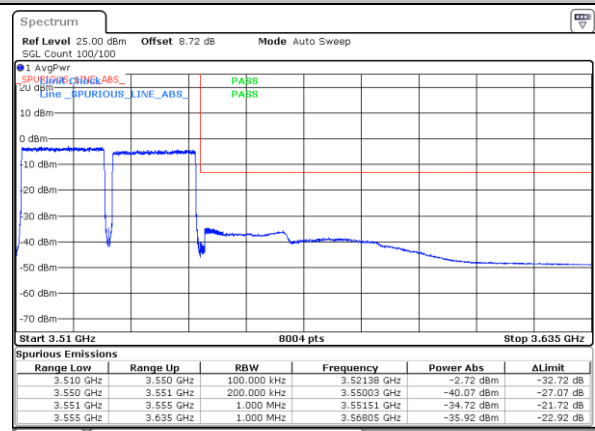
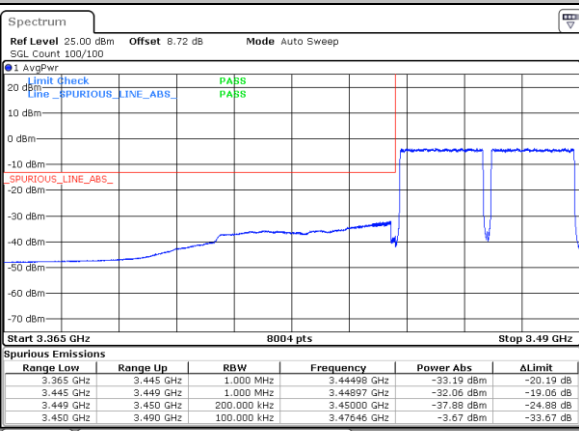


Date: 17 JUN 2024 23:34:29

Date: 17 JUN 2024 17:47:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 23:23:49

Date: 17 JUN 2024 17:50:13

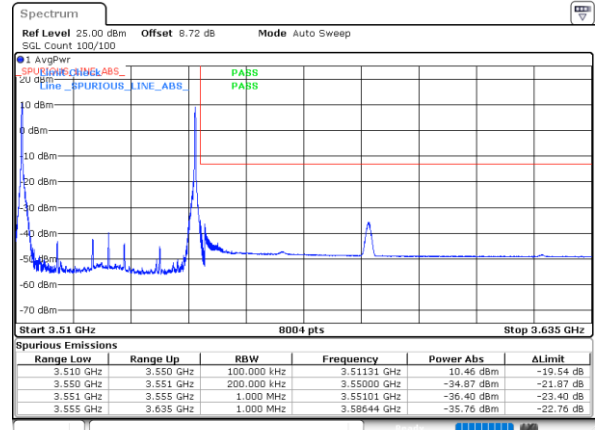
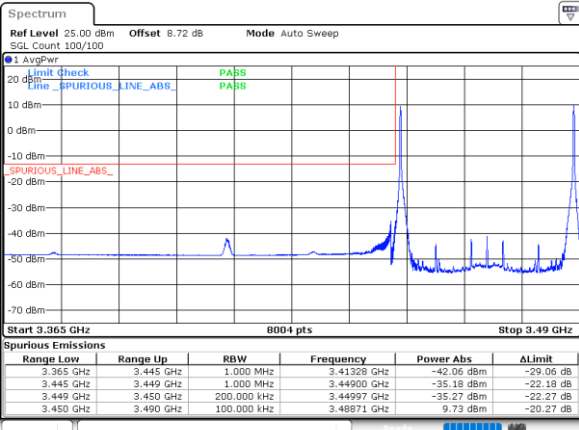


LTE Band 42C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

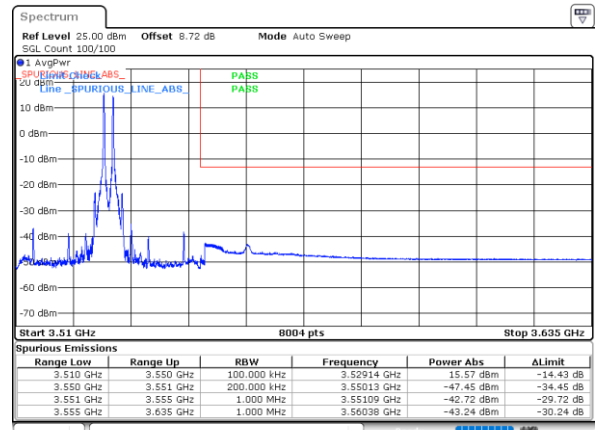
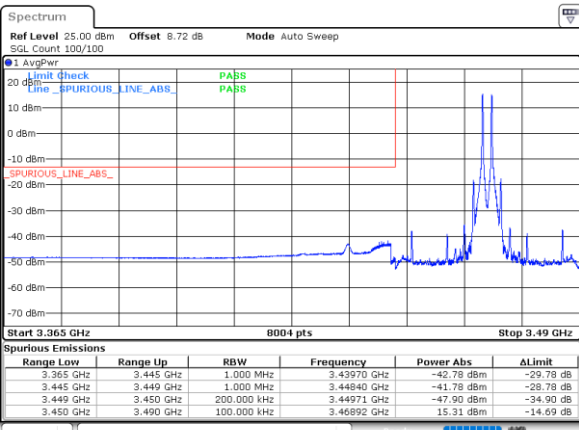


