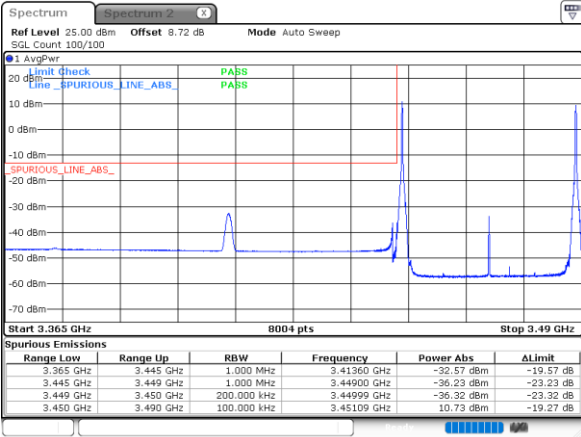




LTE Band 42C / 20MHz+20MHz

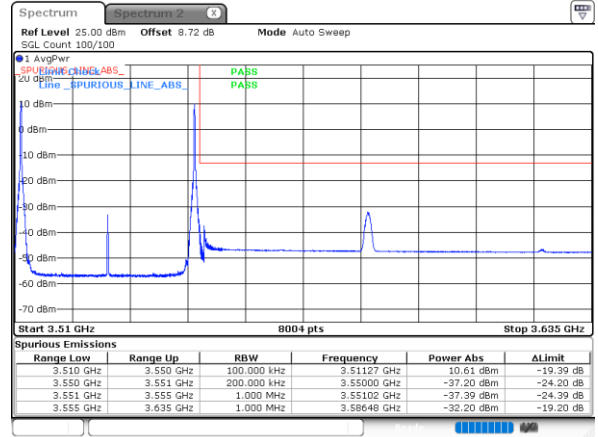
64QAM

Lowest Band Edge / 1RB0 and 1RB9



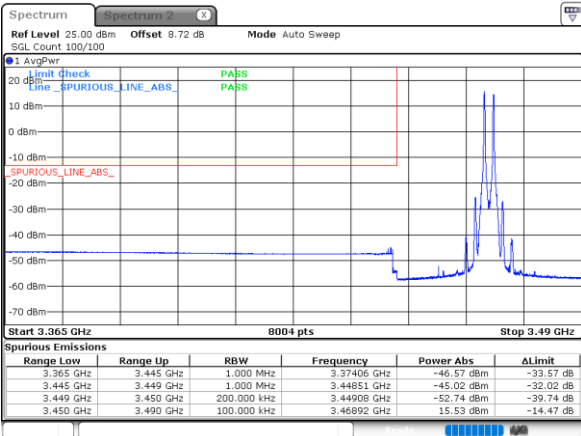
Date: 26\_JUL\_2024 15:41:08

Highest Band Edge / 1RB0 and 1RB9



Date: 26\_JUL\_2024 16:04:24

Lowest Band Edge / 1RB99 and 1RB0



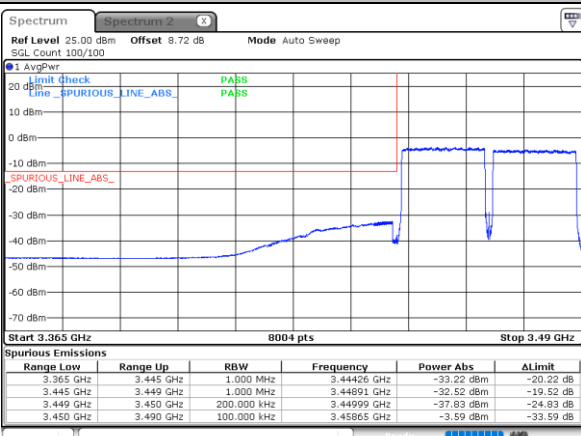
Date: 26\_JUL\_2024 15:31:39

Highest Band Edge / 1RB99 and 1RB0



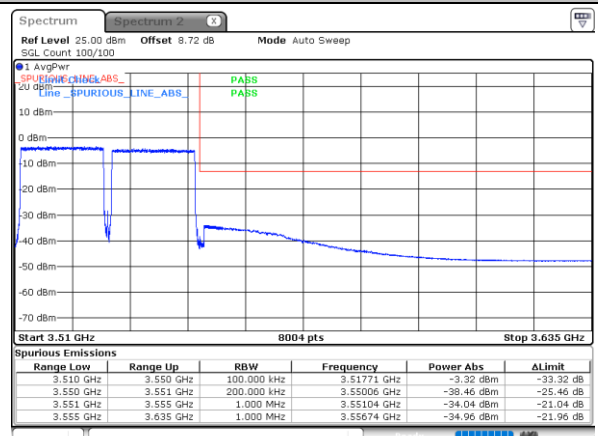
Date: 26\_JUL\_2024 15:55:27

Lowest Band Edge / Full RB



Date: 26\_JUL\_2024 15:36:24

Highest Band Edge / Full RB



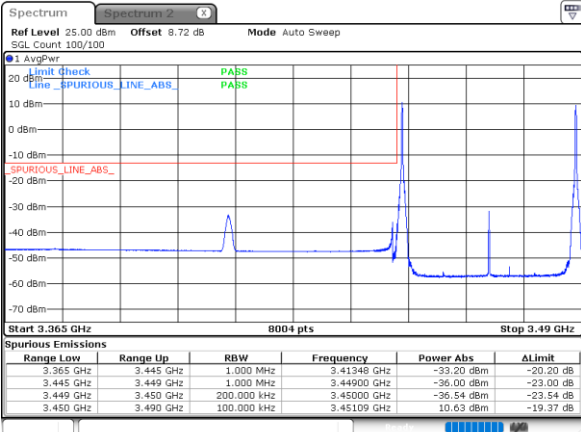
Date: 26\_JUL\_2024 15:59:55



LTE Band 42C / 20MHz+20MHz

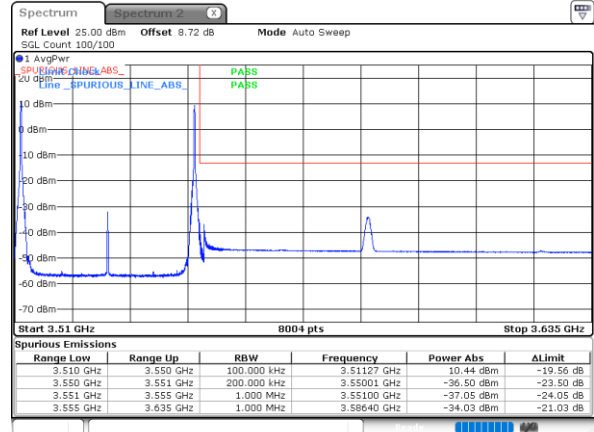
256QAM

Lowest Band Edge / 1RB0 and 1RB9



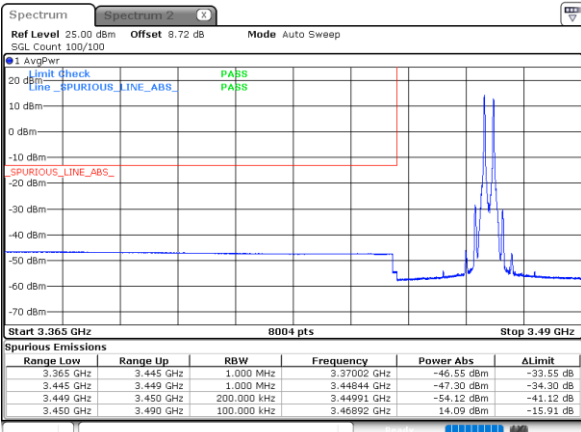
Date: 26\_JUL\_2024 15:42:19

Highest Band Edge / 1RB0 and 1RB9



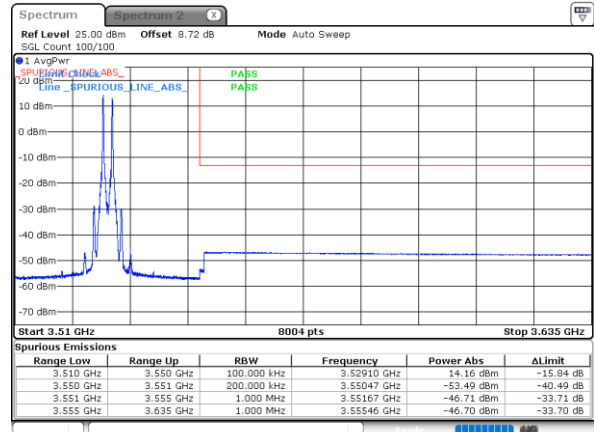
Date: 26\_JUL\_2024 16:05:31

Lowest Band Edge / 1RB99 and 1RB0



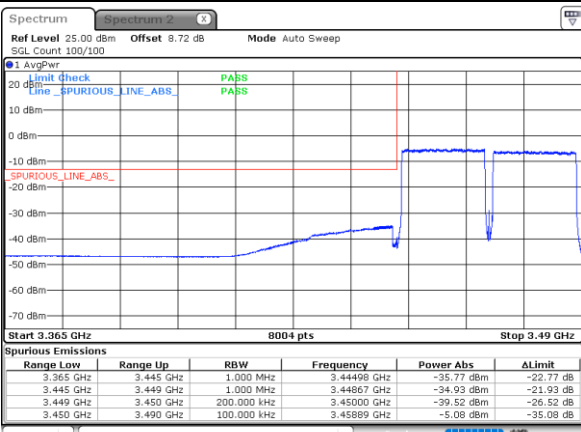
Date: 26\_JUL\_2024 15:32:50

Highest Band Edge / 1RB99 and 1RB0



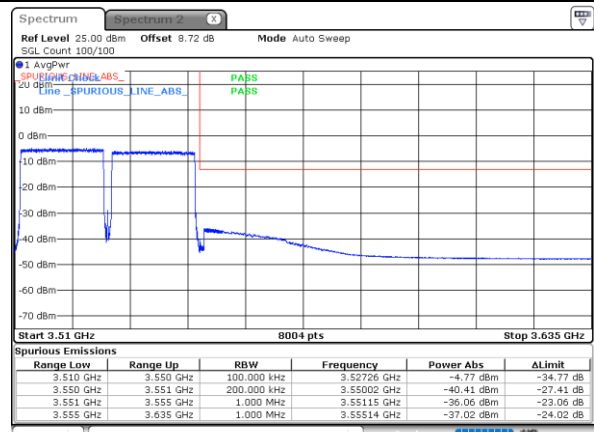
Date: 26\_JUL\_2024 15:56:34

Lowest Band Edge / Full RB



Date: 26\_JUL\_2024 15:37:35

Highest Band Edge / Full RB



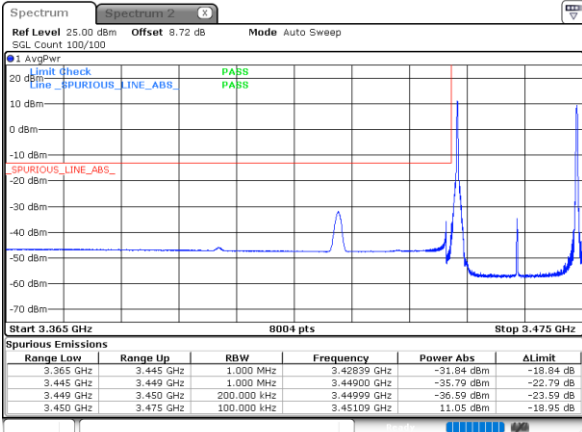
Date: 26\_JUL\_2024 16:01:02



LTE Band 42C / 20MHz+5MHz

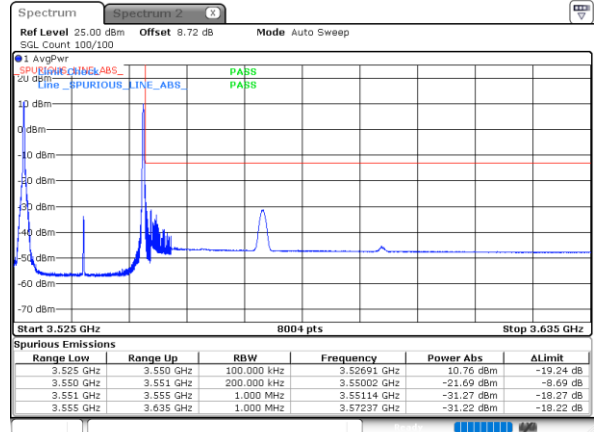
QPSK

Lowest Band Edge / 1RB0 and 1RB24



Date: 26.JUL.2024 16:17:47

Highest Band Edge / 1RB0 and 1RB24



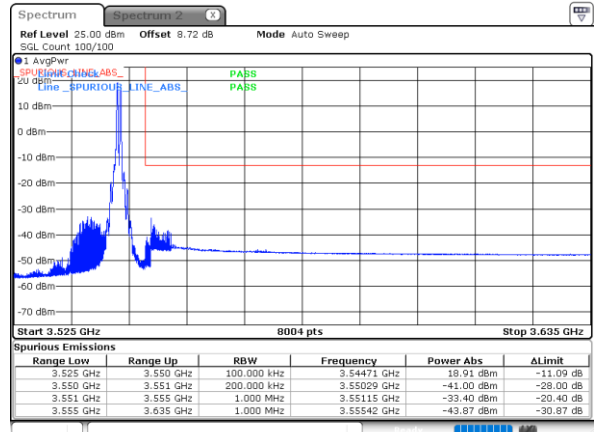
Date: 26.JUL.2024 16:35:36

Lowest Band Edge / 1RB99 and 1RB0



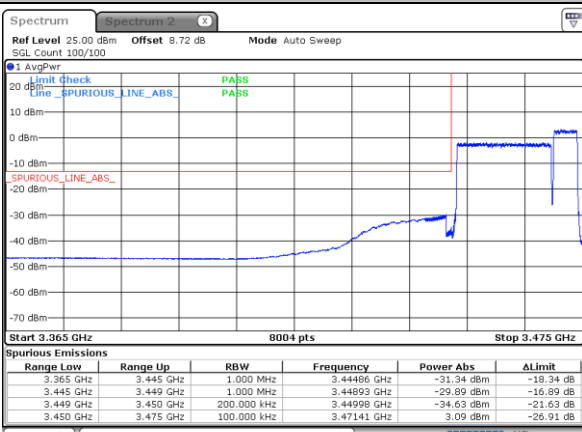
Date: 26.JUL.2024 16:08:51

Highest Band Edge / 1RB99 and 1RB0



