

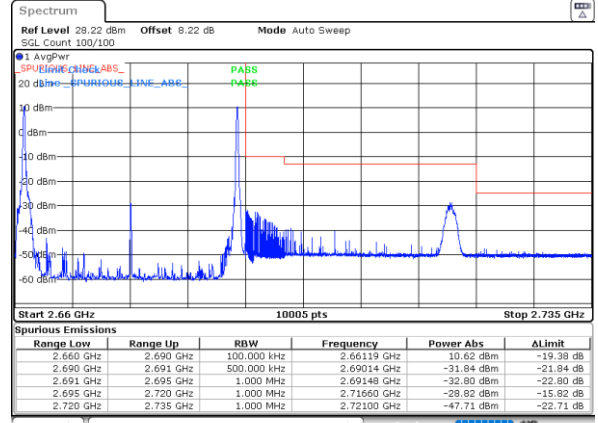
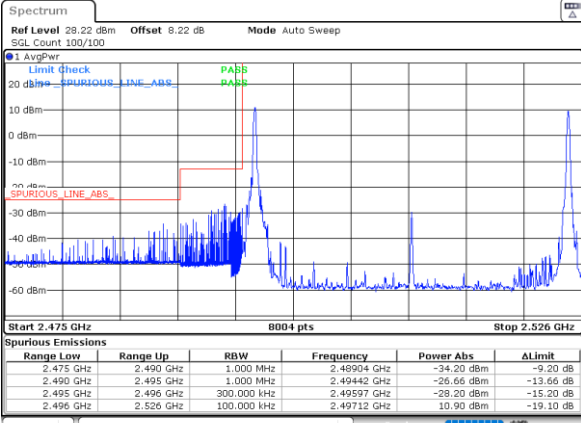


LTE Band 41C / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

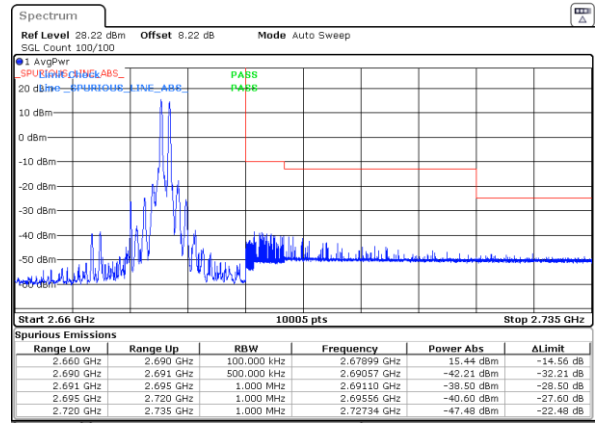
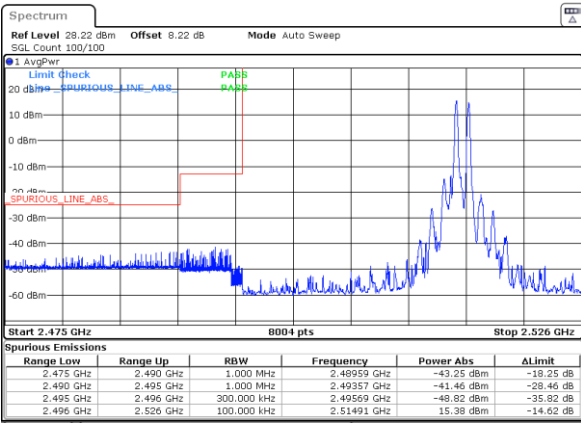


Date: 8.APR.2024 02:58:33

Date: 8.APR.2024 03:11:13

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

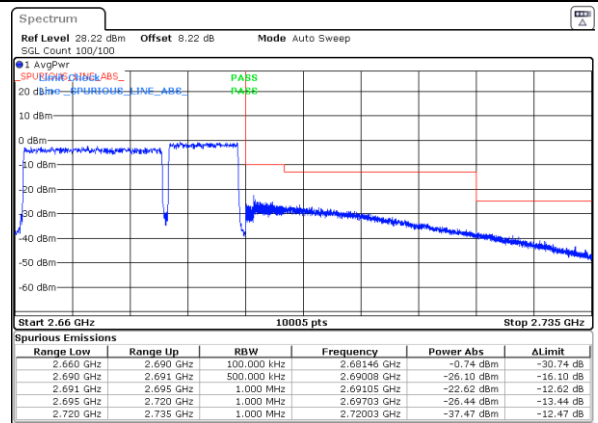
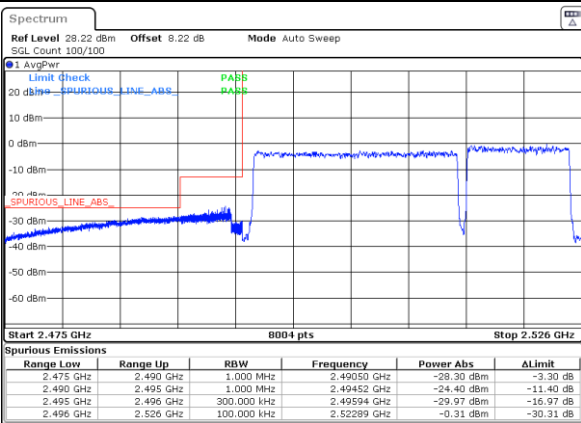


Date: 8.APR.2024 02:55:22

Date: 8.APR.2024 03:08:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.APR.2024 03:01:44

Date: 8.APR.2024 03:14:23

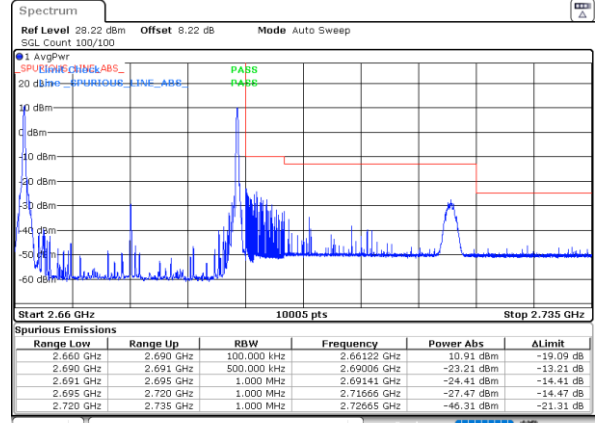
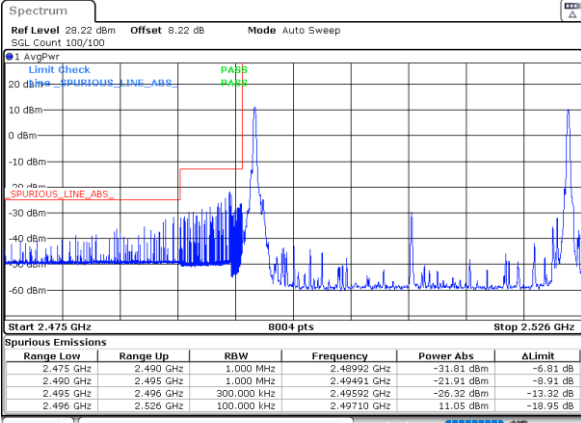


LTE Band 41C / 20MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

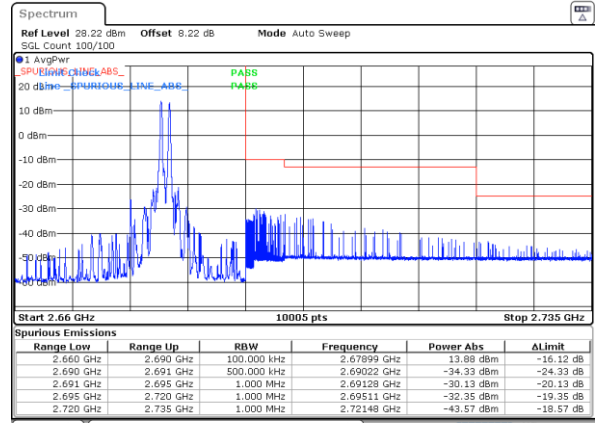
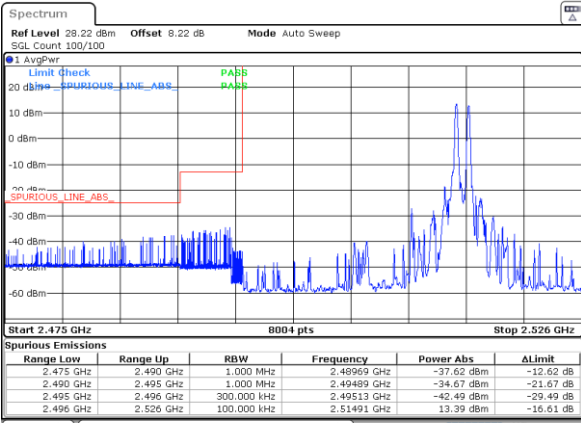