Date: 17 JUN 2024 23:30:29

Date: 17 JUN 2024 17:54:27

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

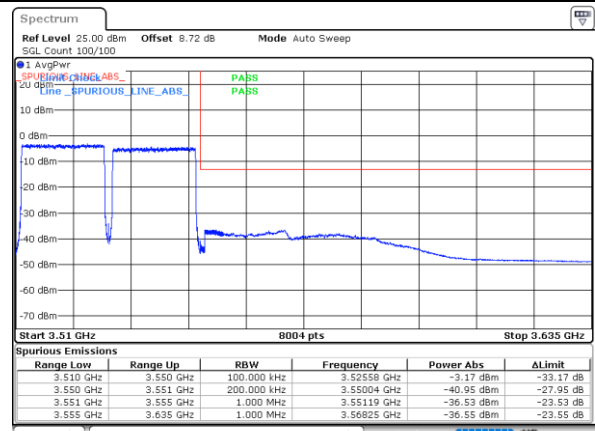
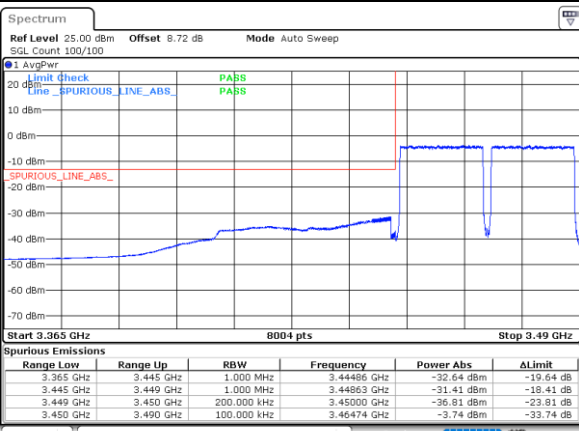


Date: 17 JUN 2024 23:35:49

Date: 17 JUN 2024 17:48:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17 JUN 2024 23:25:10

Date: 17 JUN 2024 17:51:17

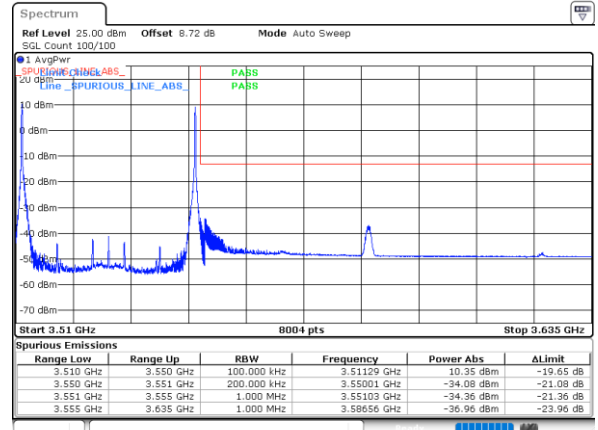
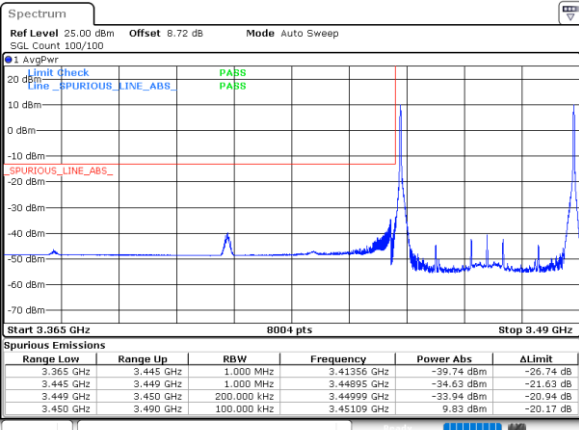


LTE Band 42C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

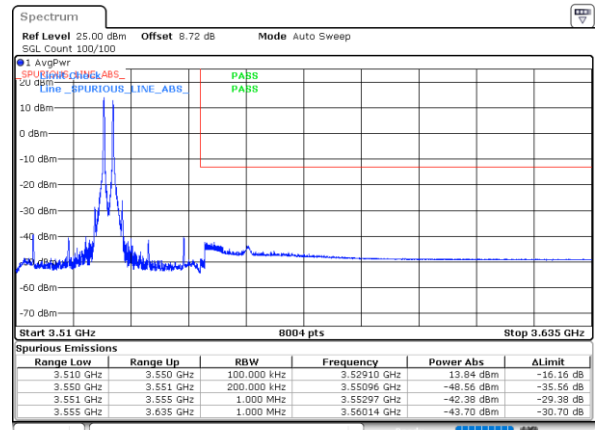
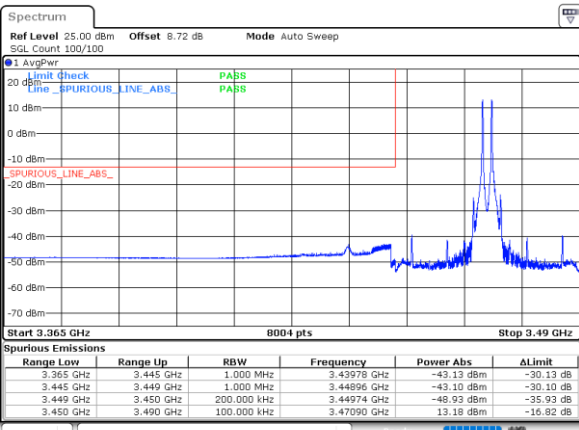


Date: 17 JUN 2024 23:31:50

Date: 17 JUN 2024 23:16:28

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

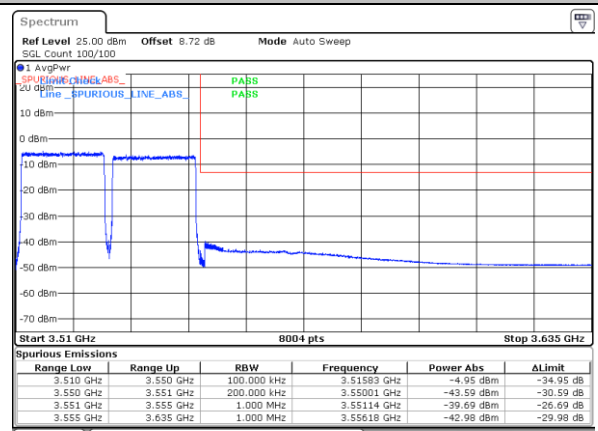
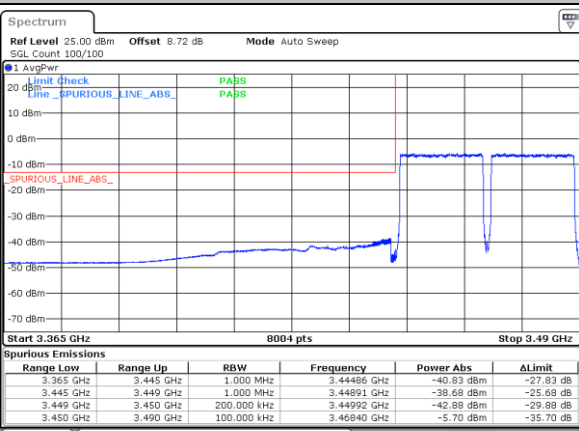