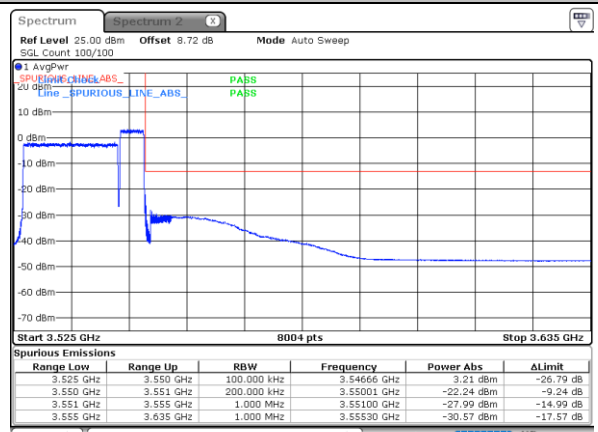
Date: 26.JUL.2024 16:26:40

Lowest Band Edge / Full RB



Date: 26.JUL.2024 16:13:19

Highest Band Edge / Full RB



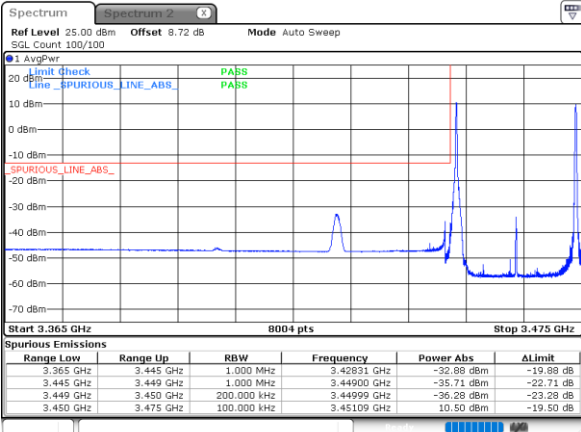
Date: 26.JUL.2024 16:31:08



LTE Band 42C / 20MHz+5MHz

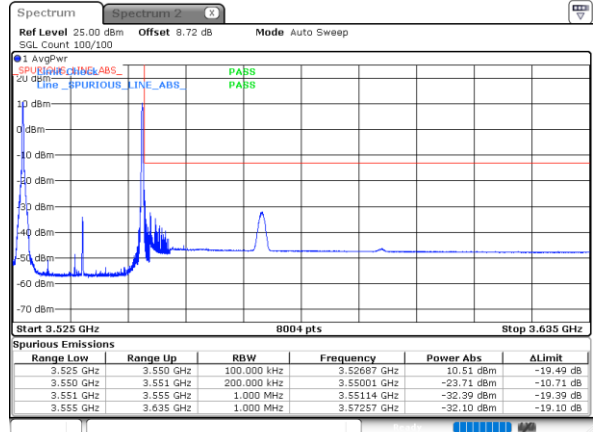
16QAM

Lowest Band Edge / 1RB0 and 1RB24



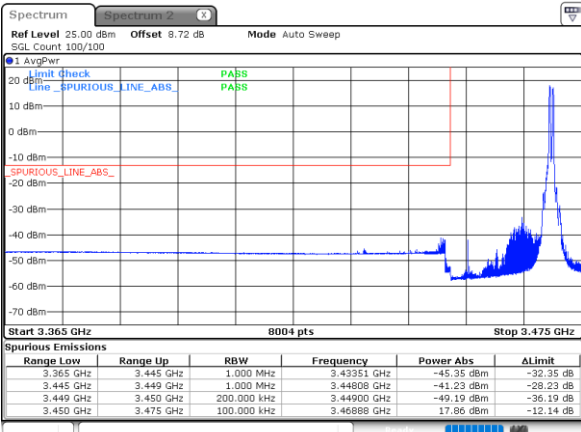
Date: 26\_JUL\_2024 16:18:53

Highest Band Edge / 1RB0 and 1RB24



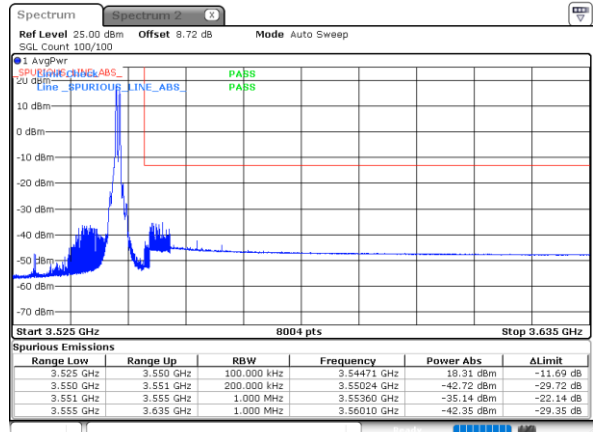
Date: 26\_JUL\_2024 16:16:43

Lowest Band Edge / 1RB99 and 1RB0



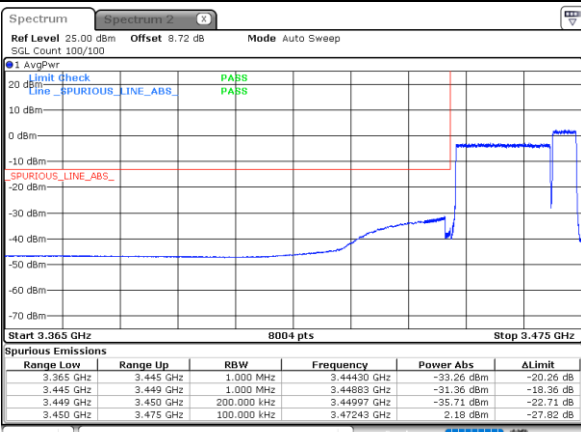
Date: 26\_JUL\_2024 16:09:58

Highest Band Edge / 1RB99 and 1RB0



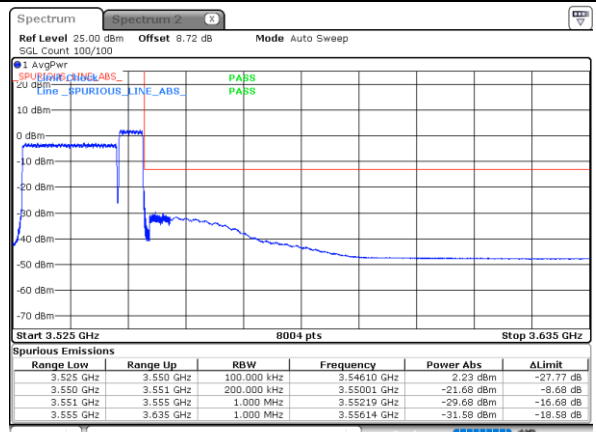
Date: 26\_JUL\_2024 16:27:47

Lowest Band Edge / Full RB



Date: 26\_JUL\_2024 16:14:25

Highest Band Edge / Full RB



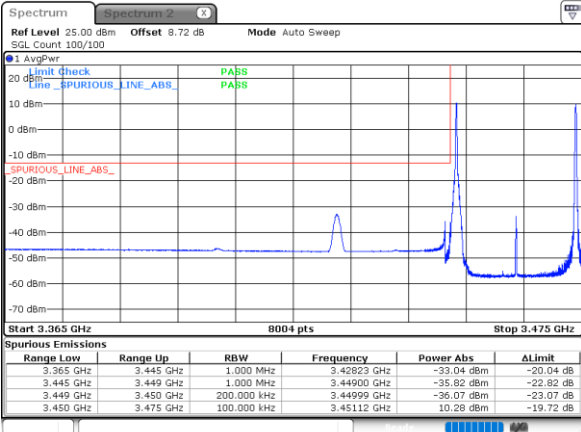
Date: 26\_JUL\_2024 16:32:15



LTE Band 42C / 20MHz+5MHz

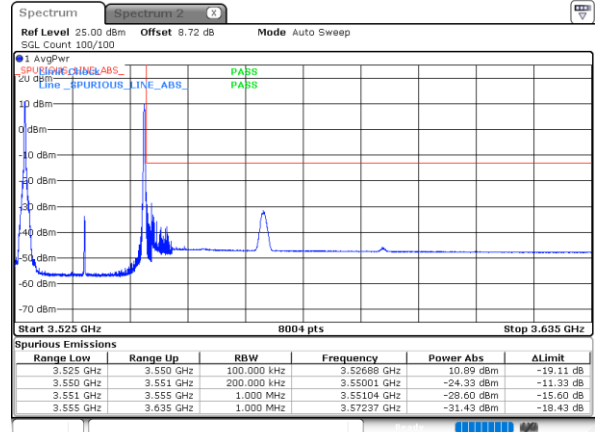
64QAM

Lowest Band Edge / 1RB0 and 1RB24



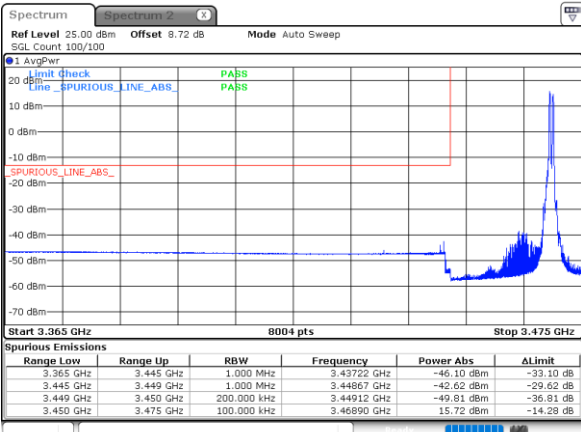
Date: 26\_JUL\_2024 16:20:00

Highest Band Edge / 1RB0 and 1RB24



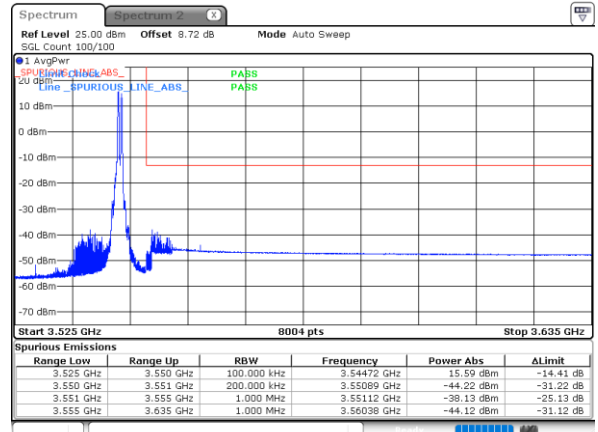
Date: 26\_JUL\_2024 16:37:50

Lowest Band Edge / 1RB99 and 1RB0



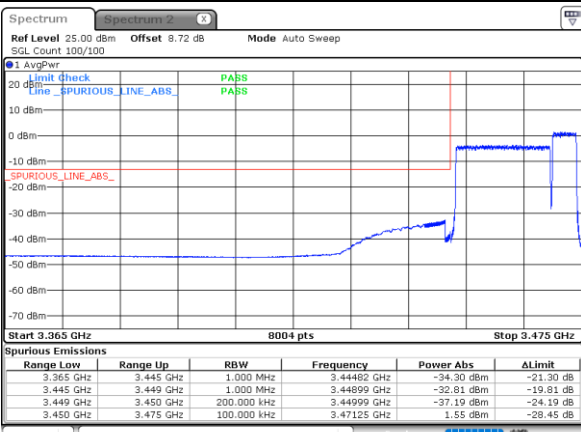
Date: 26\_JUL\_2024 16:11:05

Highest Band Edge / 1RB99 and 1RB0



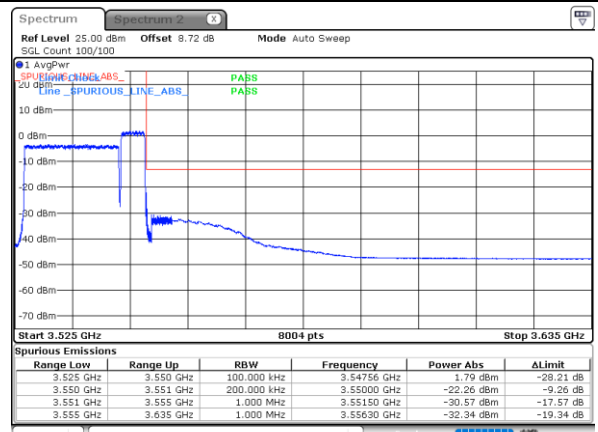
Date: 26\_JUL\_2024 16:28:54

Lowest Band Edge / Full RB



Date: 26\_JUL\_2024 16:15:33

Highest Band Edge / Full RB



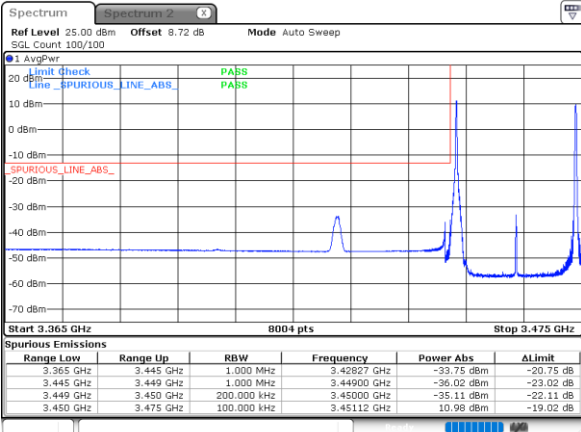
Date: 26\_JUL\_2024 16:33:22



LTE Band 42C / 20MHz+5MHz

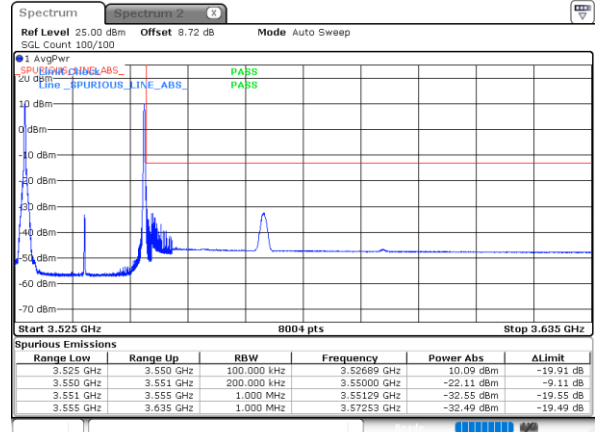
256QAM

Lowest Band Edge / 1RB0 and 1RB24



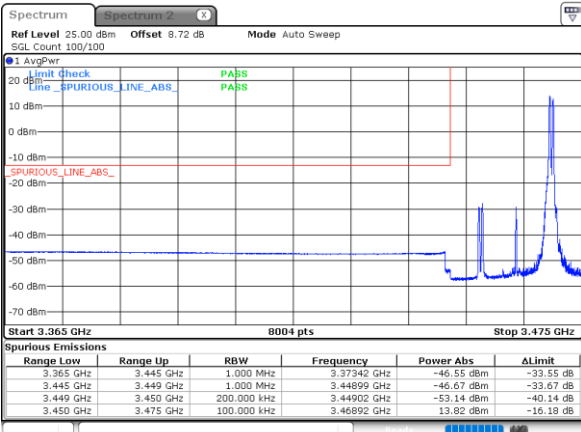