Date: 8.APR.2024 02:59:20

Date: 8.APR.2024 03:11:59

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

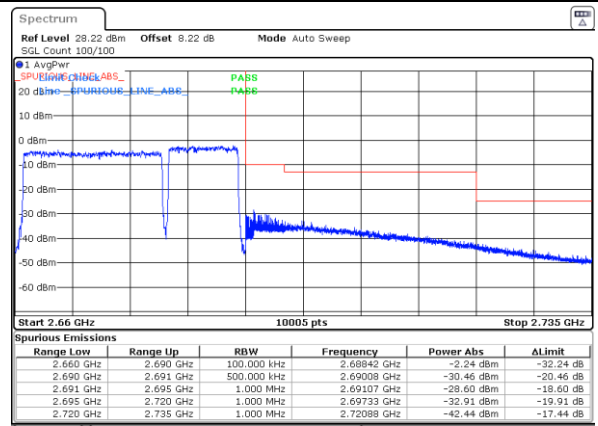
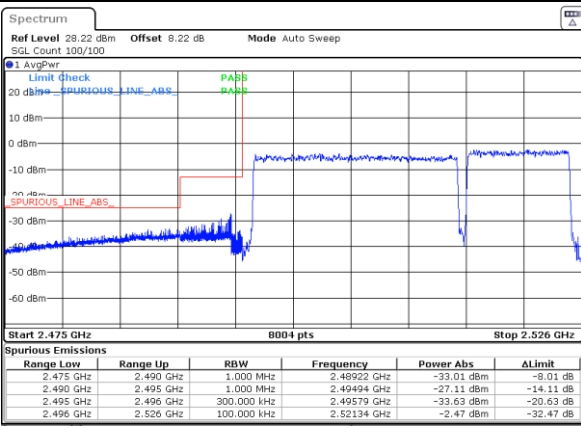


Date: 8.APR.2024 02:16:10

Date: 8.APR.2024 03:08:48

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.APR.2024 03:02:32

Date: 8.APR.2024 03:15:11

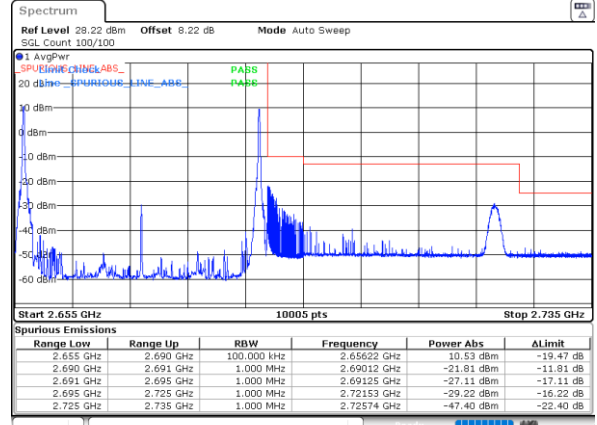
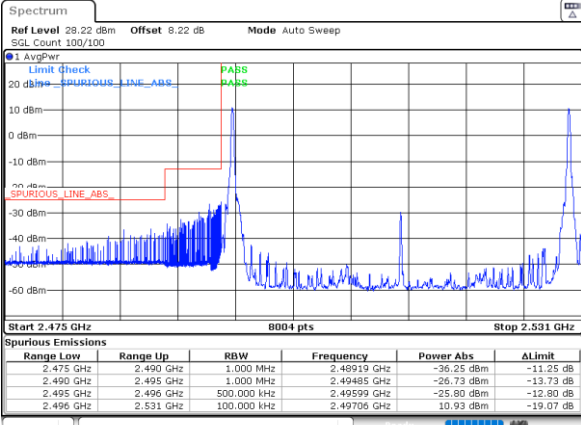


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

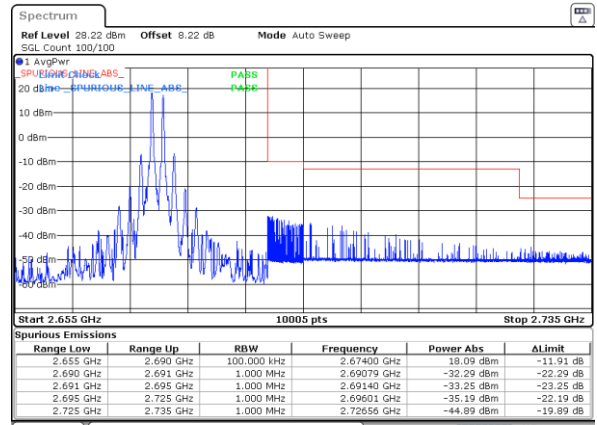
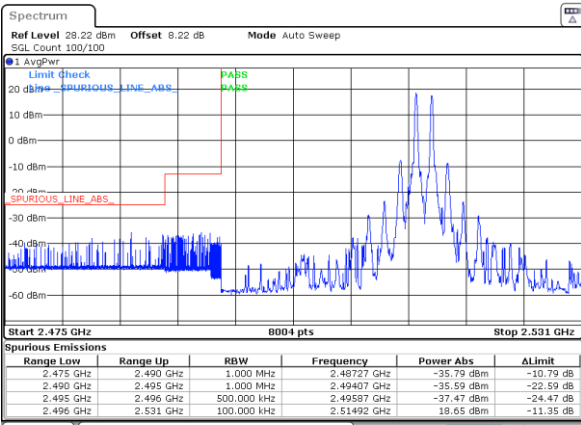


Date: 8.APR.2024 03:20:43

Date: 8.APR.2024 03:33:23

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

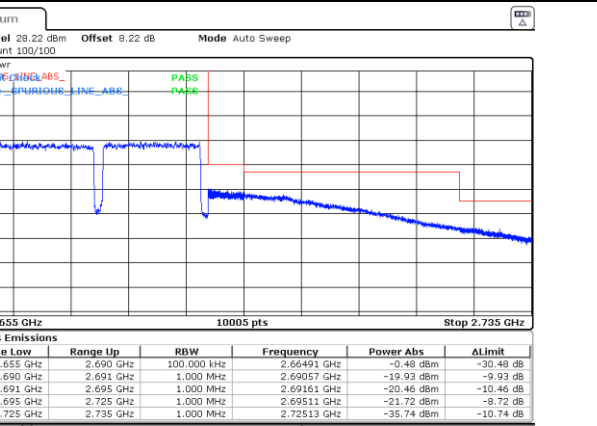
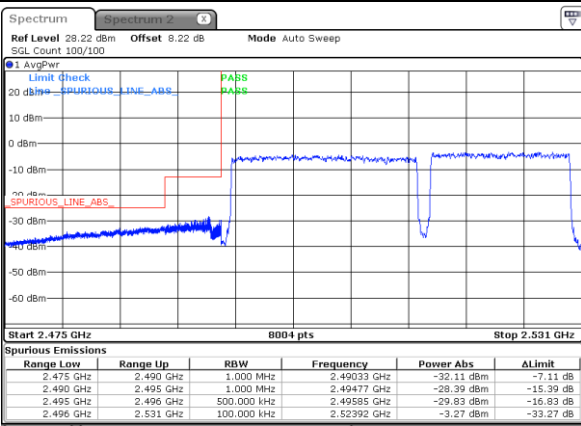


Date: 8.APR.2024 03:17:33

Date: 8.APR.2024 03:30:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.APR.2024 19:39:25