Date: 17 JUN 2024 23:37:09

Date: 17 JUN 2024 23:15:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

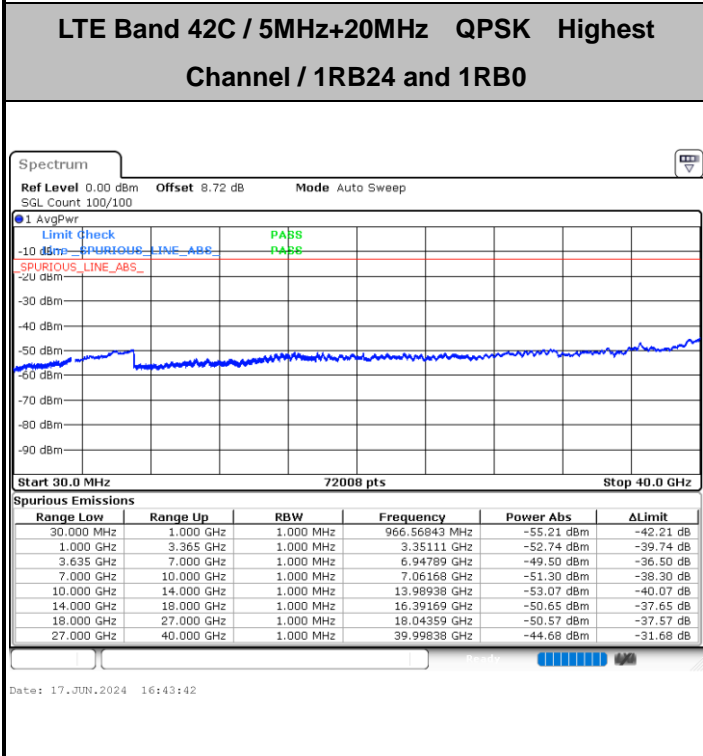
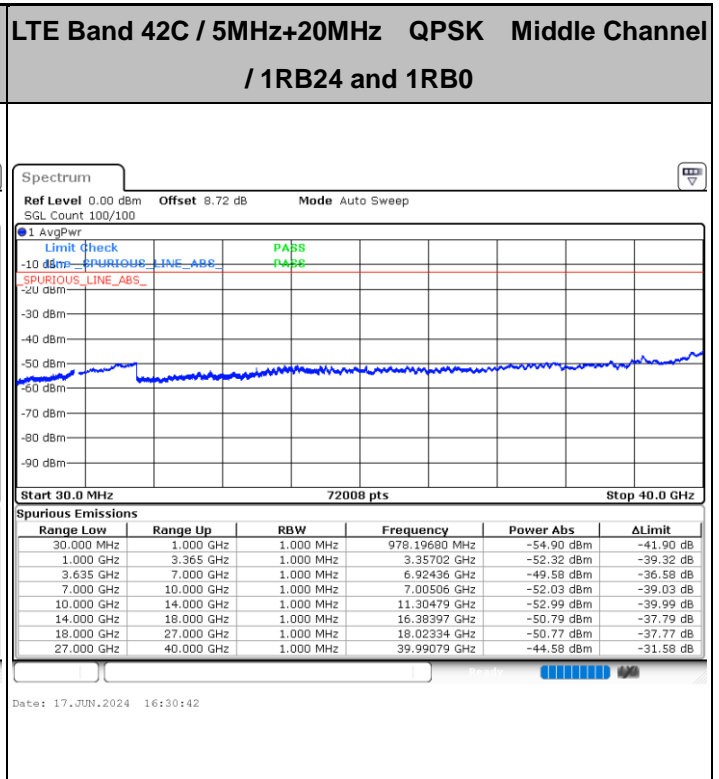
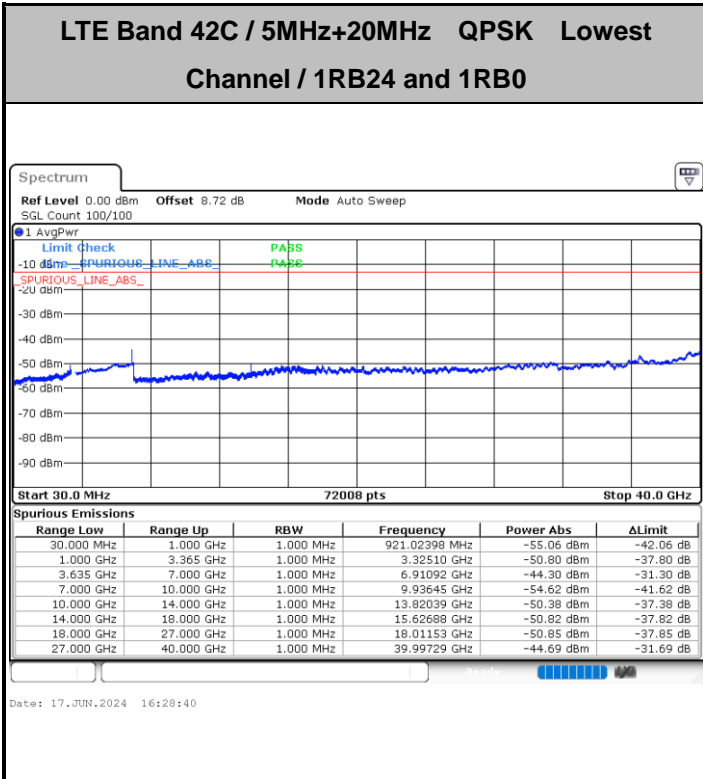