Date: 26\_JUL\_2024 16:21:07

Highest Band Edge / 1RB0 and 1RB24



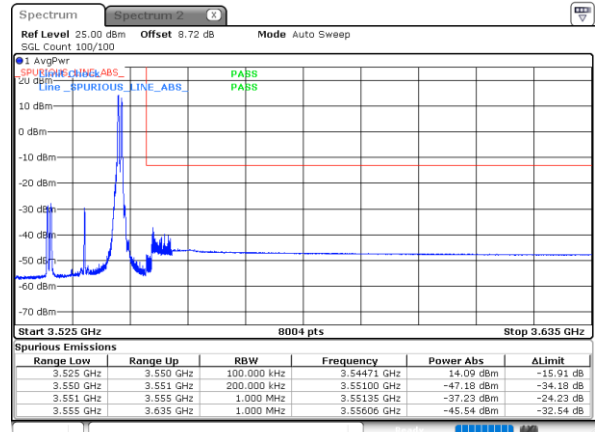
Date: 26\_JUL\_2024 16:38:56

Lowest Band Edge / 1RB99 and 1RB0



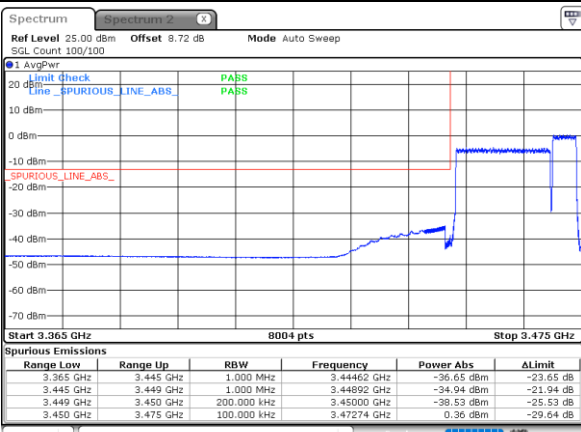
Date: 26\_JUL\_2024 16:12:12

Highest Band Edge / 1RB99 and 1RB0



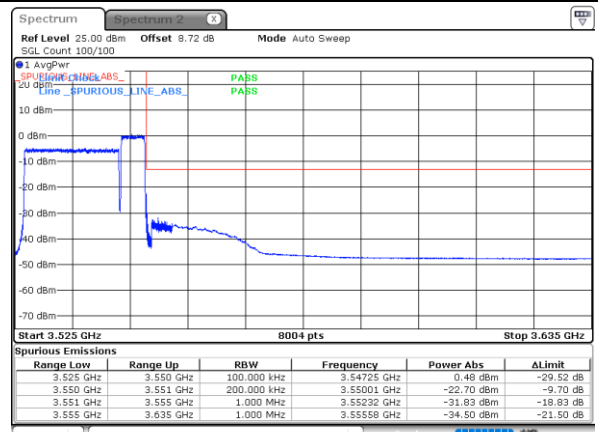
Date: 26\_JUL\_2024 16:30:01

Lowest Band Edge / Full RB



Date: 26\_JUL\_2024 16:16:39

Highest Band Edge / Full RB



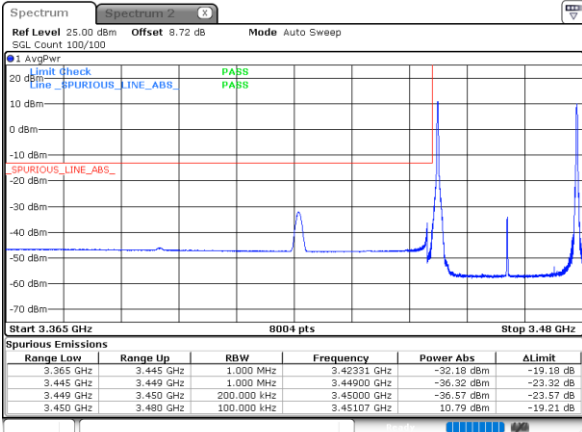
Date: 26\_JUL\_2024 16:34:29



LTE Band 42C / 20MHz+10MHz

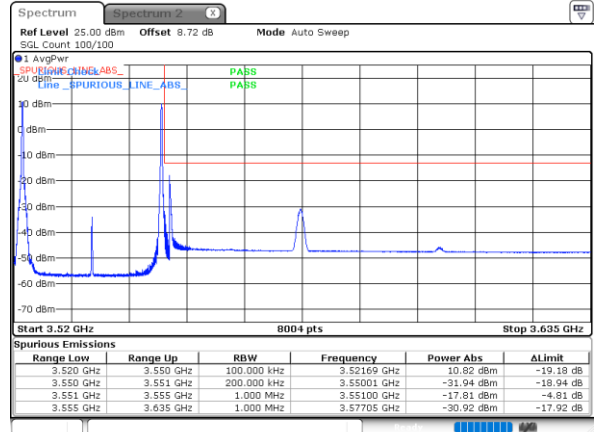
QPSK

Lowest Band Edge / 1RB0 and 1RB49



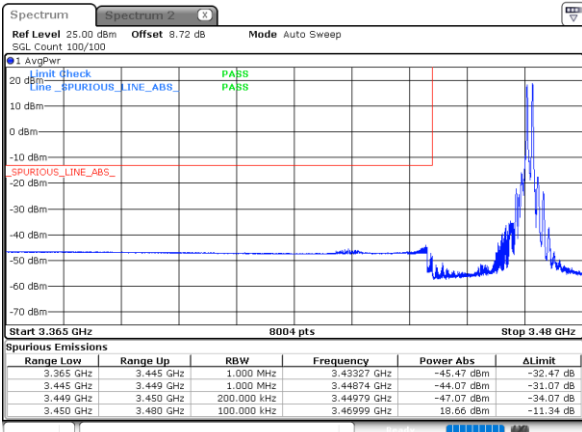
Date: 26.JUL.2024 16:51:12

Highest Band Edge / 1RB0 and 1RB49



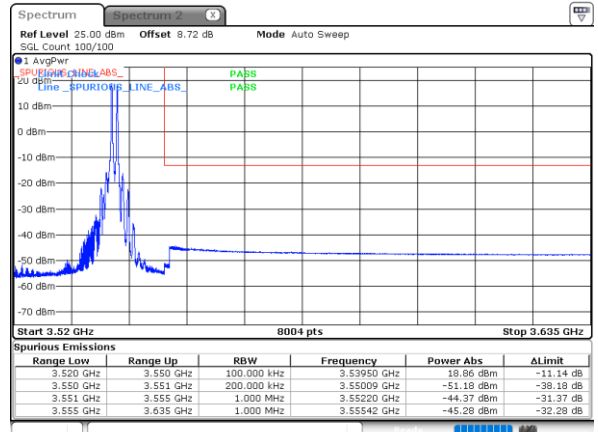
Date: 26.JUL.2024 17:09:04

Lowest Band Edge / 1RB99 and 1RB0



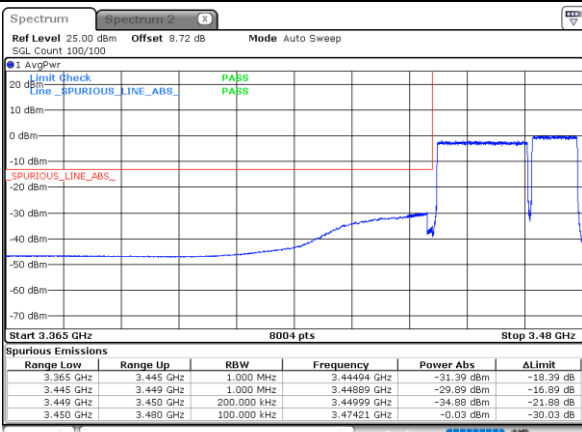
Date: 26.JUL.2024 16:42:17

Highest Band Edge / 1RB99 and 1RB0



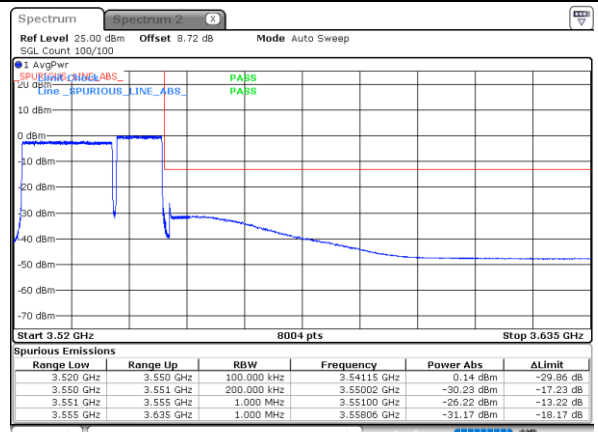
Date: 26.JUL.2024 17:00:05

Lowest Band Edge / Full RB



Date: 26.JUL.2024 16:46:45

Highest Band Edge / Full RB



Date: 26.JUL.2024 17:04:34

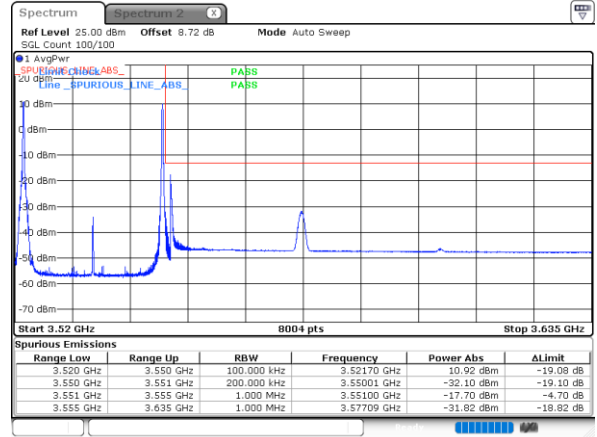
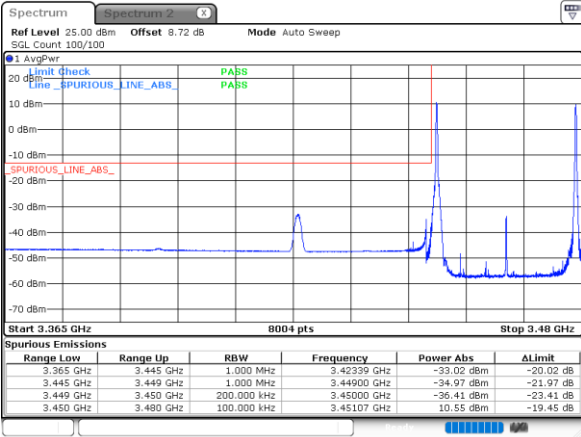


LTE Band 42C / 20MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

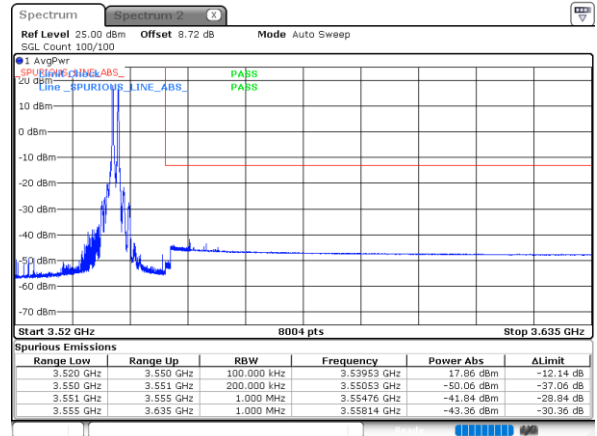
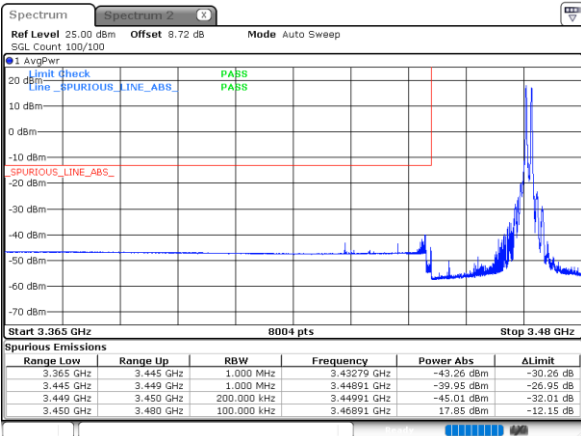


Date: 26\_JUL\_2024 16:52:19

Date: 26\_JUL\_2024 17:10:10

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

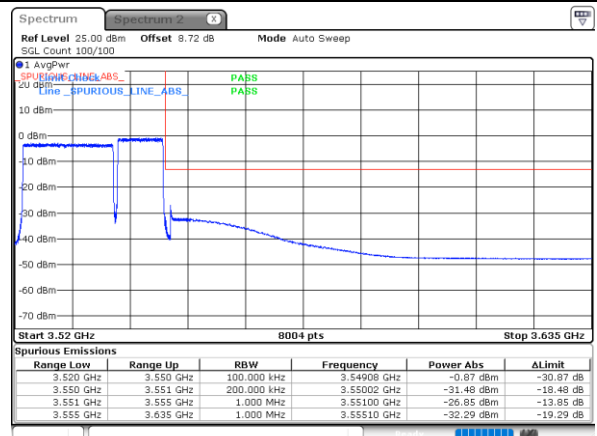
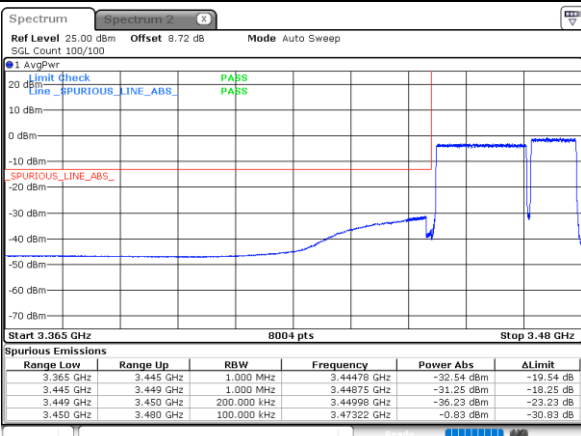


Date: 26\_JUL\_2024 16:43:24

Date: 26\_JUL\_2024 17:01:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26\_JUL\_2024 16:47:52