Date: 8.APR.2024 03:36:34

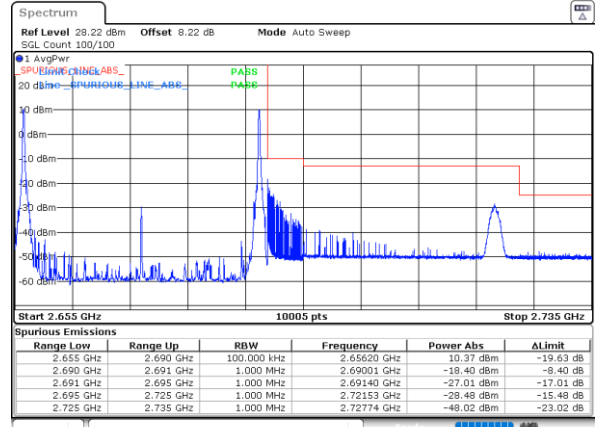
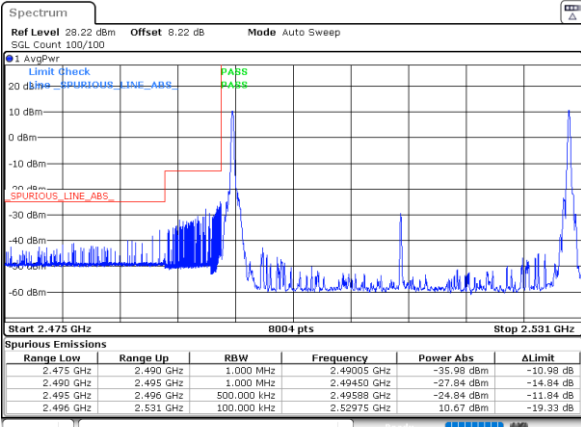


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

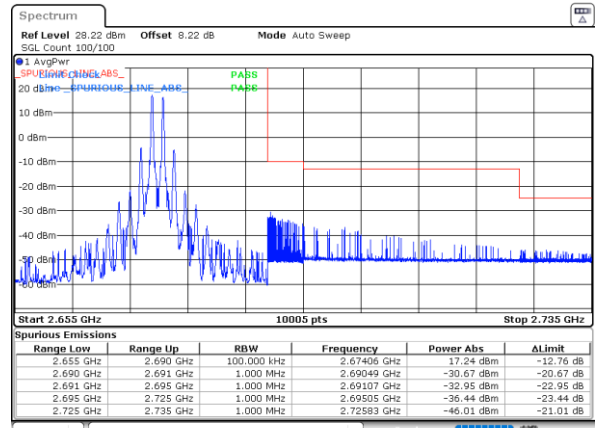
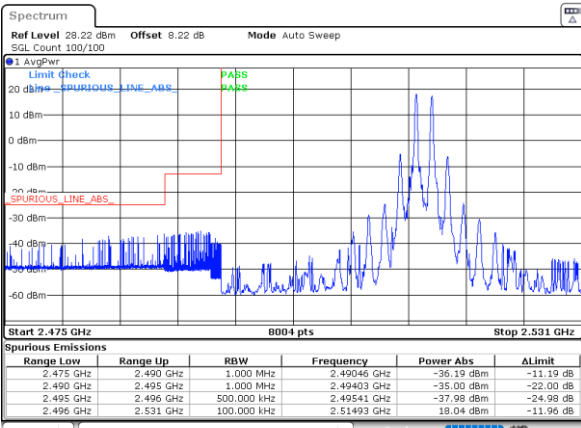


Date: 8.APR.2024 03:21:31

Date: 8.APR.2024 03:34:10

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

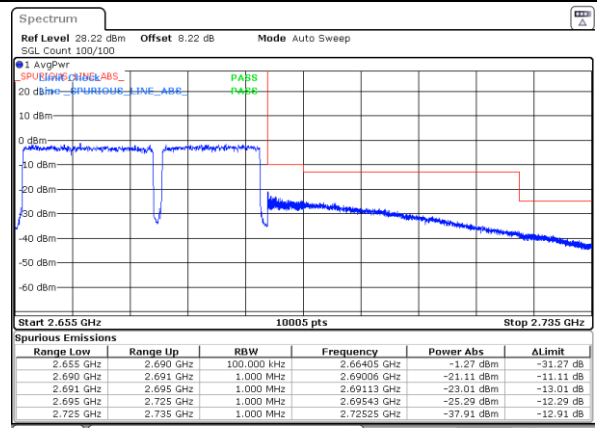
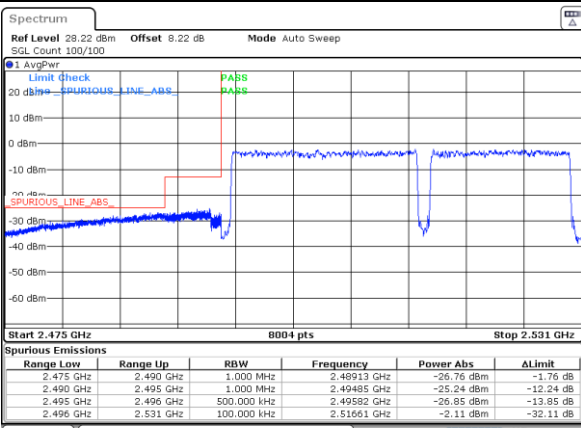


Date: 8.APR.2024 03:18:19

Date: 8.APR.2024 03:30:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.APR.2024 03:25:31

Date: 8.APR.2024 03:37:22

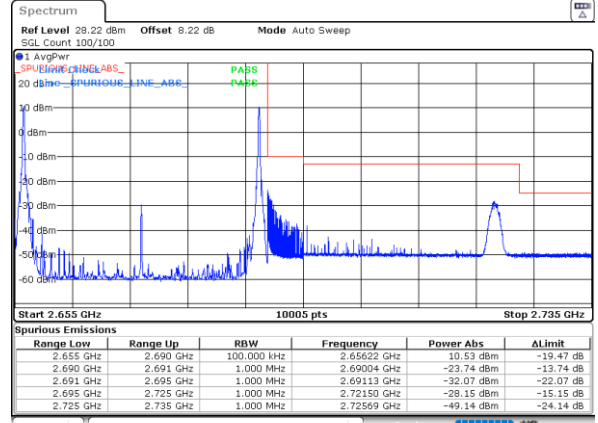
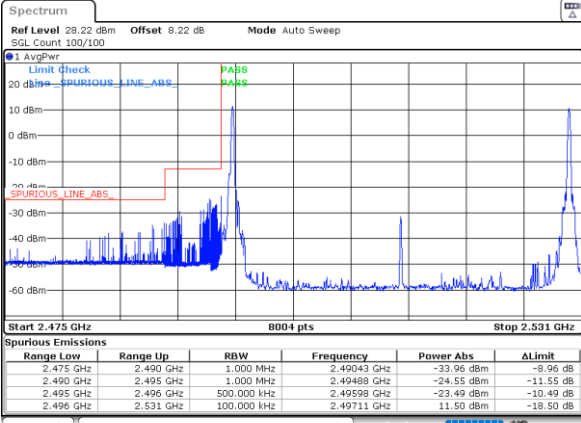


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

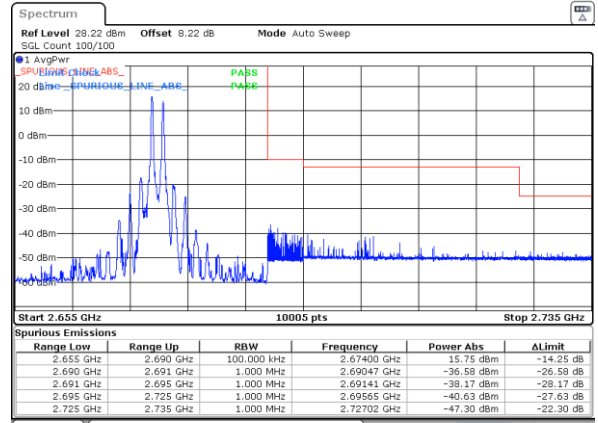
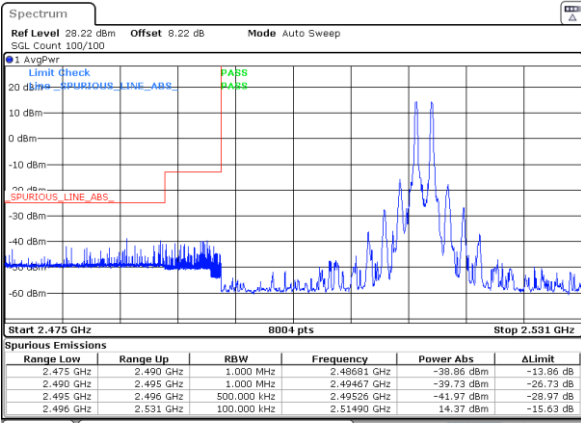