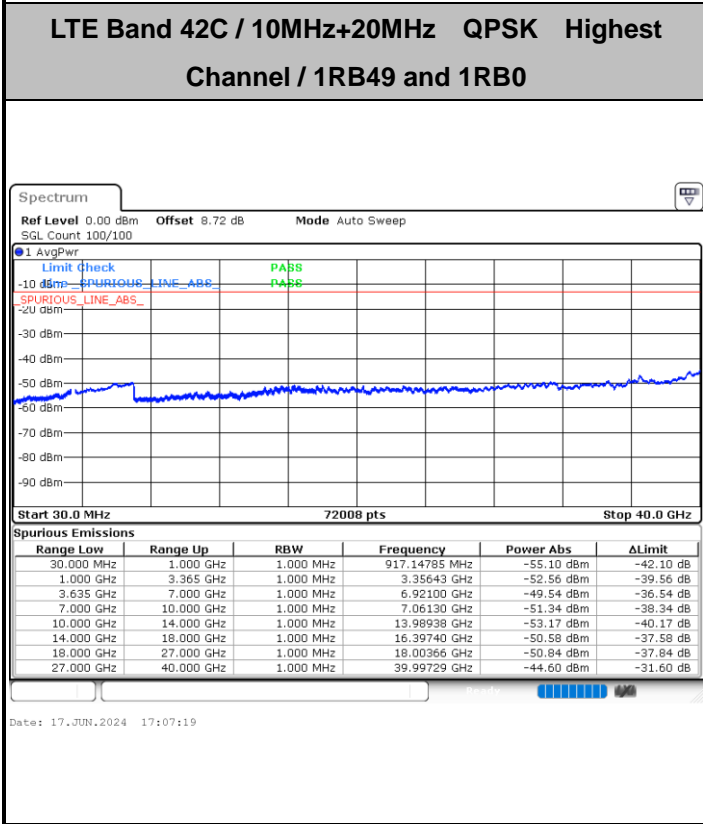
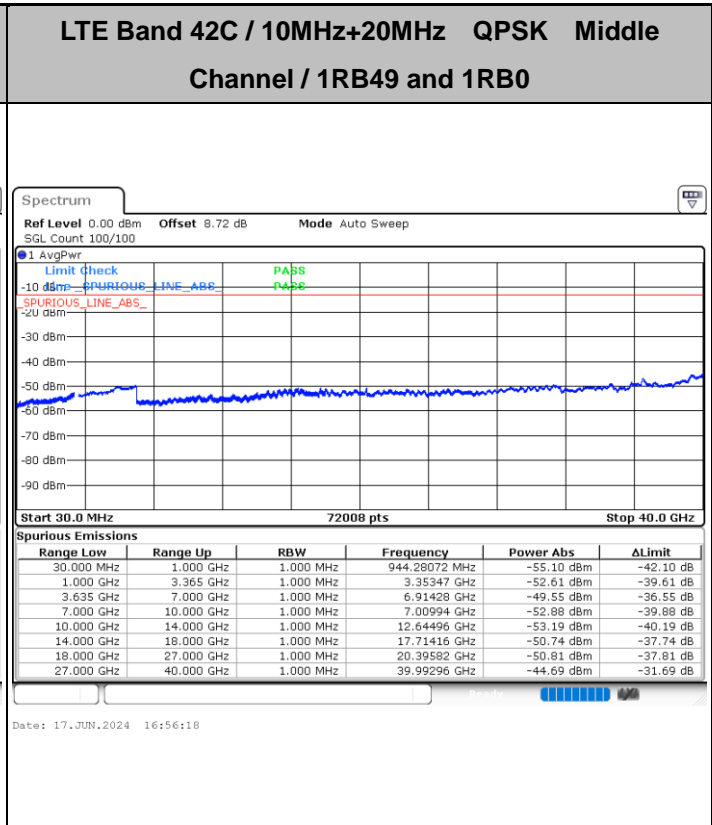
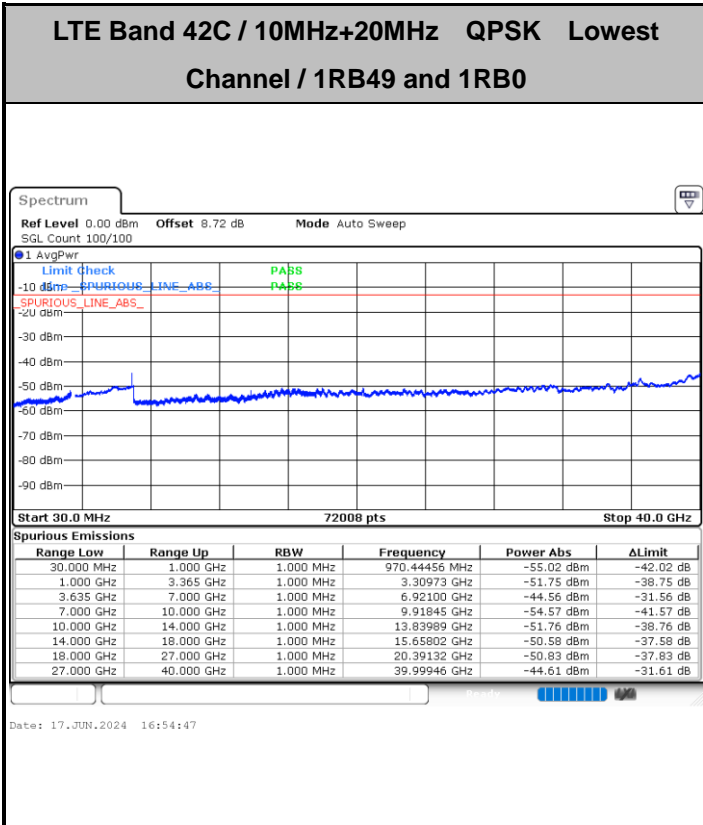
Date: 17 JUN 2024 23:26:29