Date: 26\_JUL\_2024 17:05:41

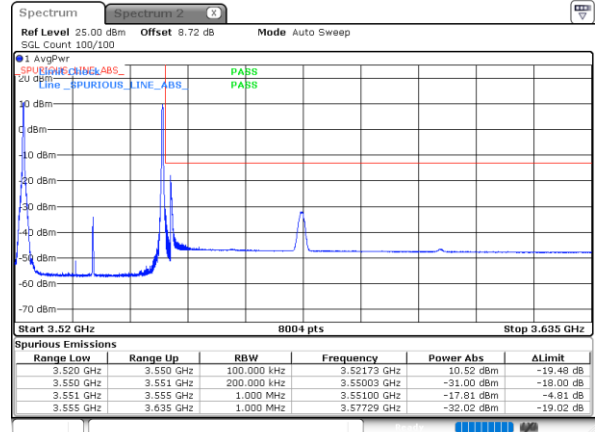
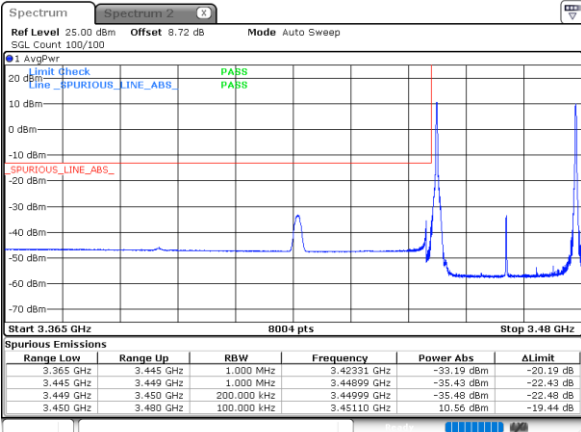


LTE Band 42C / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

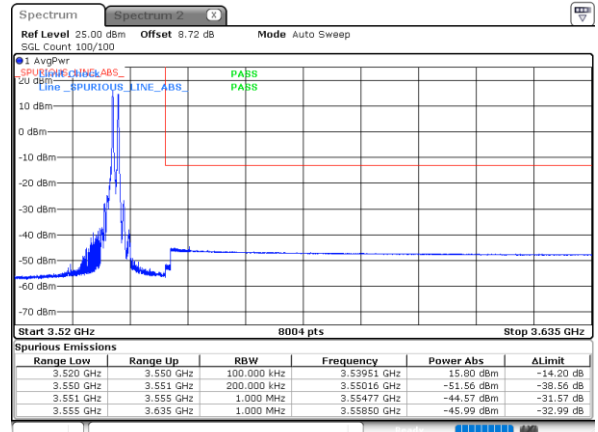
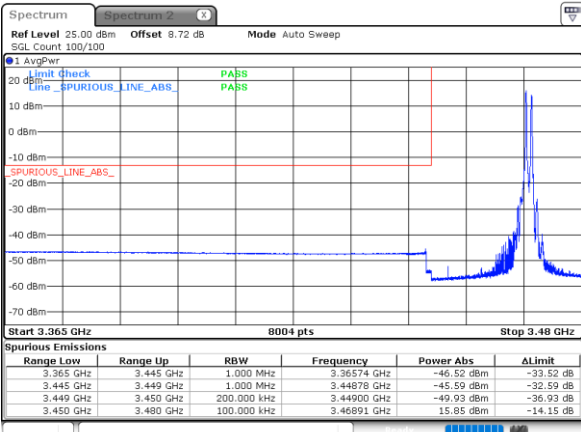


Date: 26\_JUL\_2024 16:53:26

Date: 26\_JUL\_2024 17:11:17

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

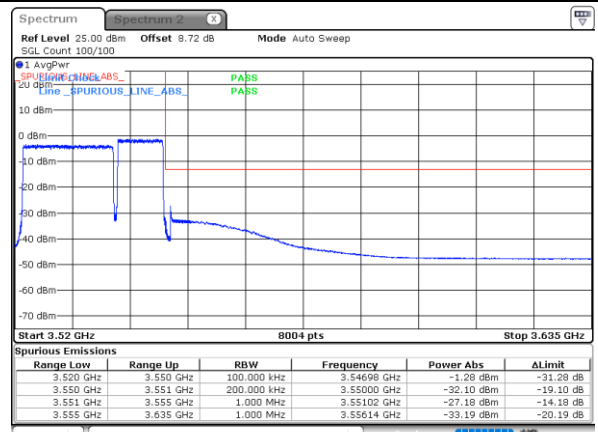
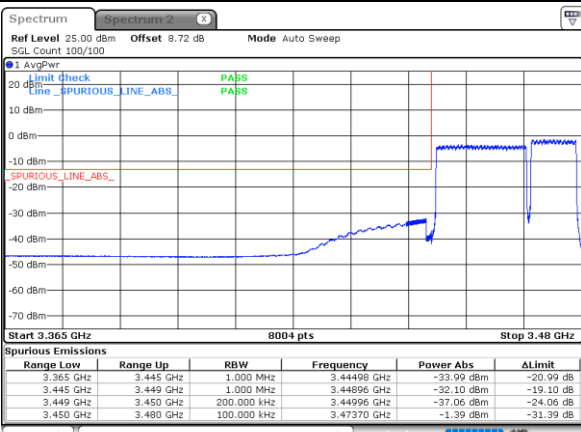


Date: 26\_JUL\_2024 16:44:31

Date: 26\_JUL\_2024 17:02:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26\_JUL\_2024 16:48:59