Date: 8.APR.2024 03:22:19

Date: 8.APR.2024 03:34:59

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

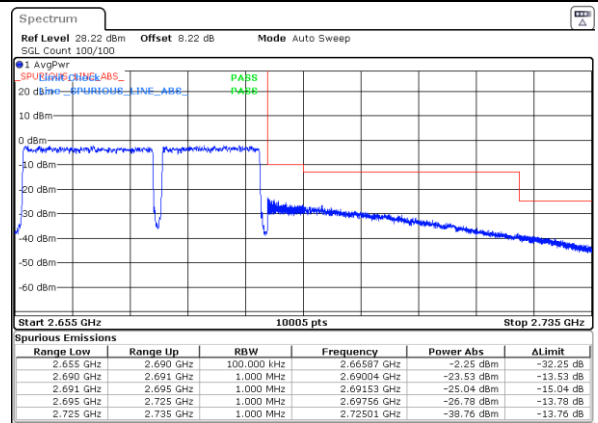
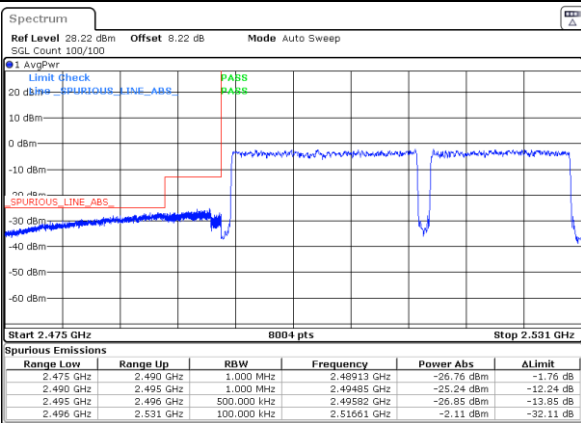


Date: 8.APR.2024 03:19:07

Date: 8.APR.2024 03:31:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.APR.2024 03:25:31

Date: 8.APR.2024 03:38:10

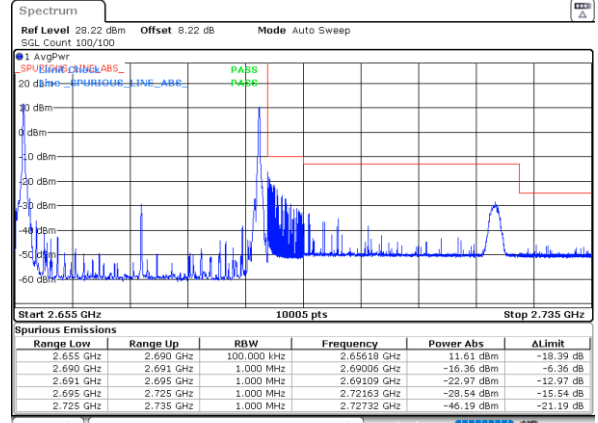
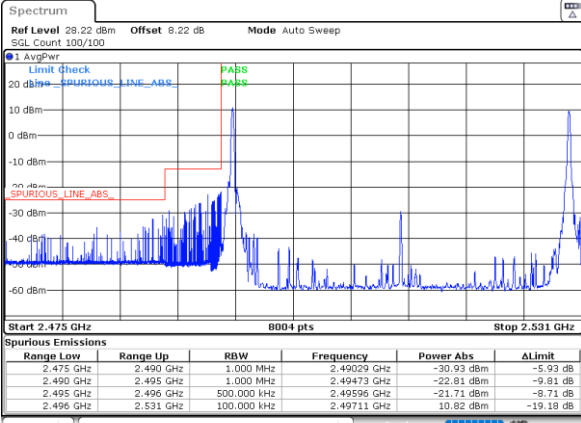


LTE Band 41C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

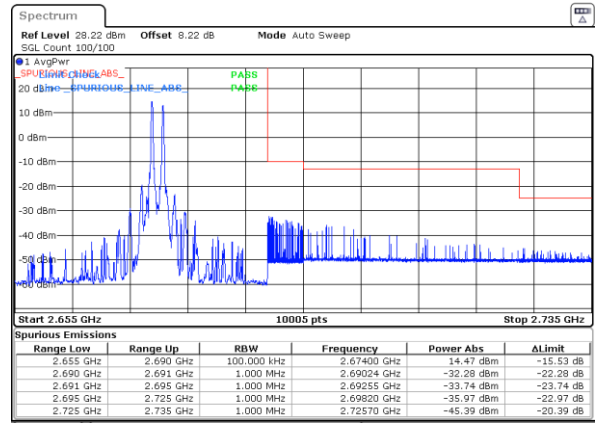
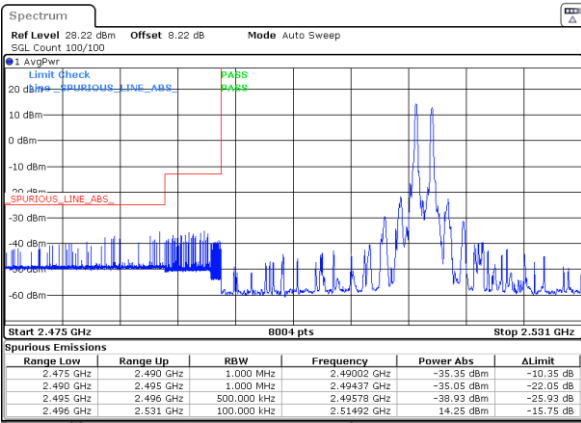


Date: 8.APR.2024 03:23:07

Date: 8.APR.2024 03:35:46

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

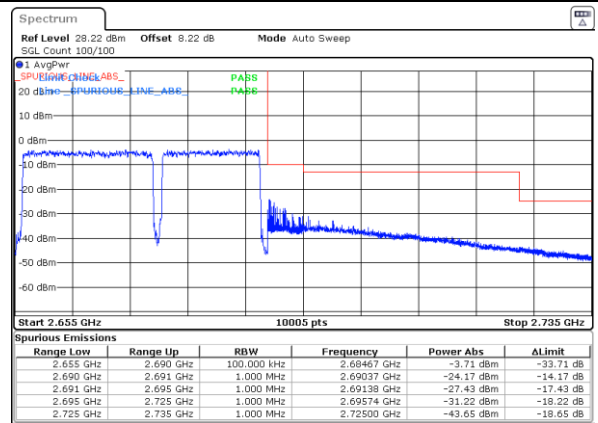
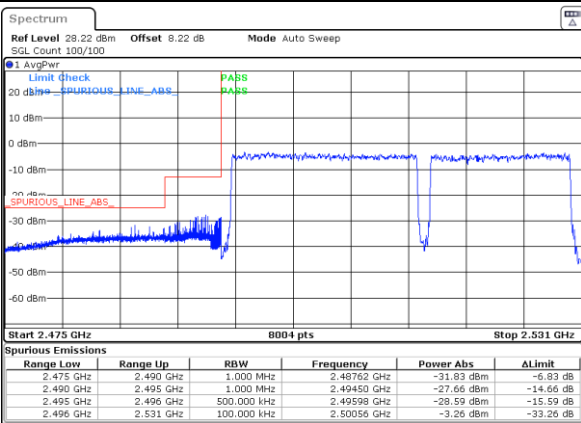


Date: 8.APR.2024 03:19:55

Date: 8.APR.2024 03:32:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.APR.2024 03:26:18

Date: 8.APR.2024 03:38:57

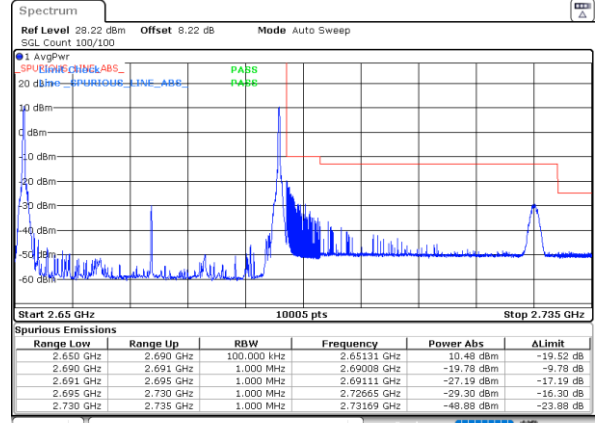
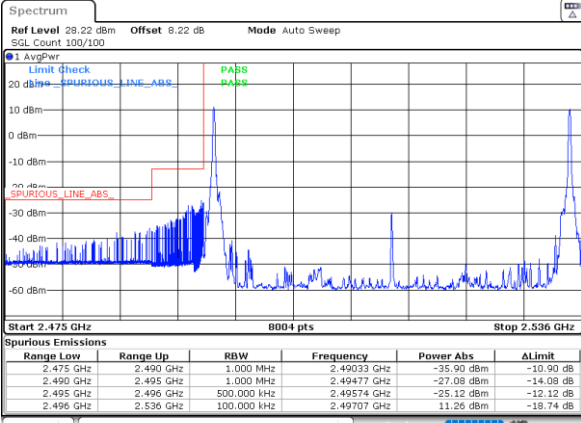