Date: 17 JUN 2024 23:17:32



# Conducted Spurious Emission

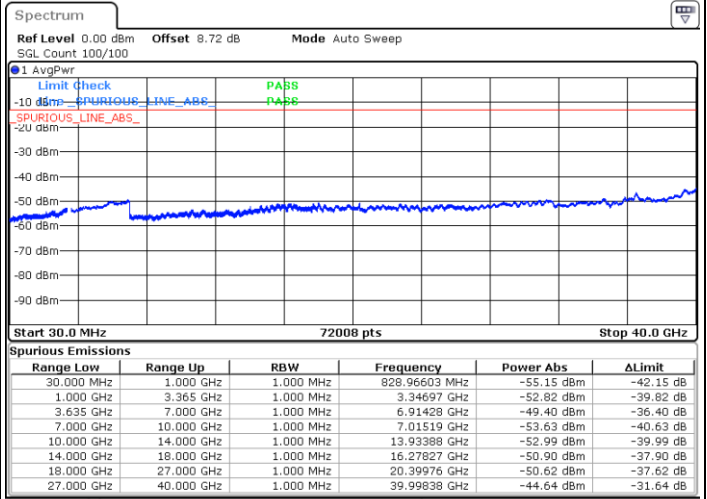
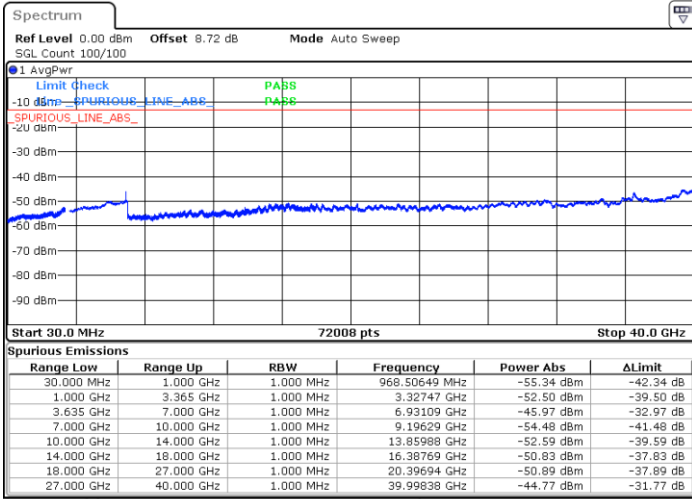






LTE Band 42C / 15MHz+20MHz QPSK Lowest Channel / 1RB74 and 1RB0

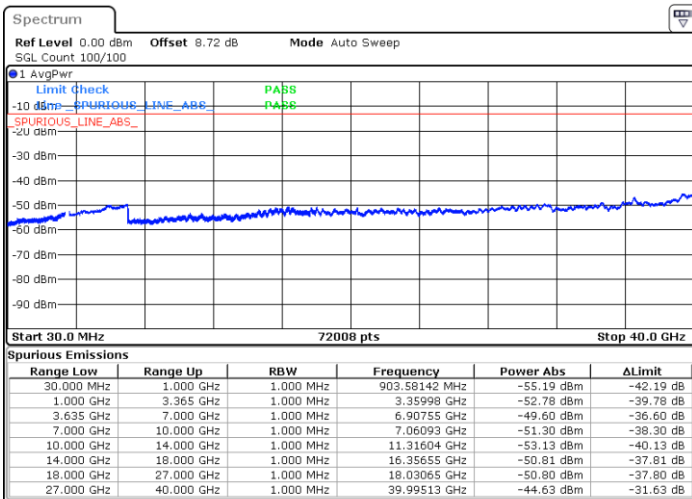
LTE Band 42C / 15MHz+20MHz QPSK Middle Channel / 1RB74 and 1RB0



Date: 17.JUN.2024 17:18:22

Date: 17.JUN.2024 17:19:52

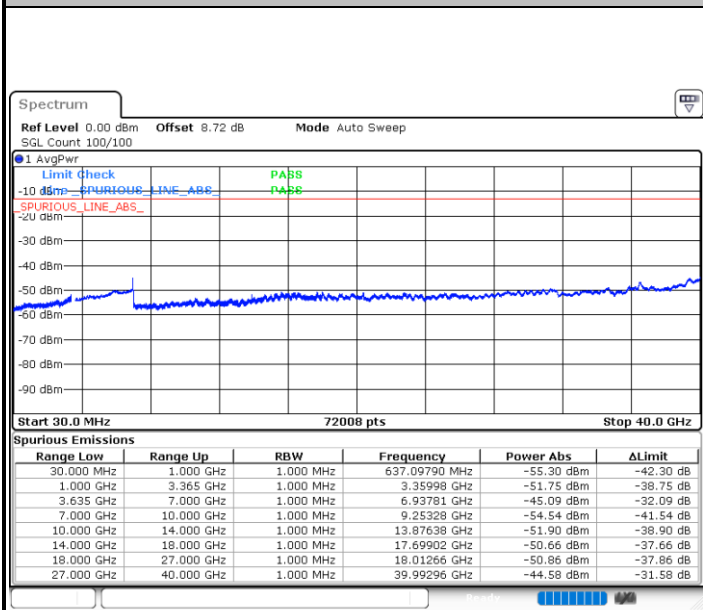
LTE Band 42C / 15MHz+20MHz QPSK Highest Channel / 1RB74 and 1RB0