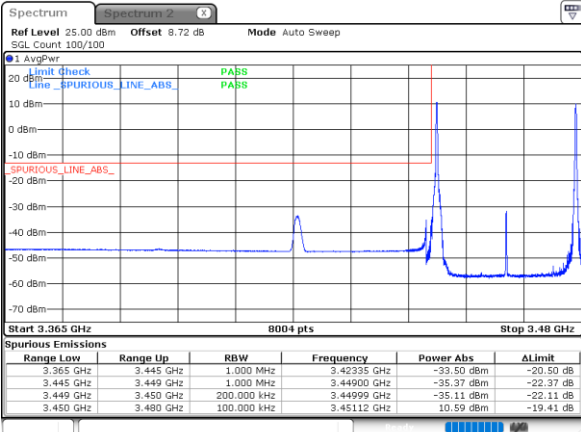
Date: 26\_JUL\_2024 17:06:49



LTE Band 42C / 20MHz+10MHz

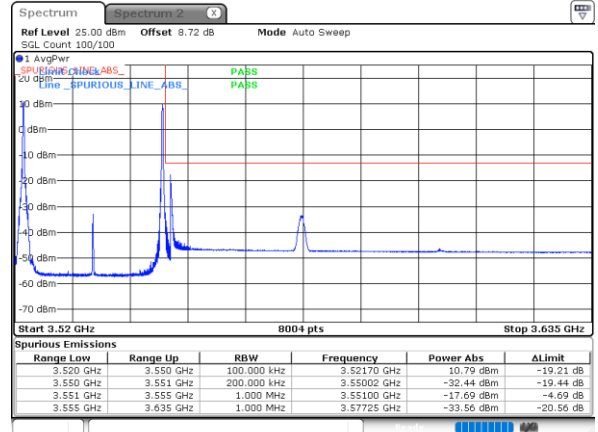
256QAM

Lowest Band Edge / 1RB0 and 1RB49



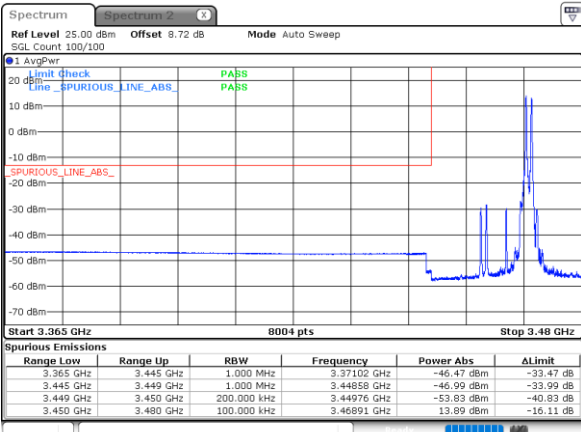
Date: 26\_JUL\_2024 16:54:33

Highest Band Edge / 1RB0 and 1RB49



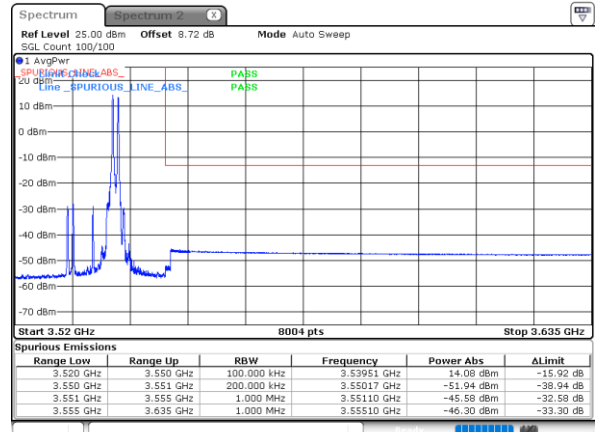
Date: 26\_JUL\_2024 17:12:24

Lowest Band Edge / 1RB99 and 1RB0



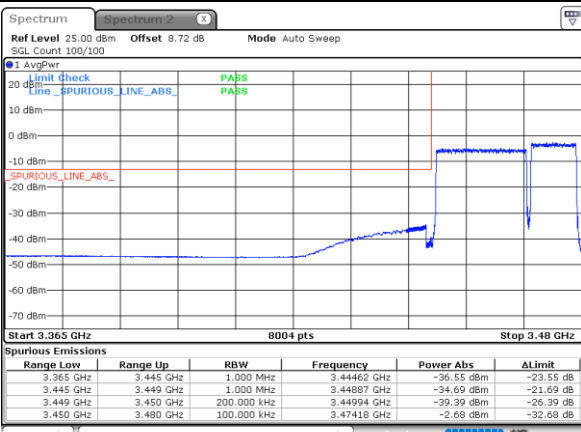
Date: 26\_JUL\_2024 16:45:38

Highest Band Edge / 1RB99 and 1RB0



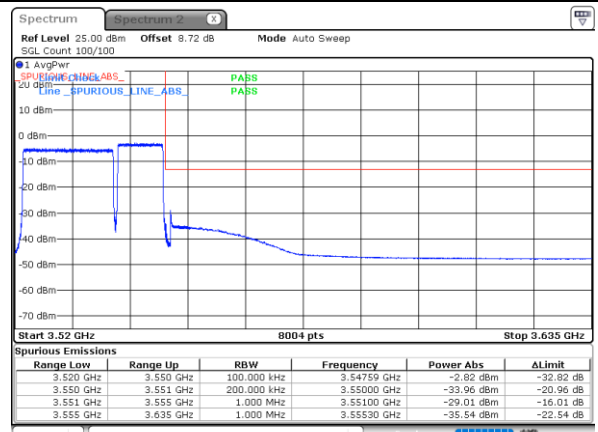
Date: 26\_JUL\_2024 17:03:27

Lowest Band Edge / Full RB



Date: 26\_JUL\_2024 16:50:05

Highest Band Edge / Full RB



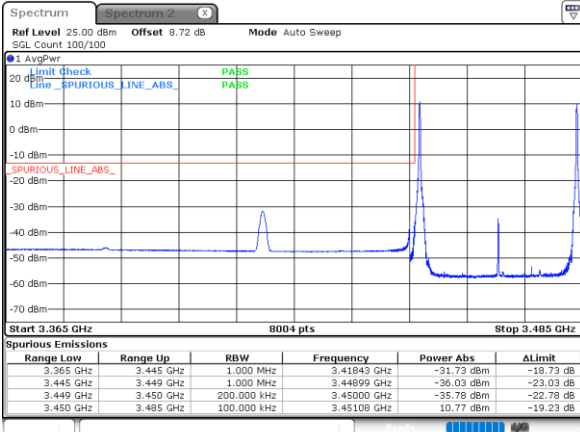
Date: 26\_JUL\_2024 17:07:56



LTE Band 42C / 20MHz+15MHz

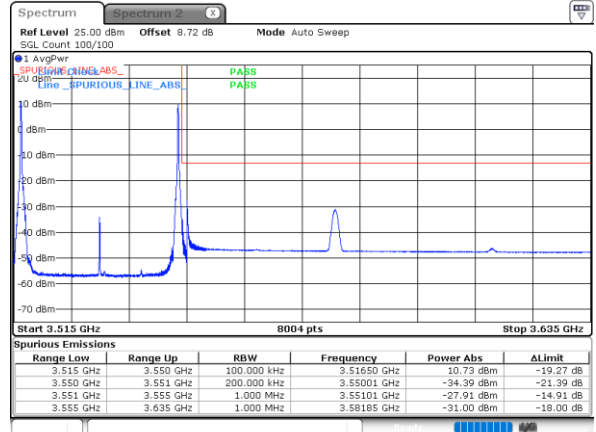
QPSK

Lowest Band Edge / 1RB0 and 1RB74



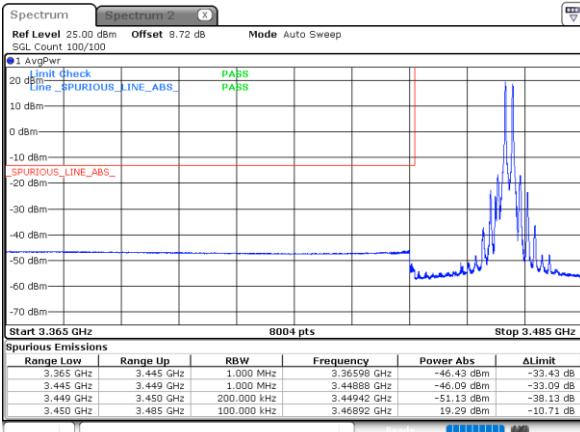
Date: 26.JUL.2024 17:24:41

Highest Band Edge / 1RB0 and 1RB74



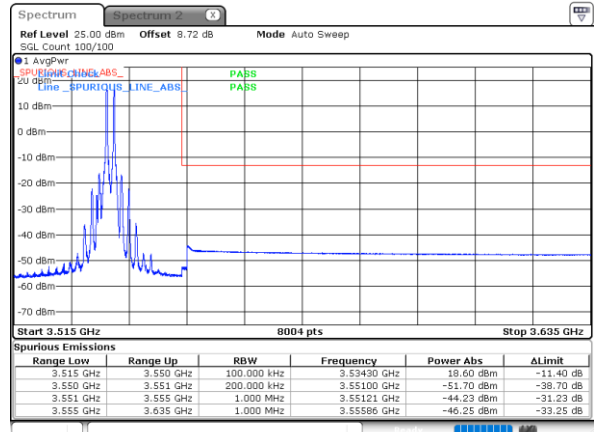
Date: 26.JUL.2024 18:03:29

Lowest Band Edge / 1RB99 and 1RB0



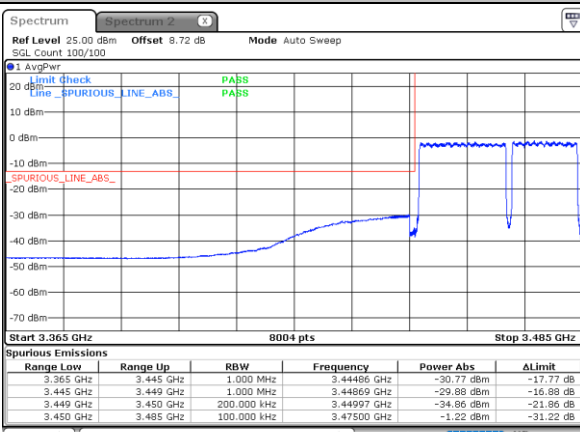
Date: 26.JUL.2024 17:15:45

Highest Band Edge / 1RB99 and 1RB0



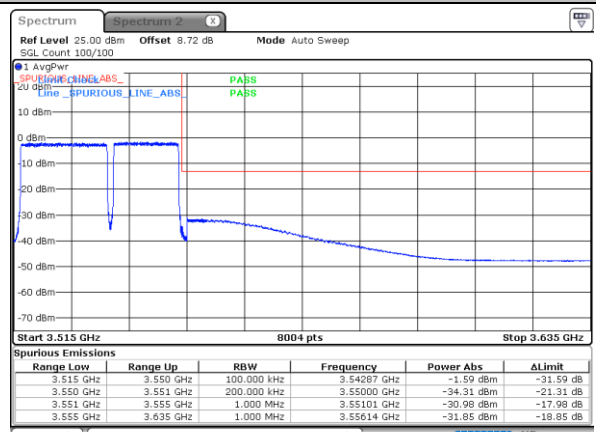
Date: 26.JUL.2024 17:54:32

Lowest Band Edge / Full RB



Date: 26.JUL.2024 17:20:13

Highest Band Edge / Full RB



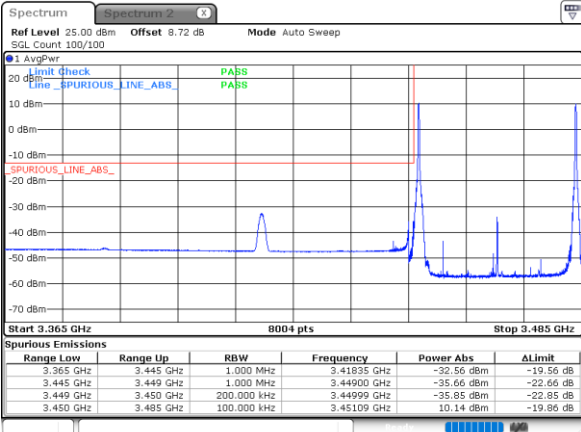
Date: 26.JUL.2024 17:59:01



LTE Band 42C / 20MHz+15MHz

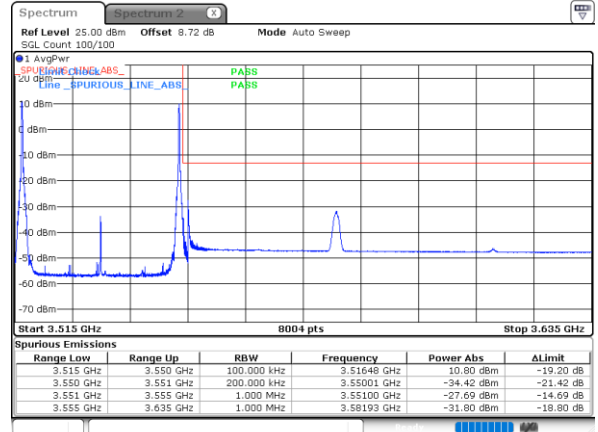
16QAM

Lowest Band Edge / 1RB0 and 1RB74



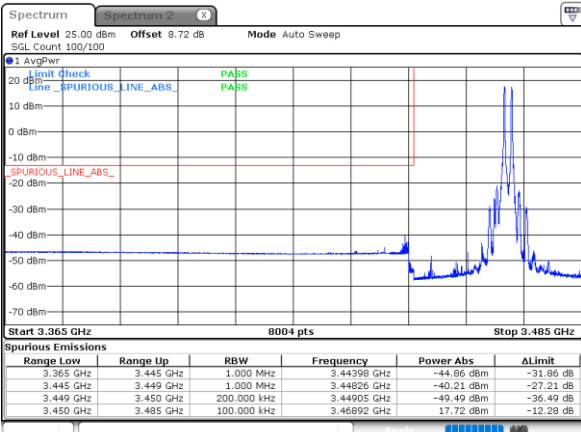
Date: 26\_JUL\_2024 17:25:48

Highest Band Edge / 1RB0 and 1RB74



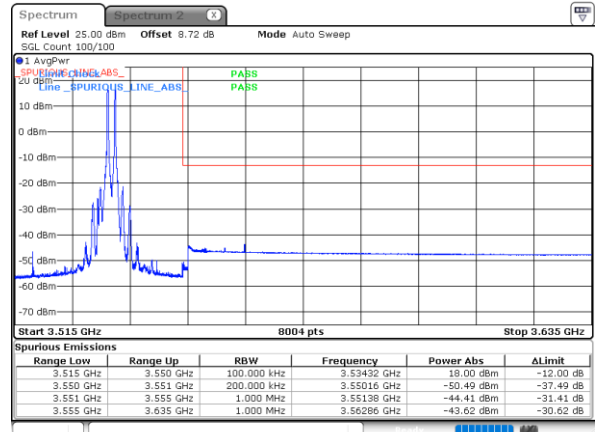
Date: 26\_JUL\_2024 18:04:36

Lowest Band Edge / 1RB99 and 1RB0



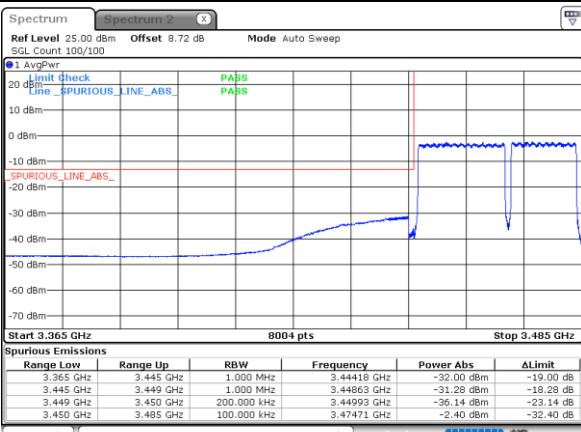
Date: 26\_JUL\_2024 17:16:52

Highest Band Edge / 1RB99 and 1RB0



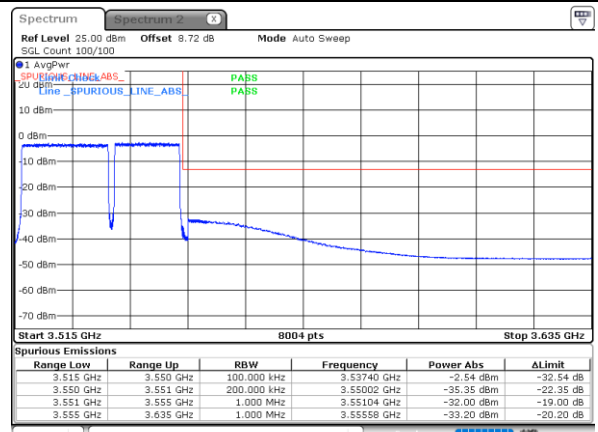
Date: 26\_JUL\_2024 17:55:38

Lowest Band Edge / Full RB



Date: 26\_JUL\_2024 17:21:20

Highest Band Edge / Full RB



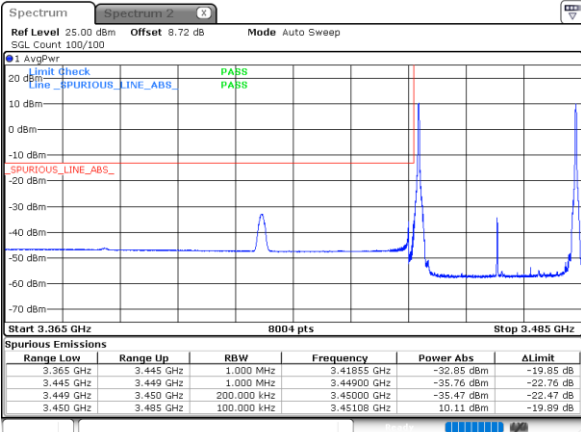
Date: 26\_JUL\_2024 18:00:08



LTE Band 42C / 20MHz+15MHz

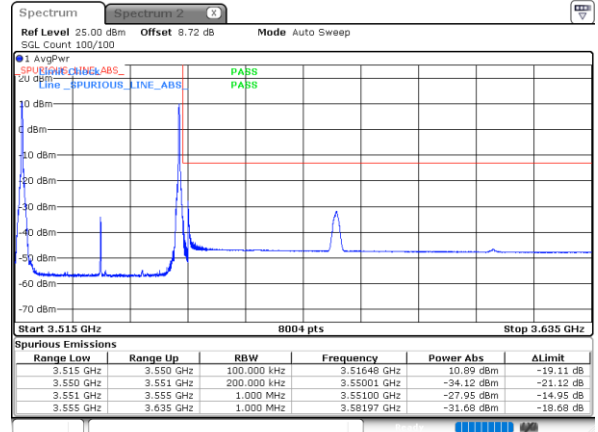
64QAM

Lowest Band Edge / 1RB0 and 1RB74



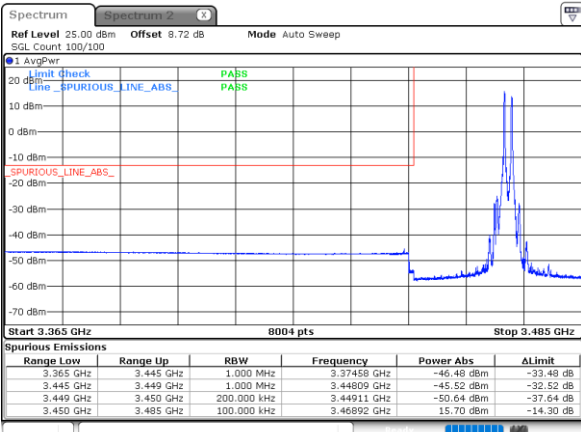
Date: 26\_JUL\_2024 17:26:55

Highest Band Edge / 1RB0 and 1RB74



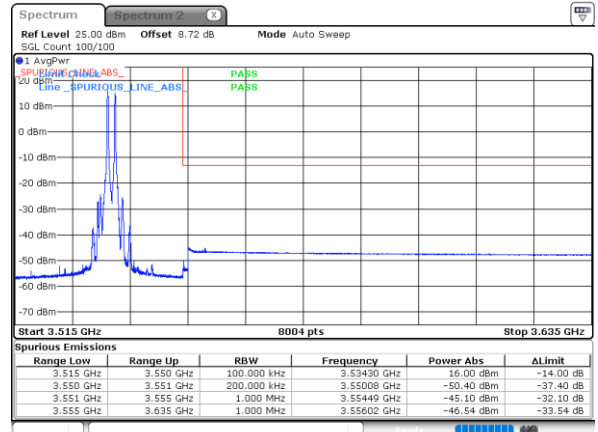
Date: 26\_JUL\_2024 18:05:42

Lowest Band Edge / 1RB99 and 1RB0



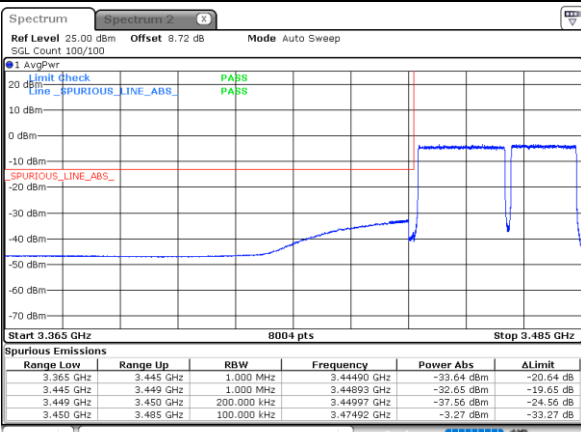
Date: 26\_JUL\_2024 17:17:59

Highest Band Edge / 1RB99 and 1RB0



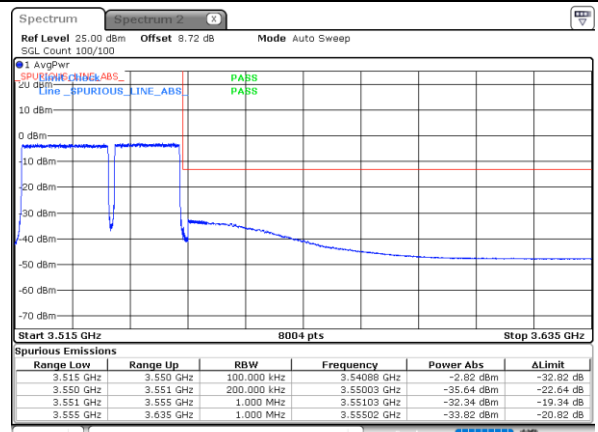
Date: 26\_JUL\_2024 17:56:47

Lowest Band Edge / Full RB



Date: 26\_JUL\_2024 17:22:27

Highest Band Edge / Full RB



Date: 26\_JUL\_2024 18:01:15

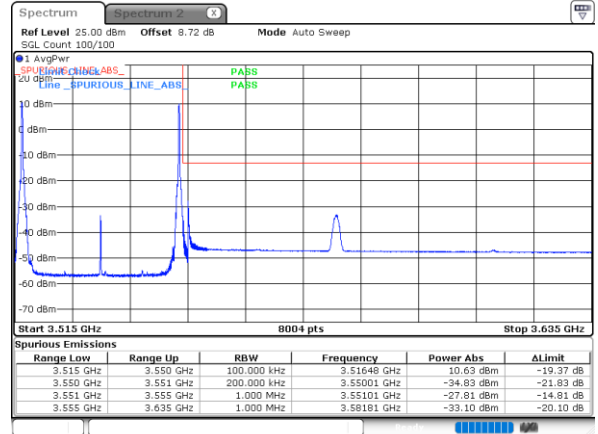
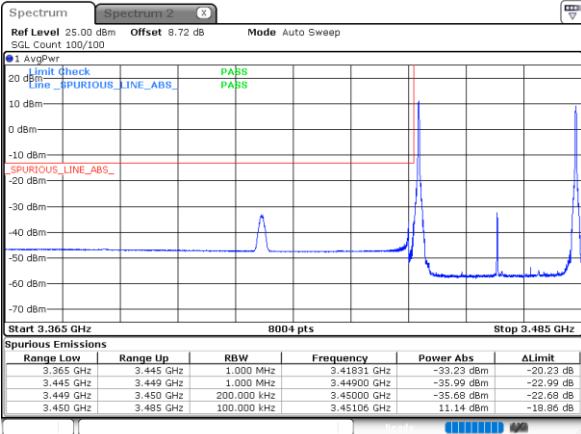