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

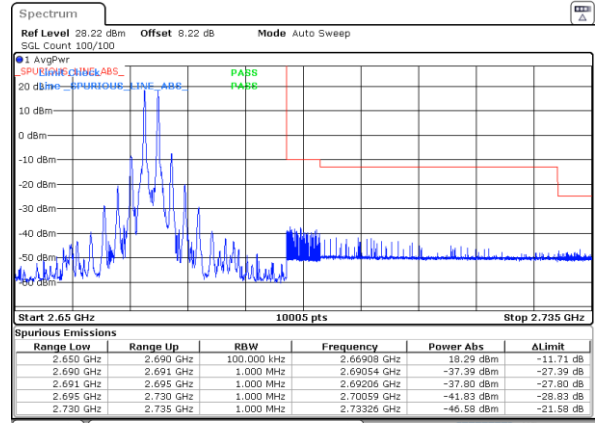
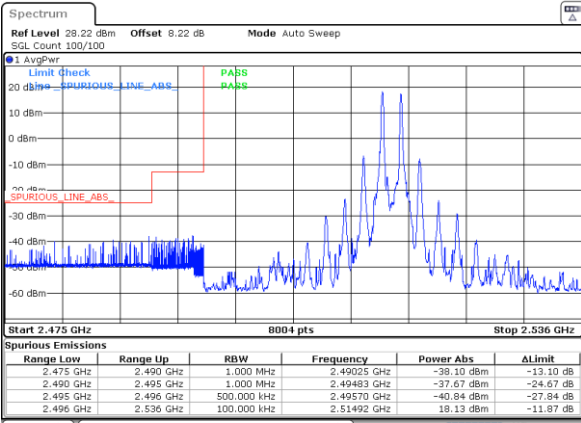


Date: 8.APR.2024 03:44:30

Date: 8.APR.2024 03:57:10

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

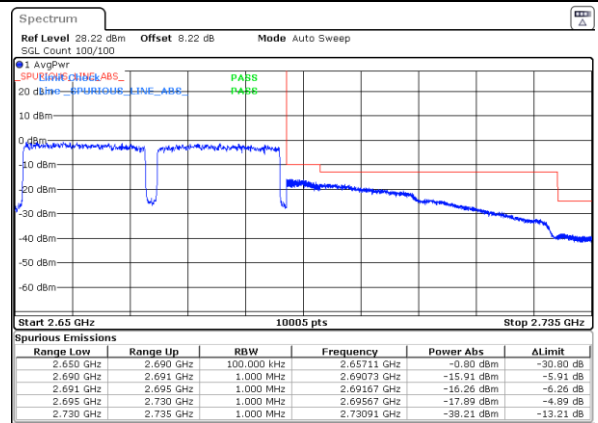
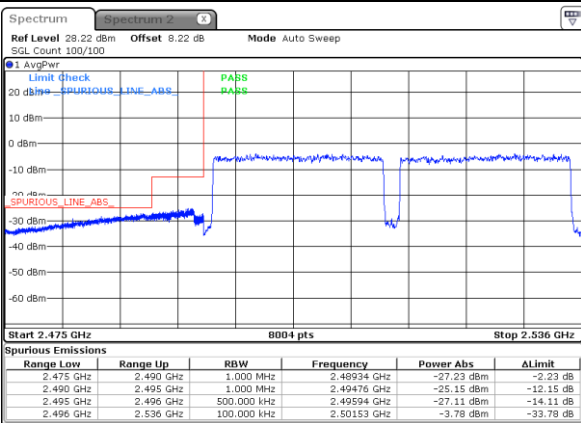


Date: 8.APR.2024 03:41:19

Date: 8.APR.2024 03:53:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.APR.2024 19:40:17

Date: 8.APR.2024 04:00:21



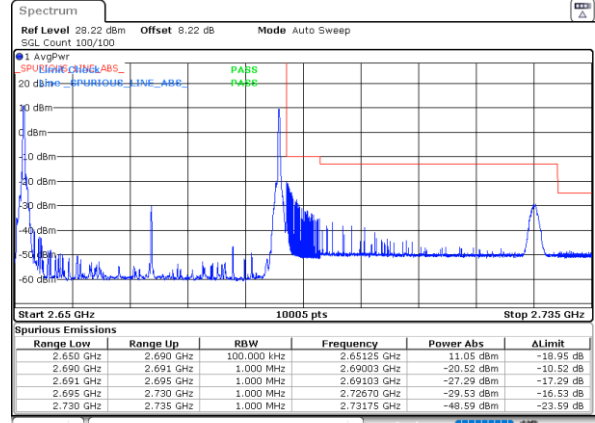
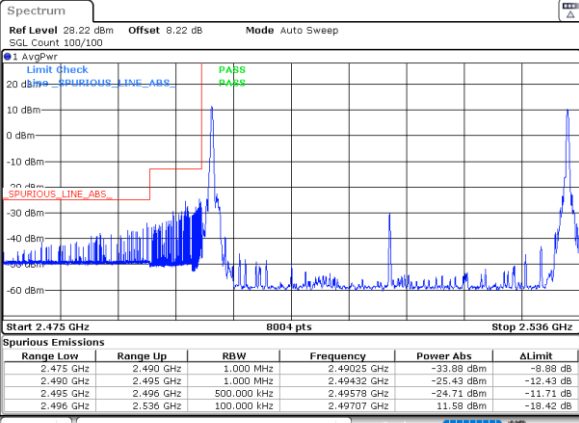


LTE Band 41C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

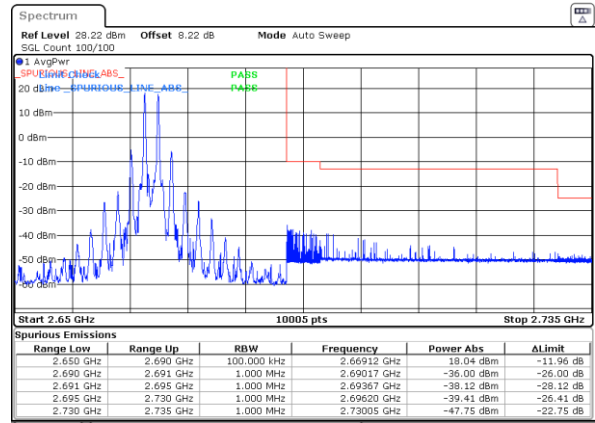
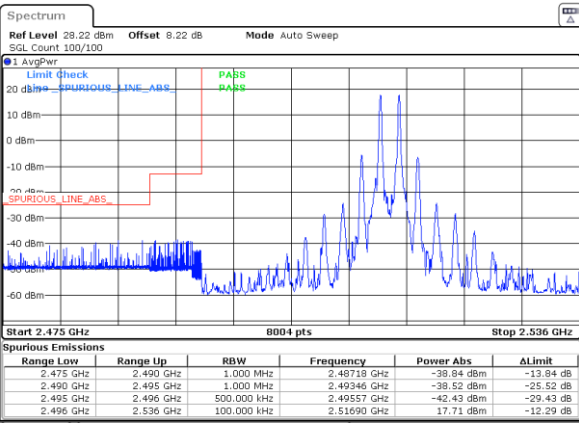