Date: 17.JUN.2024 17:30:54

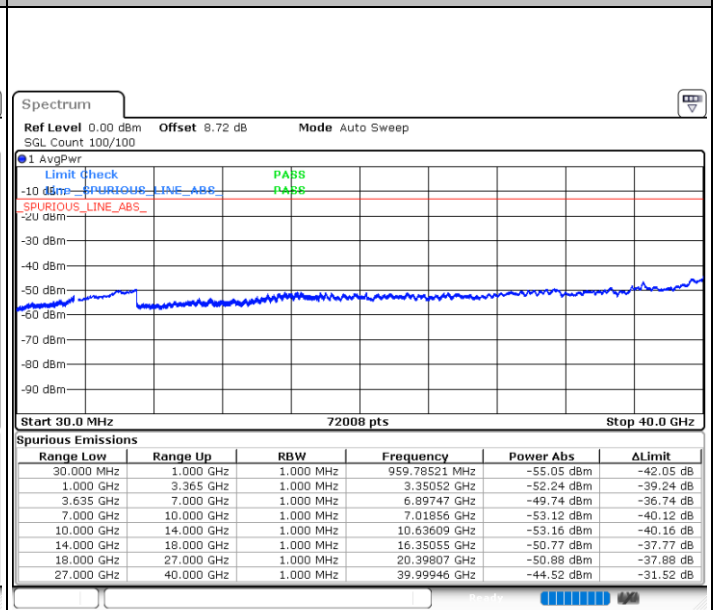


LTE Band 42C / 20MHz+5MHz QPSK Lowest Channel / 1RB99 and 1RB0



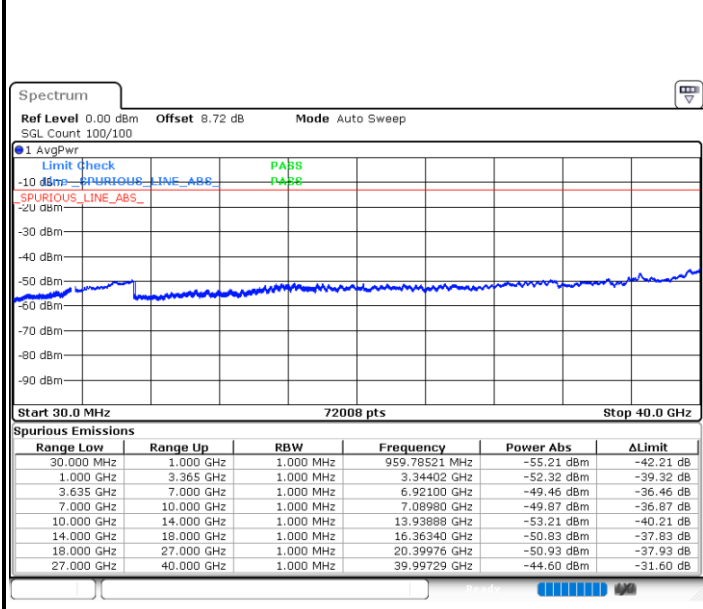
Date: 17.JUN.2024 18:06:59

LTE Band 42C / 20MHz+5MHz QPSK Middle Channel / 1RB99 and 1RB0

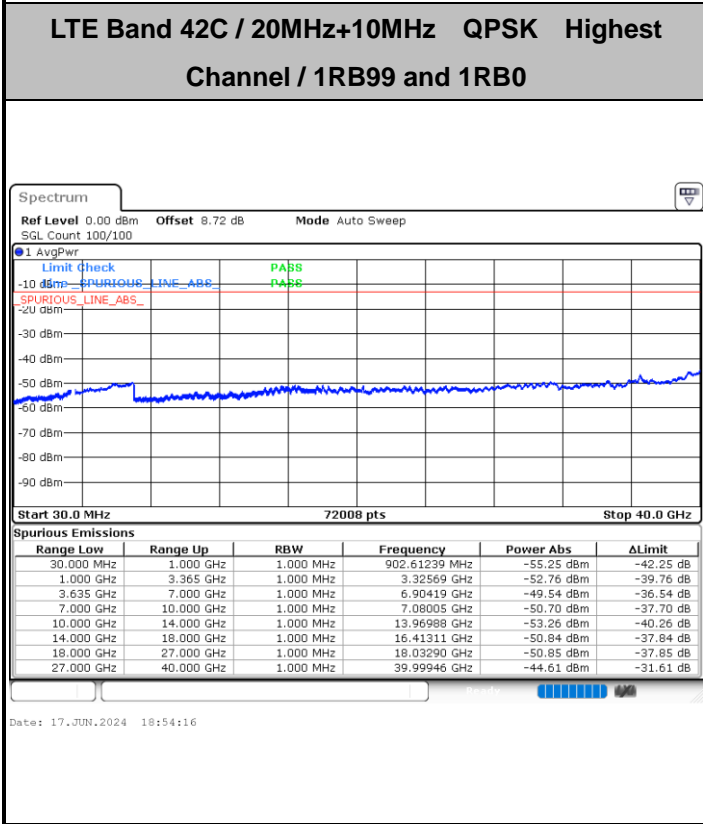
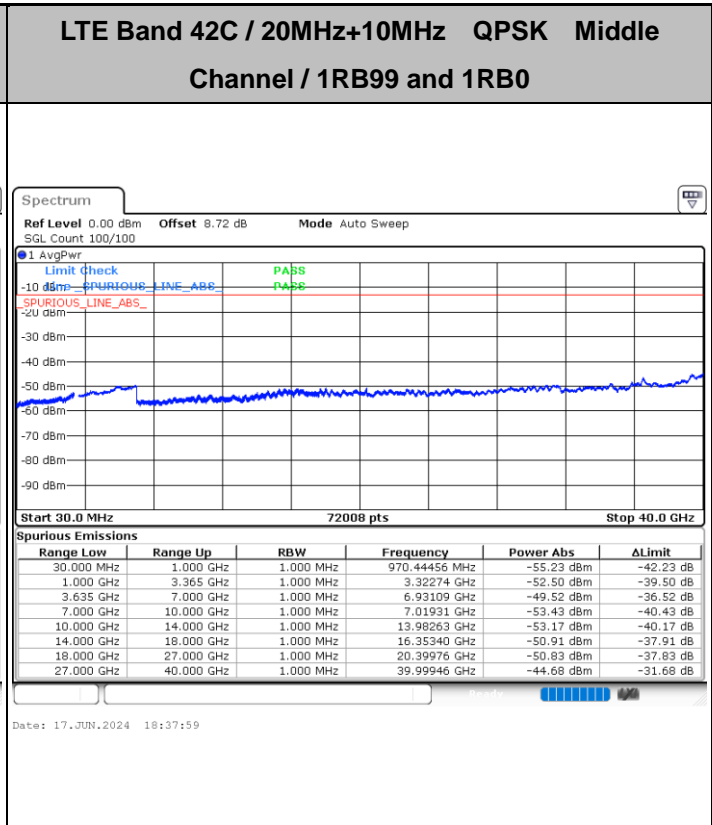
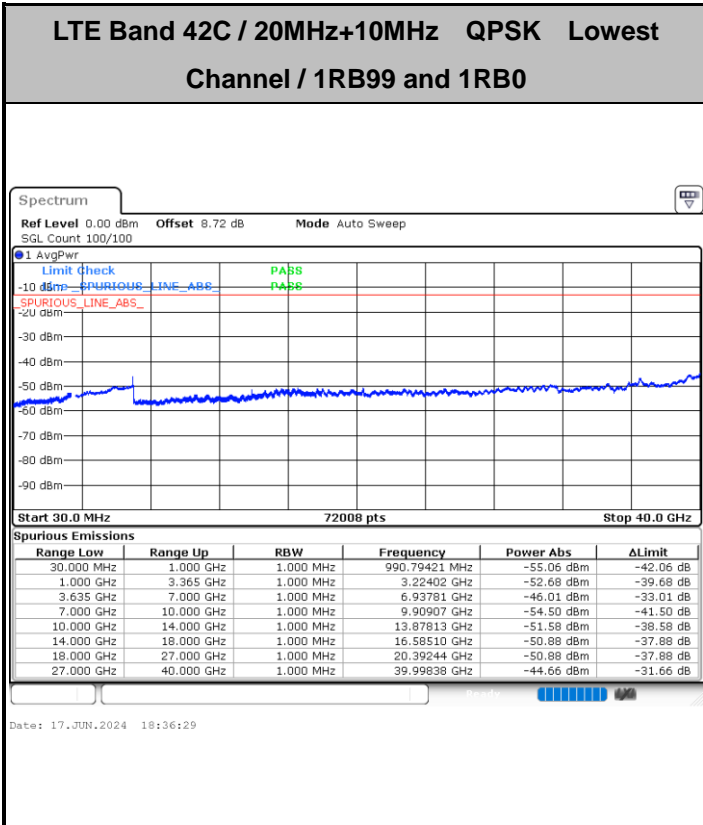