LTE Band 42C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

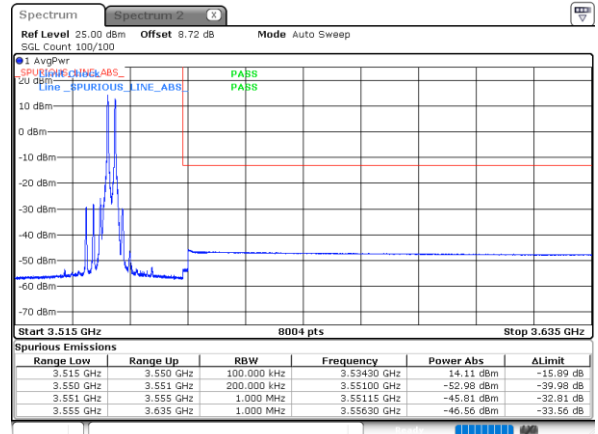
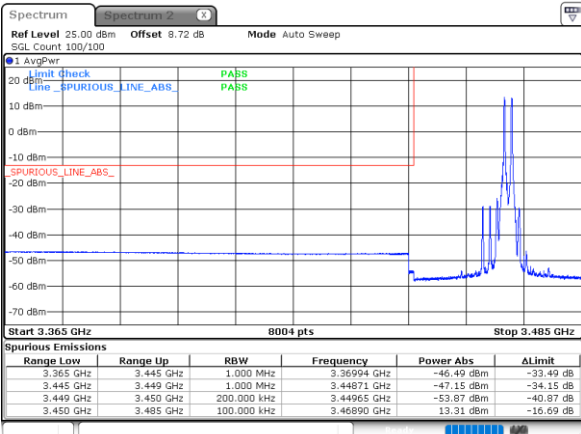


Date: 26\_JUL\_2024 17:28:02

Date: 26\_JUL\_2024 18:06:49

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

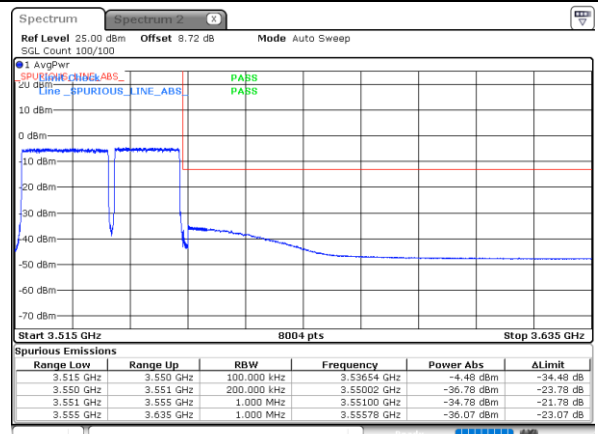
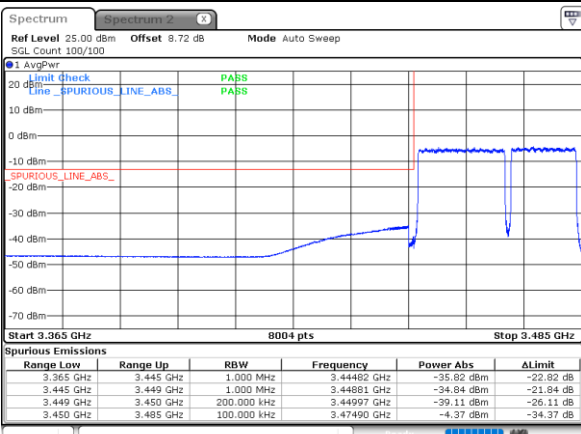


Date: 26\_JUL\_2024 17:19:06

Date: 26\_JUL\_2024 17:57:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

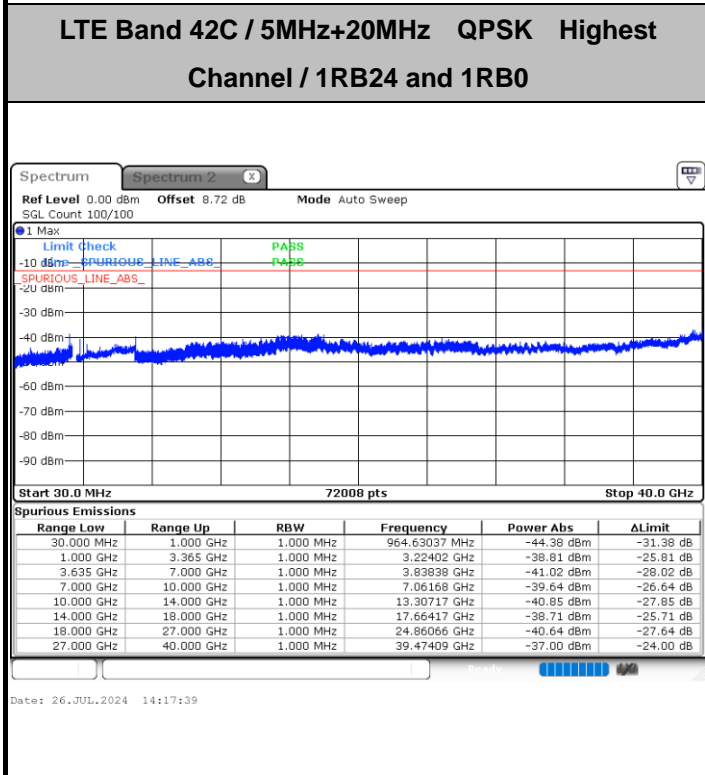
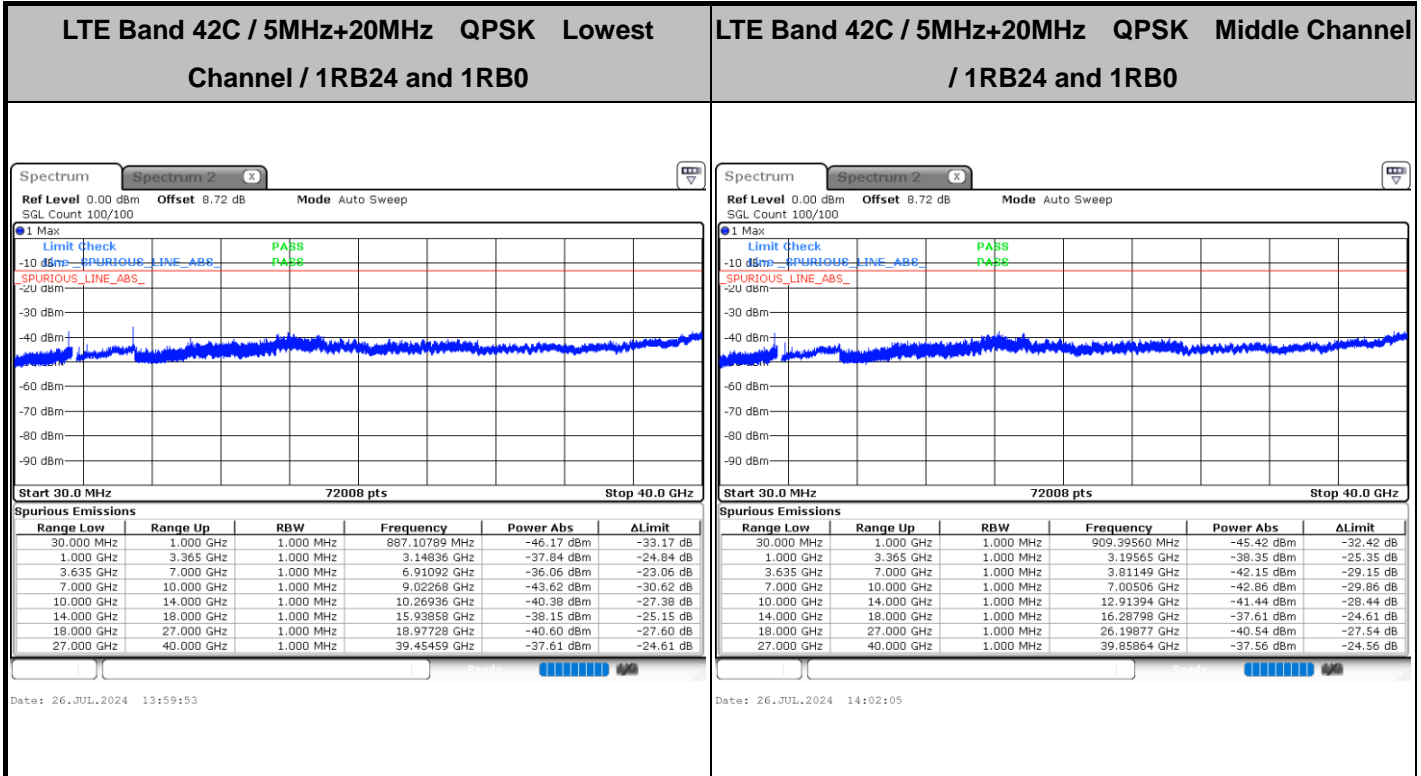


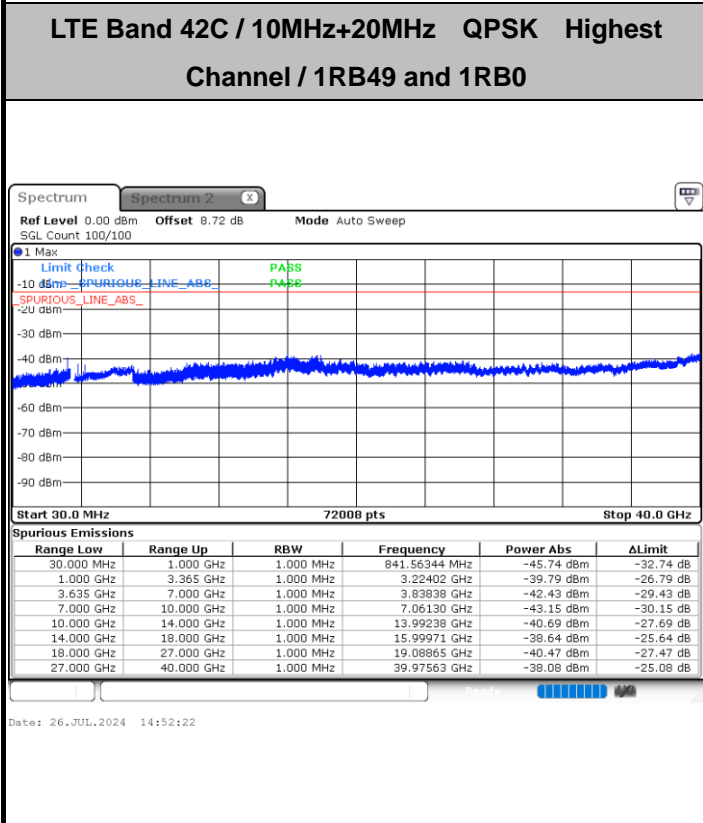
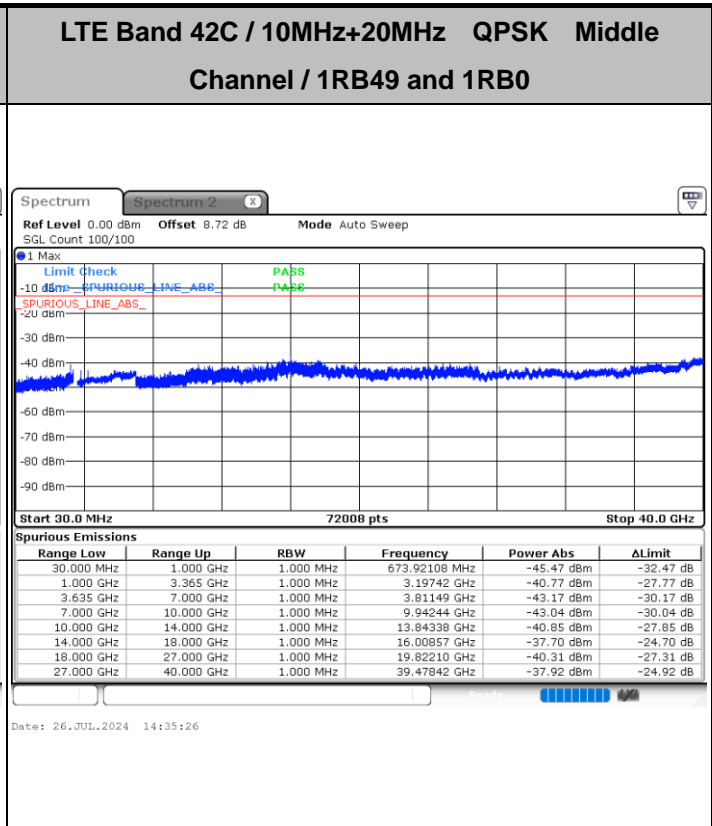
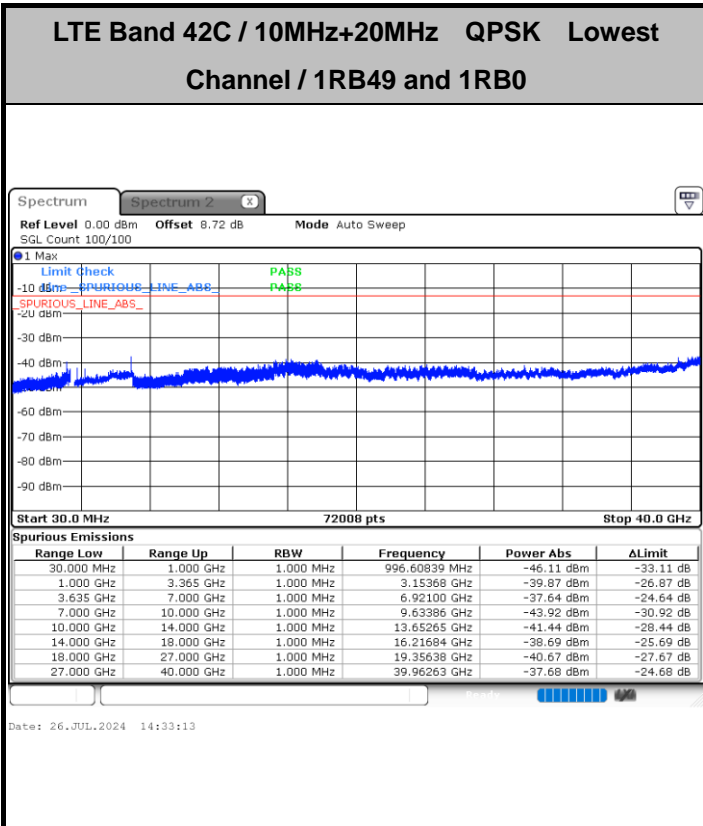
Date: 26\_JUL\_2024 17:23:34