Date: 8.APR.2024 03:45:18

Date: 8.APR.2024 03:57:58

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

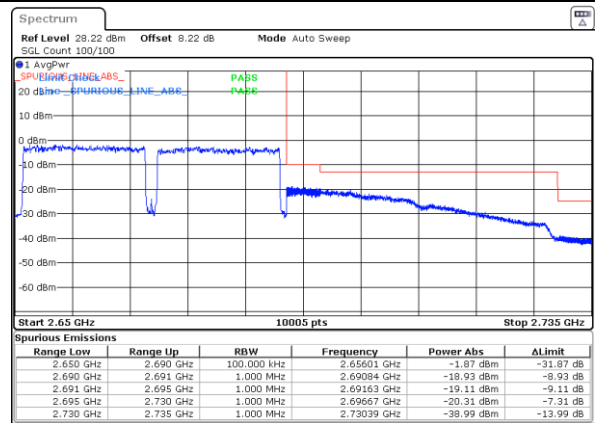
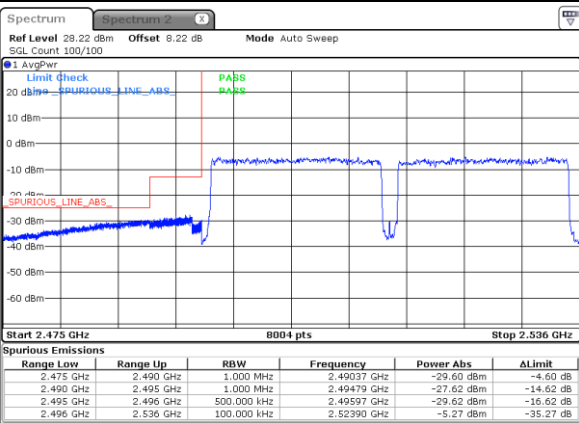


Date: 8.APR.2024 03:42:07

Date: 8.APR.2024 03:54:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.APR.2024 19:41:02

Date: 8.APR.2024 04:01:09



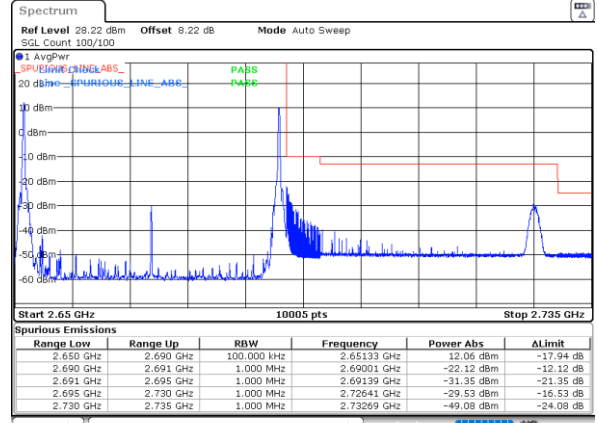
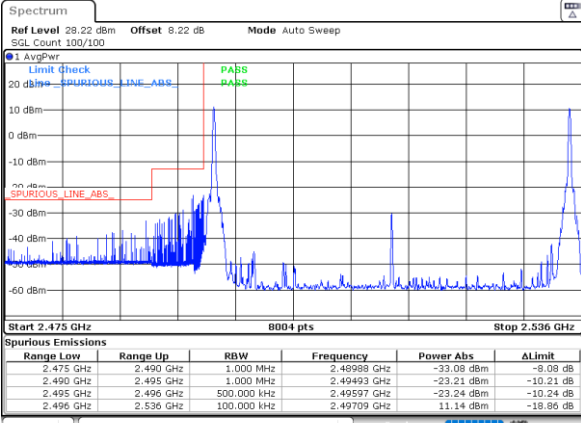


LTE Band 41C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

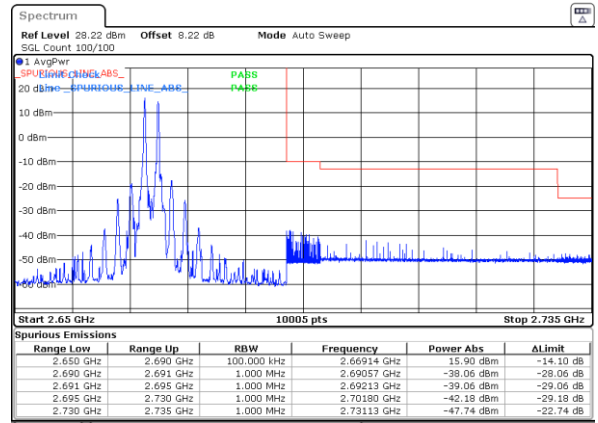
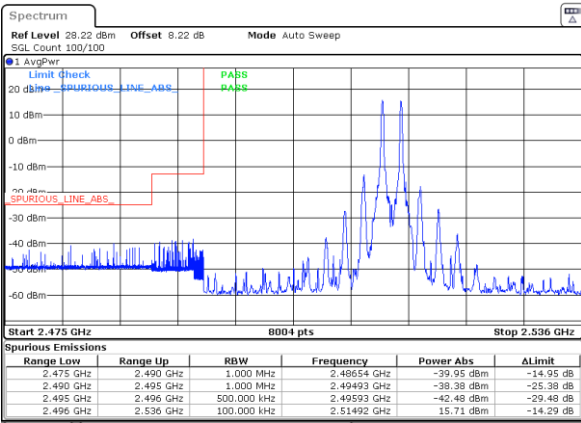


Date: 8.APR.2024 03:46:06

Date: 8.APR.2024 03:58:46

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

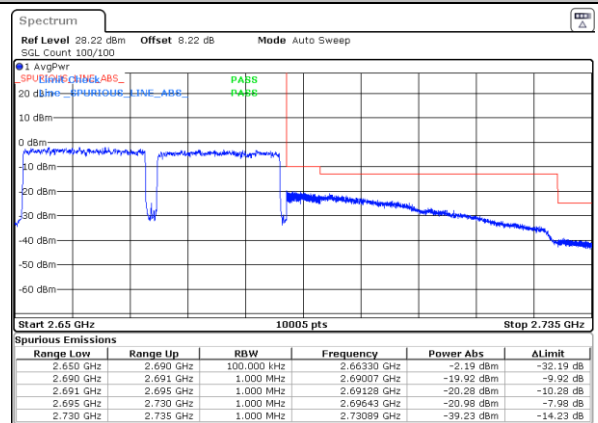
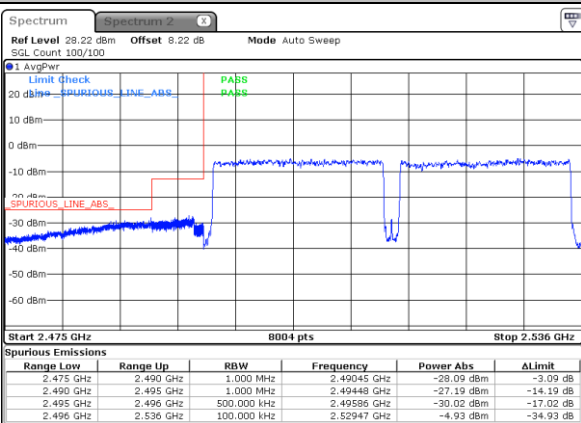


Date: 8.APR.2024 03:42:55

Date: 8.APR.2024 03:55:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.APR.2024 19:41:47

Date: 8.APR.2024 04:01:57

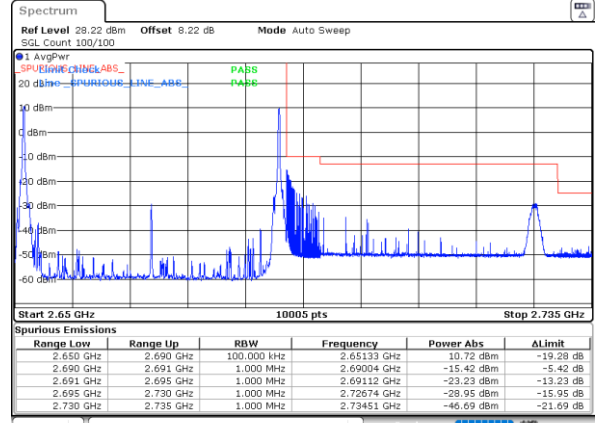
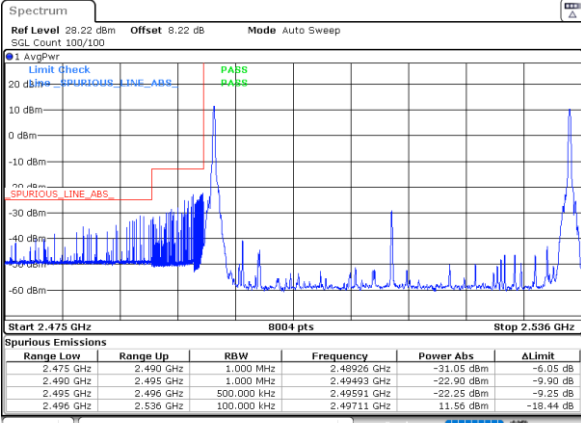