Date: 17.JUN.2024 18:08:30

LTE Band 42C / 20MHz+5MHz QPSK Highest Channel / 1RB99 and 1RB0



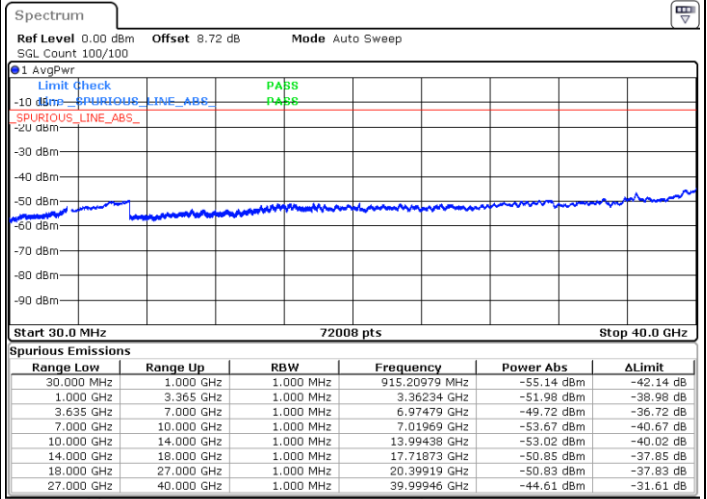
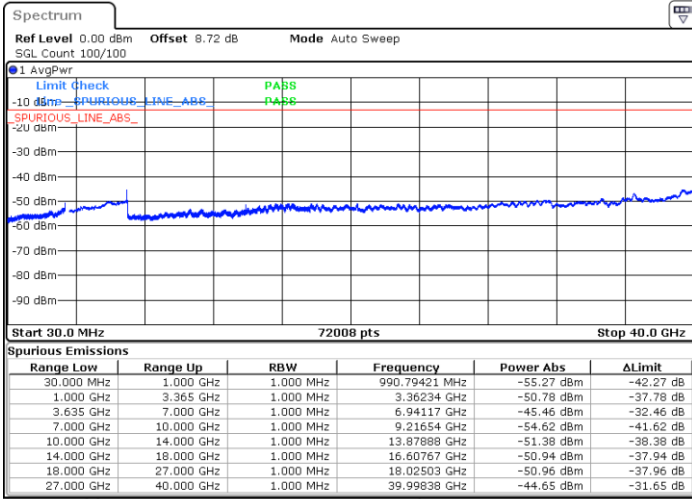
Date: 17.JUN.2024 18:25:26





LTE Band 42C / 20MHz+15MHz QPSK Lowest Channel / 1RB99 and 1RB0

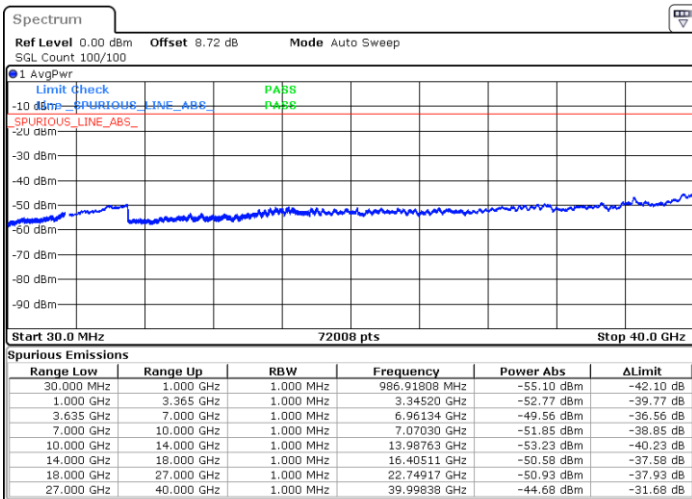
LTE Band 42C / 20MHz+15MHz QPSK Middle Channel / 1RB99 and 1RB0