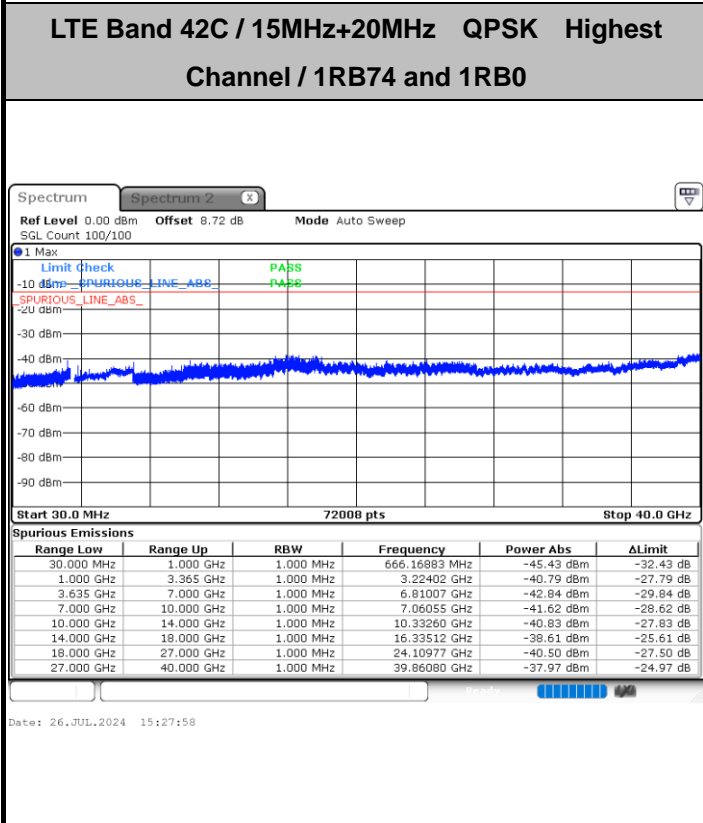
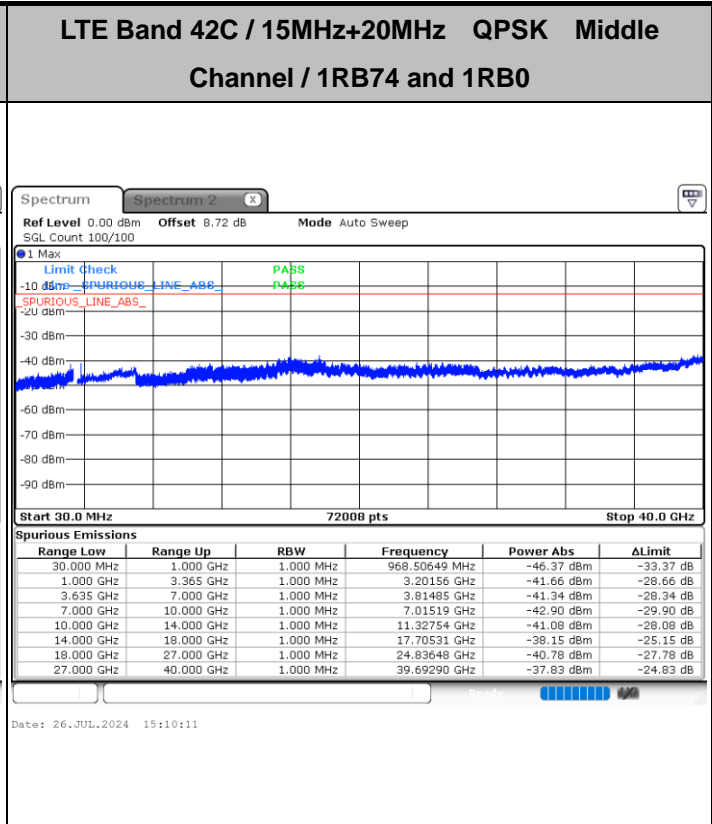
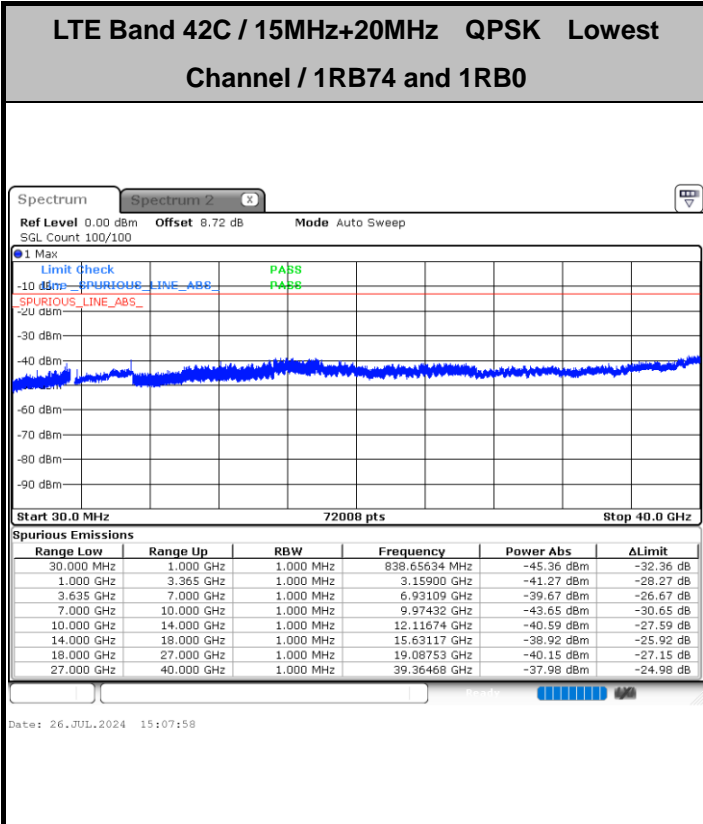
Date: 26\_JUL\_2024 18:02:22

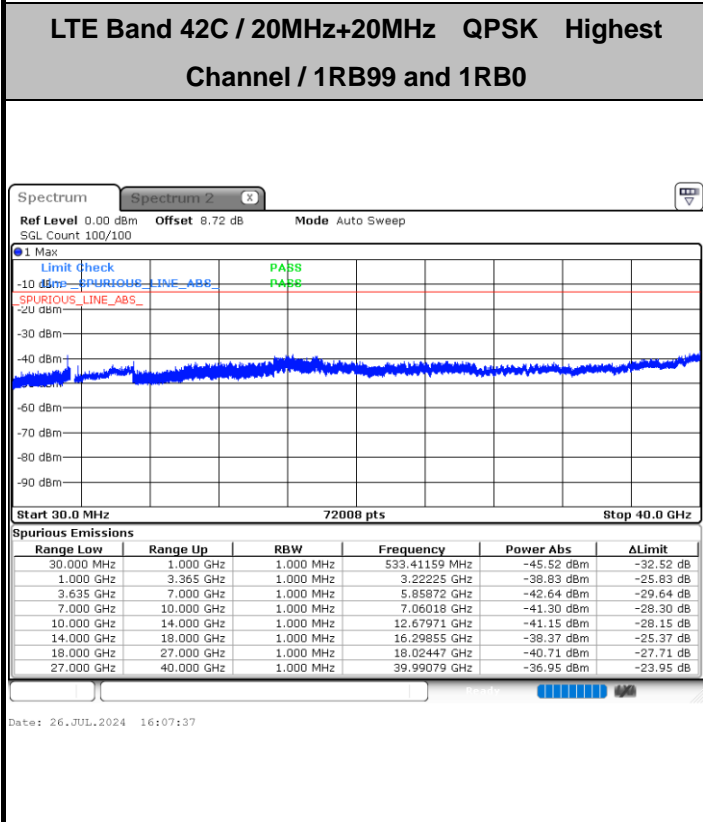
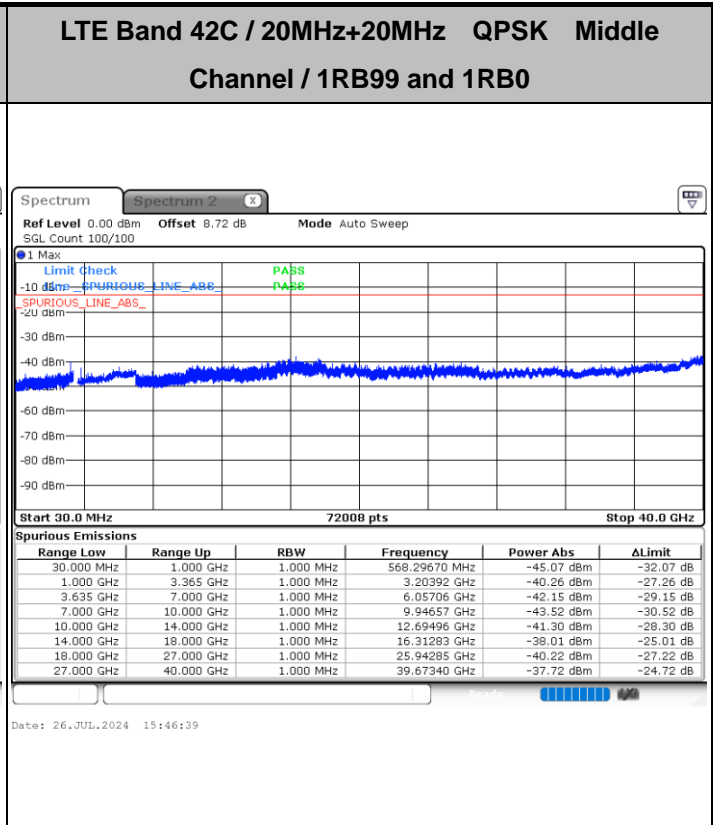
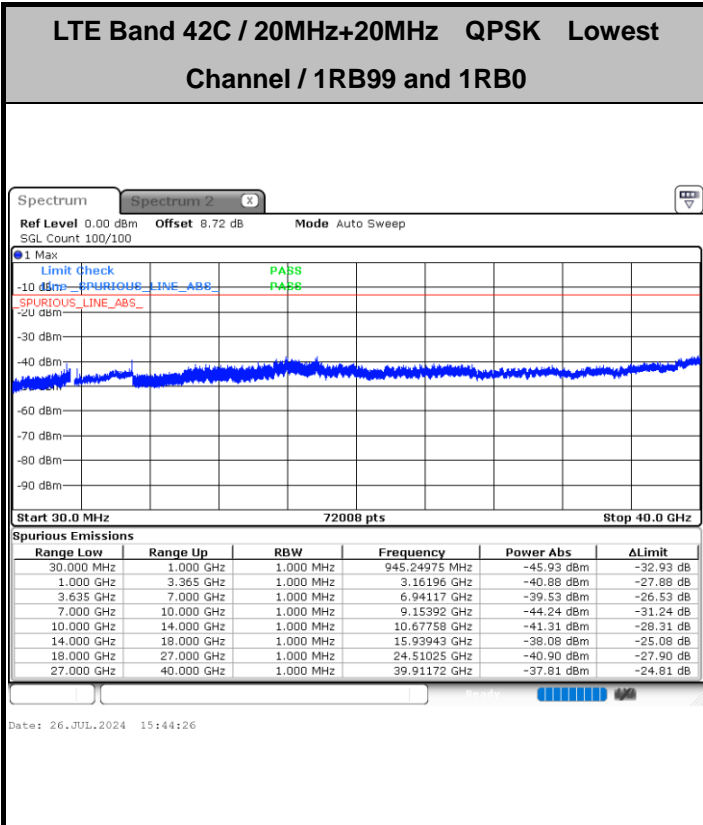