LTE Band 41C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

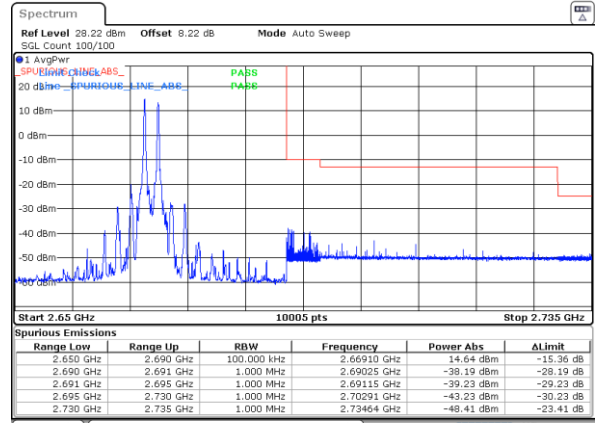
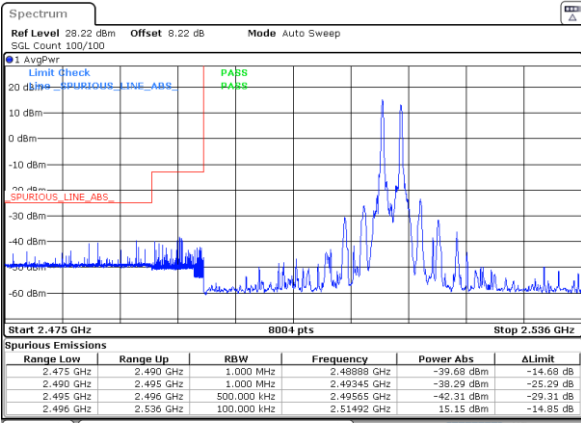


Date: 8.APR.2024 03:46:14

Date: 8.APR.2024 03:53:33

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

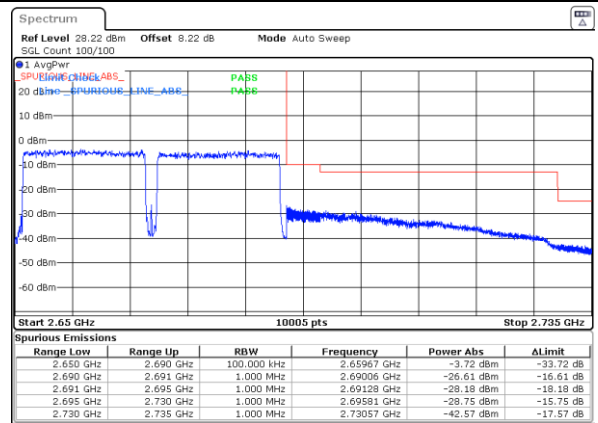
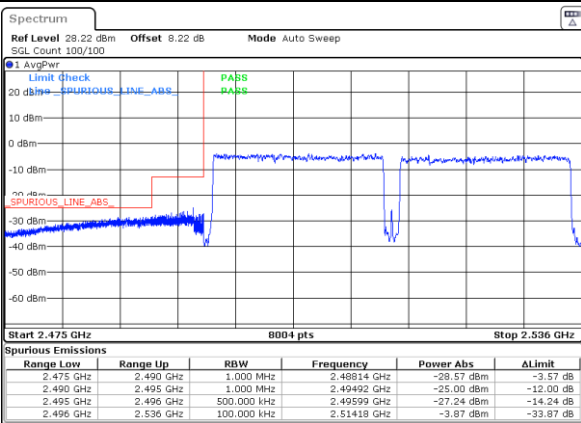


Date: 8.APR.2024 03:43:42

Date: 8.APR.2024 03:56:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.APR.2024 03:50:06

Date: 8.APR.2024 04:02:44

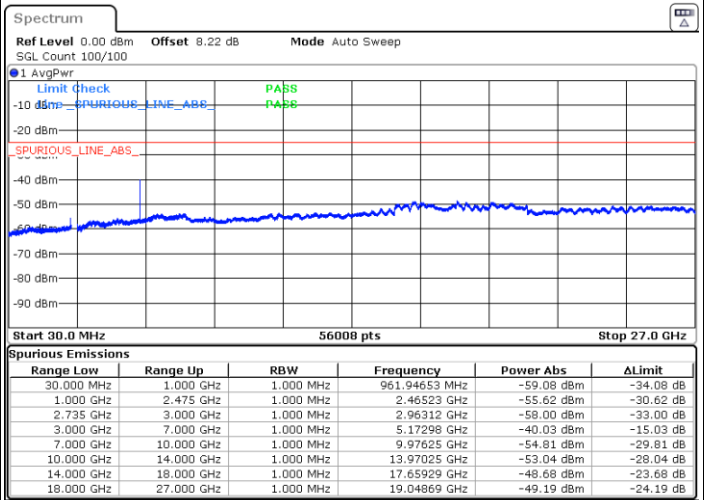
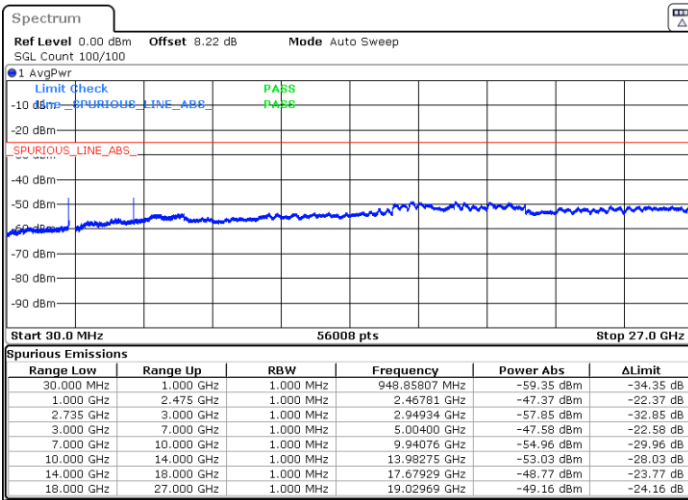