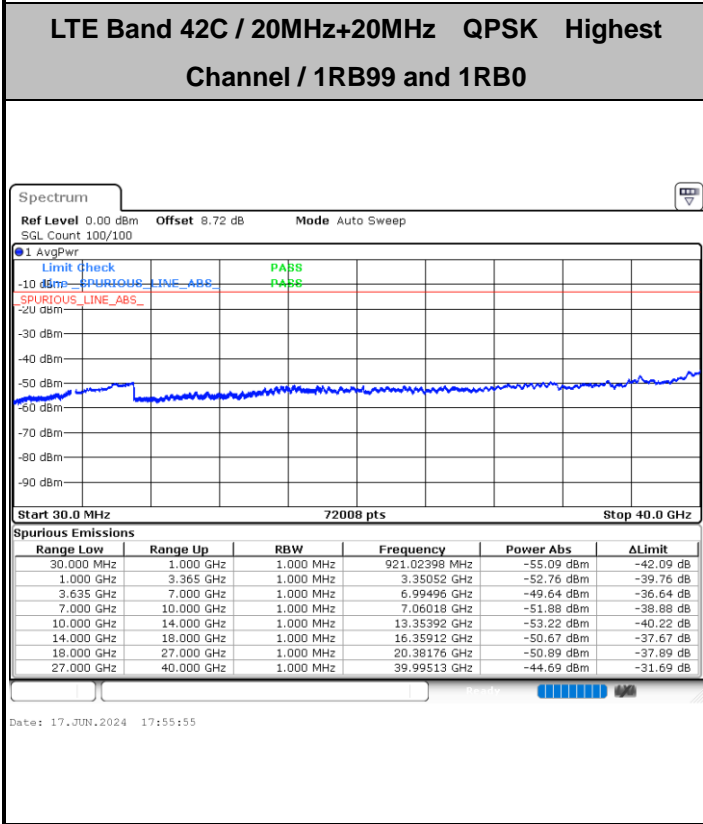
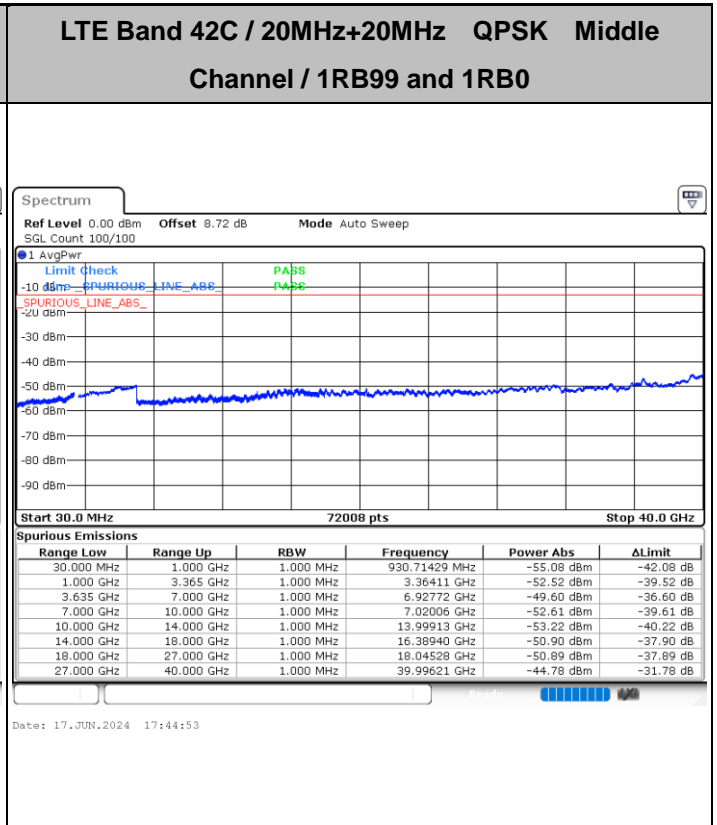
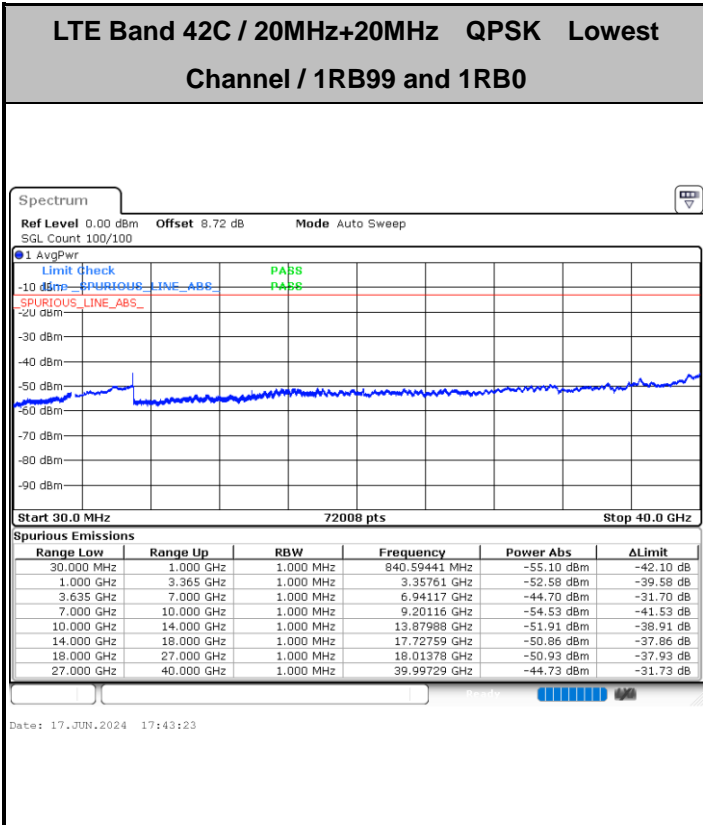
Date: 17.JUN.2024 19:05:20

Date: 17.JUN.2024 19:06:51

LTE Band 42C / 20MHz+15MHz QPSK Highest Channel / 1RB99 and 1RB0



Date: 17.JUN.2024 19:17:51



## Frequency Stability

Test Conditions		LTE Band 42C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0037	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0049	
20	Battery End Point	0.0015	

**Note:**

1. Normal Voltage =3.92 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 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 :	Wenbo Xiao	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 42 / 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	-53.70	-13	-40.70	-76.60	-57.00	8.30	11.60	H
	10473.00	-50.94	-13	-37.94	-79.62	-52.46	10.48	12.00	H
	13964.00	-48.77	-13	-35.77	-79.12	-50.47	11.80	13.50	H
	6982.00	-41.14	-13	-28.14	-64.25	-44.44	8.30	11.60	V
	10473.00	-52.19	-13	-39.19	-80.07	-53.71	10.48	12.00	V
	13964.00	-47.79	-13	-34.79	-78.82	-49.49	11.80	13.50	V

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

LTE Band 42C / 20MHz+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	6998.00	-45.91	-13	-32.91	-37.67	-49.21	8.30	11.60	H
	10497.00	-45.77	-13	-32.77	-44.02	-47.29	10.48	12.00	H
	13996.00	-46.46	-13	-33.46	-46.92	-48.16	11.80	13.50	H
	6998.00	-46.20	-13	-33.20	-38.14	-49.50	8.30	11.60	V
	10497.00	-44.24	-13	-31.24	-41.73	-45.76	10.48	12.00	V
	13996.00	-46.78	-13	-33.78	-48.04	-48.48	11.80	13.50	V

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