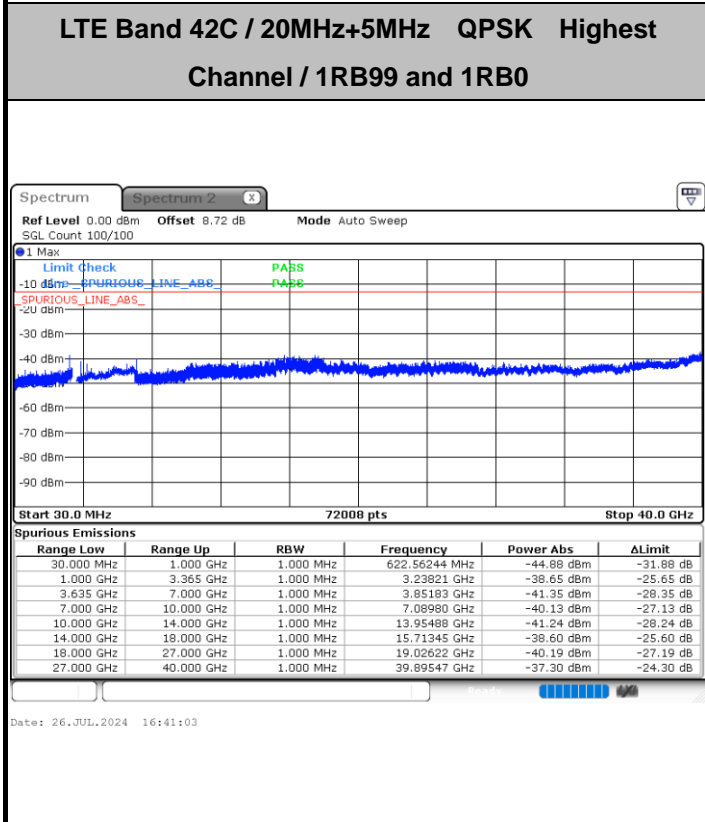
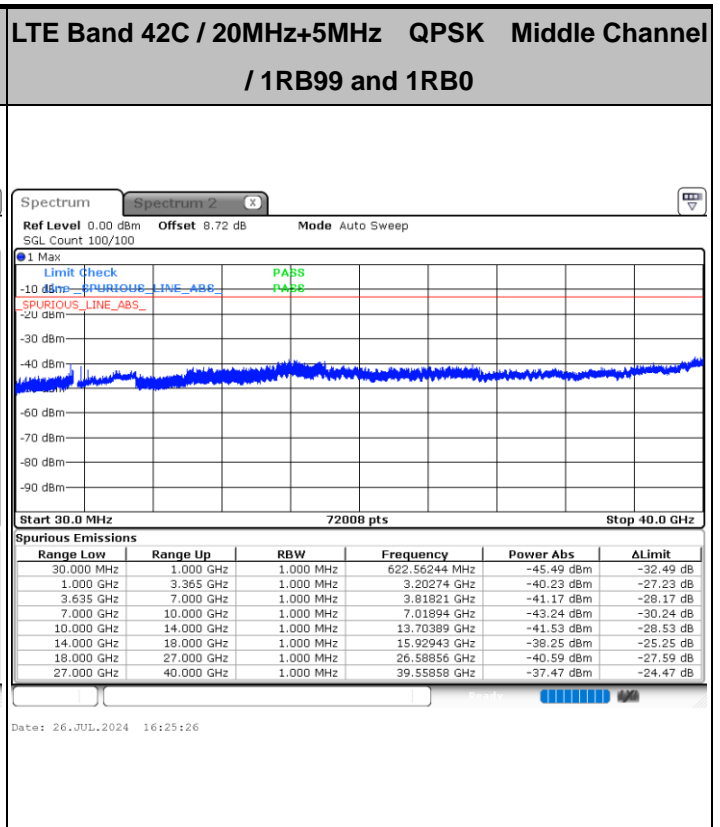
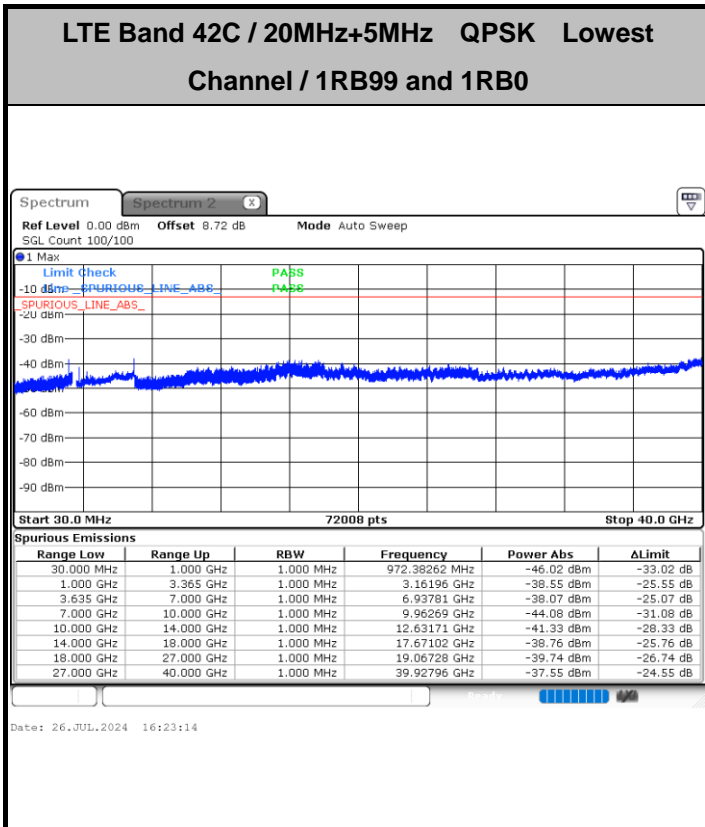
# Conducted Spurious Emission







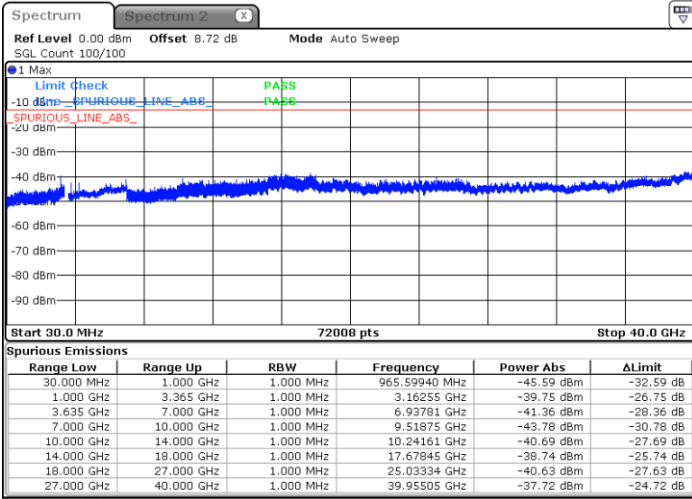




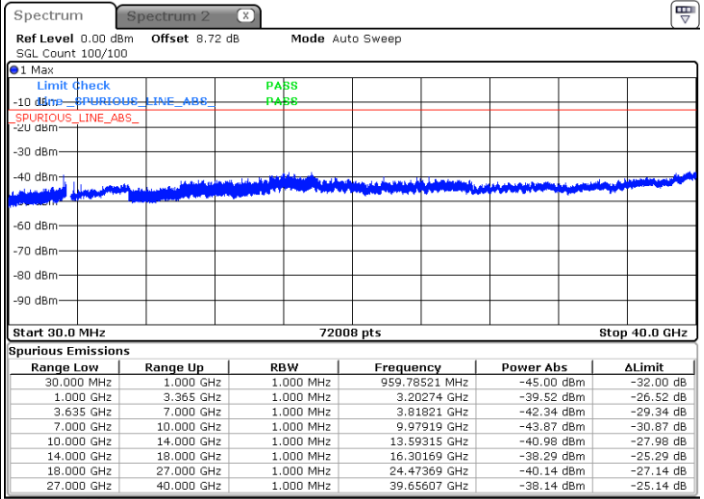


LTE Band 42C / 20MHz+10MHz QPSK Lowest Channel / 1RB99 and 1RB0

LTE Band 42C / 20MHz+10MHz QPSK Middle Channel / 1RB99 and 1RB0

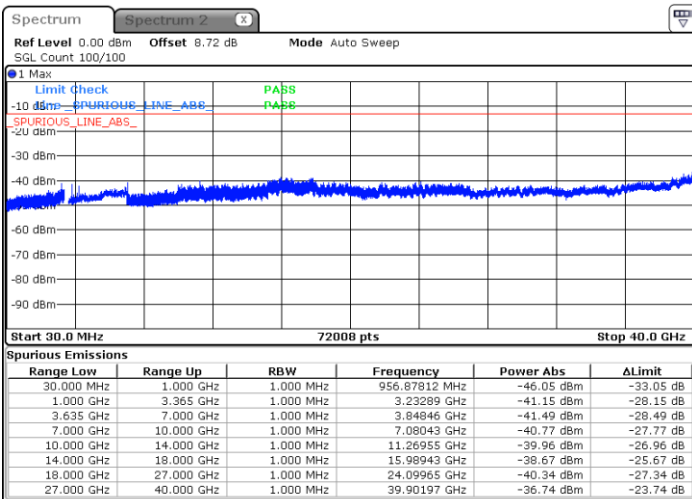


Date: 26.JUL.2024 16:56:39

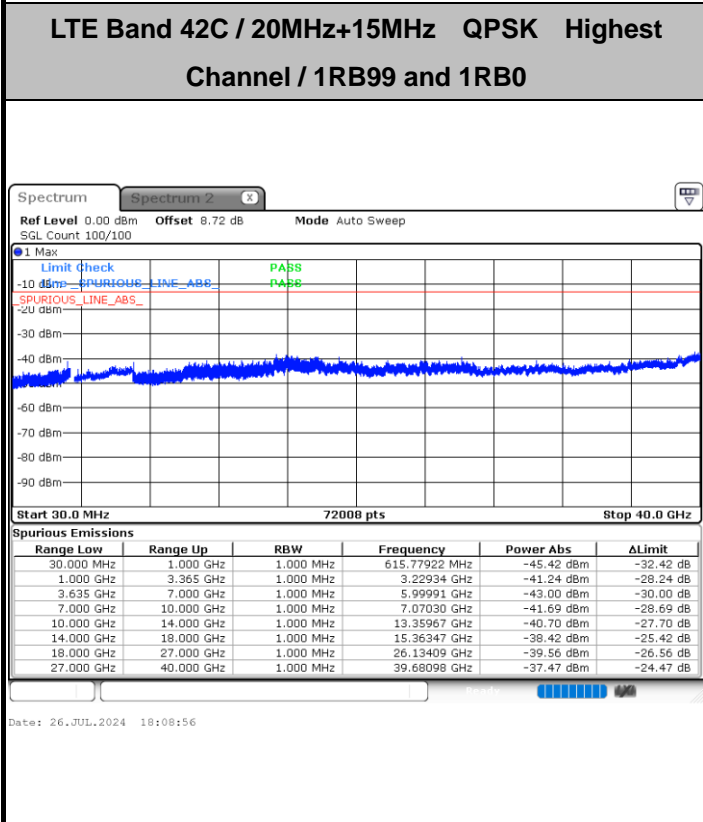
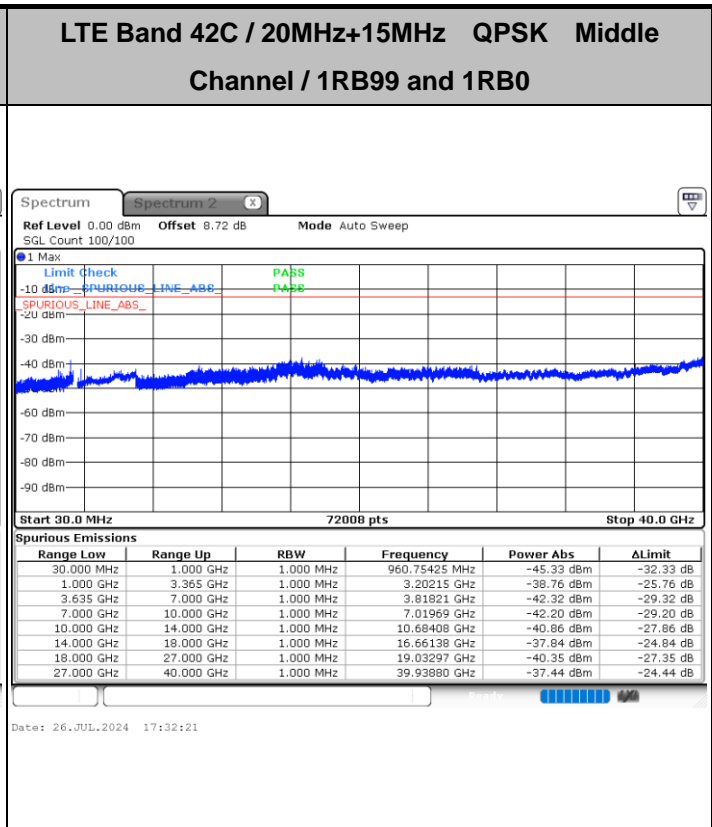
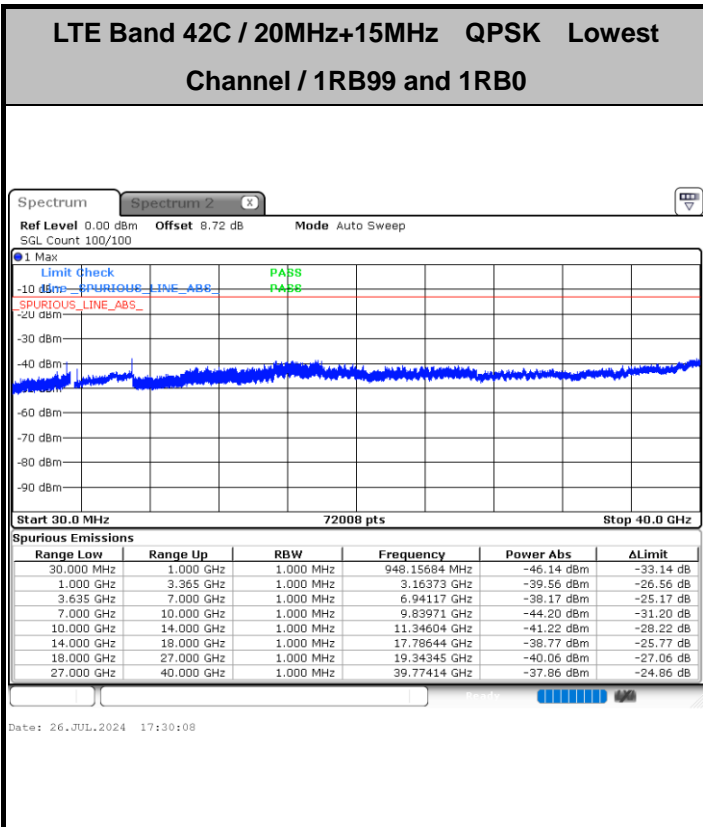


Date: 26.JUL.2024 16:58:52

LTE Band 42C / 20MHz+10MHz QPSK Highest Channel / 1RB99 and 1RB0



Date: 26.JUL.2024 17:14:31



## 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	0.0018	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0037	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0066	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0011	

**Note:**

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 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 :	Jake zhou	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 42 / 20MHz / QPSK								
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	6984	-43.54	-13	-30.54	-53.75	3.03	13.24	H
	10476	-45.95	-13	-32.95	-55.40	3.56	13.01	H
	13968	-43.74	-13	-30.74	-53.26	3.92	13.44	H
	6984	-44.55	-13	-31.55	-54.76	3.03	13.24	V
	10476	-46.09	-13	-33.09	-55.54	3.56	13.01	V
	13968	-46.02	-13	-33.02	-55.54	3.92	13.44	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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
PCC Middle	6984	-56.79	-13	-43.79	-67.00	3.03	13.24	H
	10476	-49.96	-13	-36.96	-59.41	3.56	13.01	H
	13968	-45.92	-13	-32.92	-55.44	3.92	13.44	H
	6984	-56.21	-13	-43.21	-66.42	3.03	13.24	V
	10476	-50.45	-13	-37.45	-59.90	3.56	13.01	V
	13968	-46.04	-13	-33.04	-55.56	3.92	13.44	V
SCC Middle	7020	-58.26	-13	-45.26	-68.47	3.03	13.24	H
	10536	-51.50	-13	-38.50	-60.95	3.56	13.01	H
	14040	-44.80	-13	-31.80	-54.32	3.92	13.44	H
	7020	-58.22	-13	-45.22	-68.43	3.03	13.24	V
	10536	-51.37	-13	-38.37	-60.82	3.56	13.01	V
	14040	-44.75	-13	-31.75	-54.27	3.92	13.44	V

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