# Conducted Spurious Emission

## LTE Band 41C / 5MHz+20MHz

### Lowest Channel / QPSK

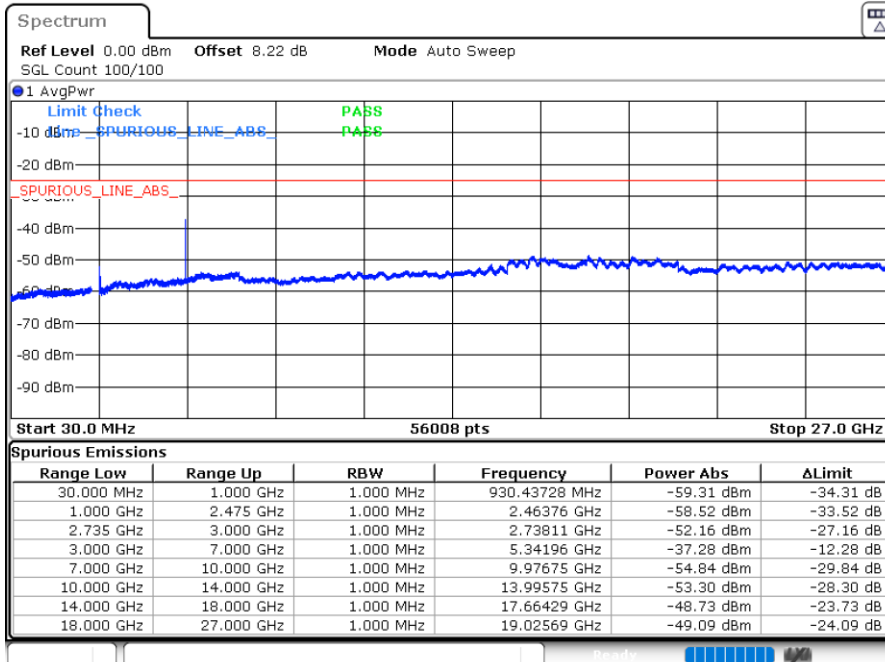
### Middle Channel / QPSK



Date: 7.APR.2024 23:26:53

Date: 7.APR.2024 23:37:52

### Highest Channel / QPSK



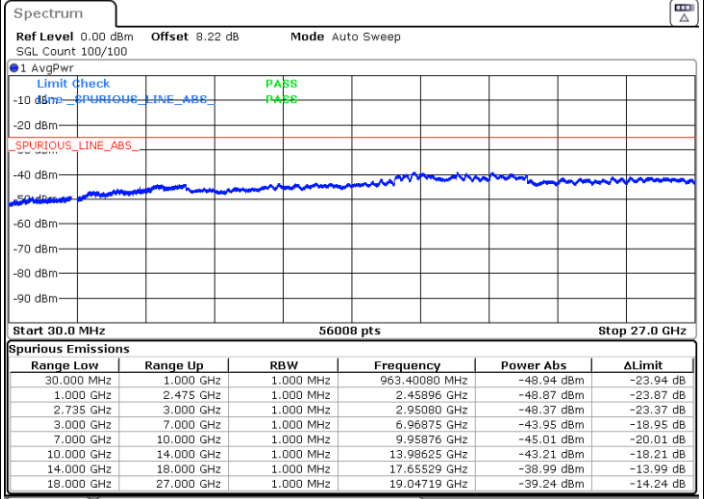
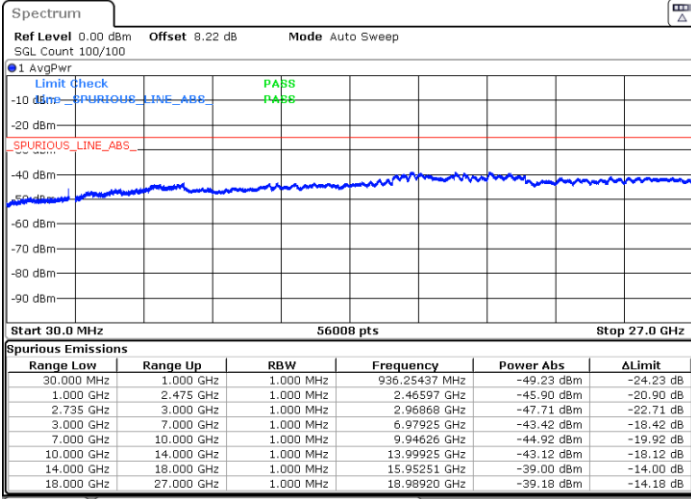
Date: 7.APR.2024 23:39:25



LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

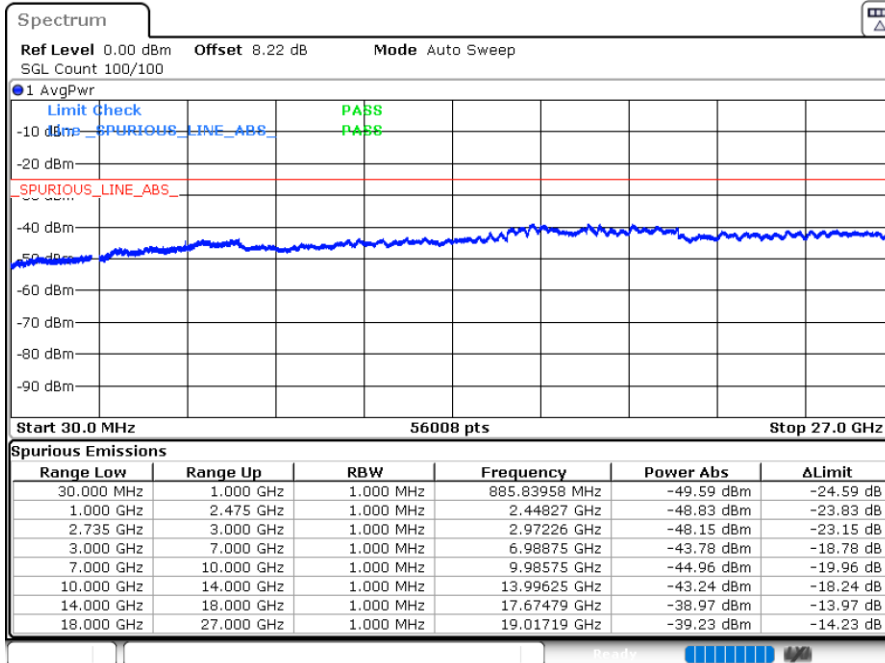
Middle Channel / QPSK



Date: 8.APR.2024 00:30:49

Date: 8.APR.2024 00:41:45

Highest Channel / QPSK



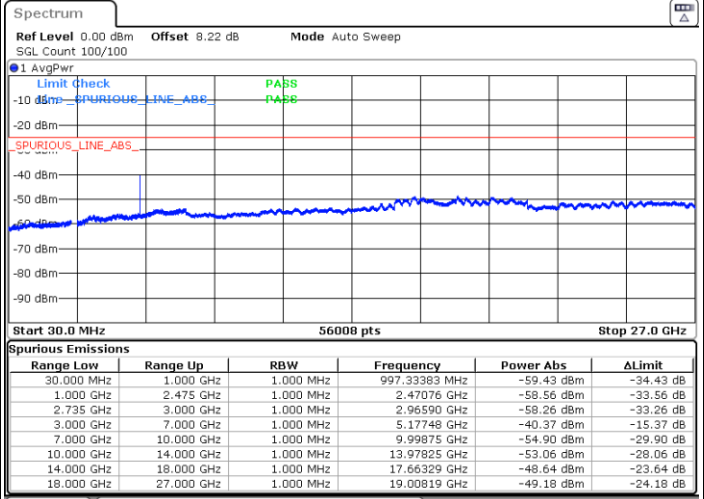
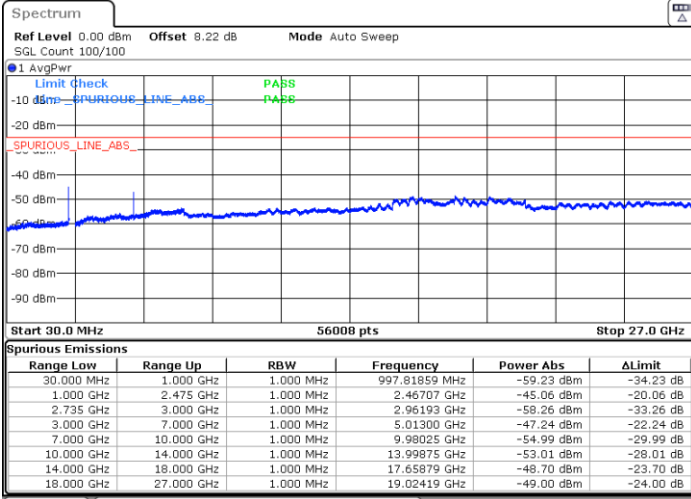
Date: 8.APR.2024 00:43:17



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

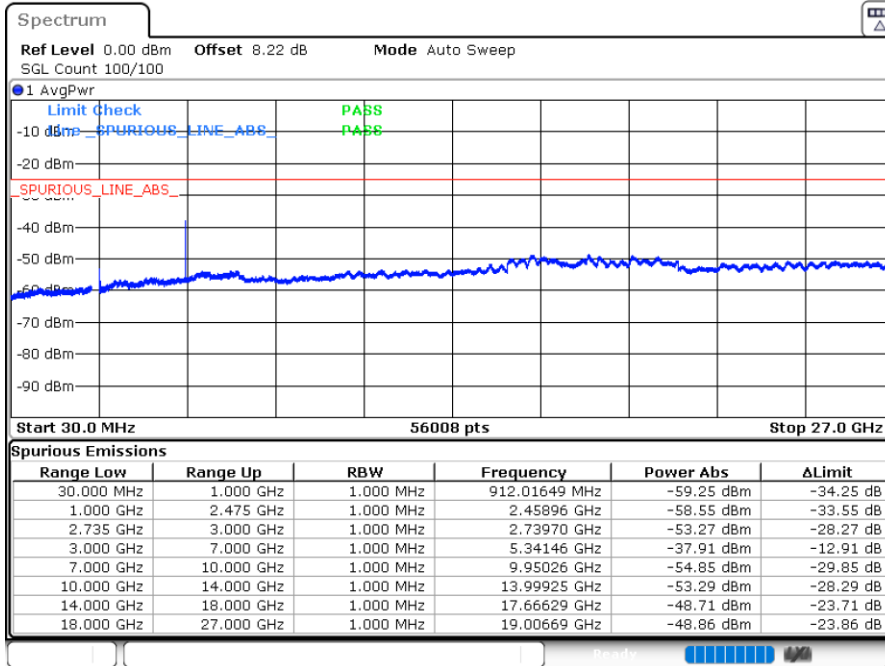
Middle Channel / QPSK



Date: 8.APR.2024 00:54:20

Date: 8.APR.2024 01:05:25

Highest Channel / QPSK



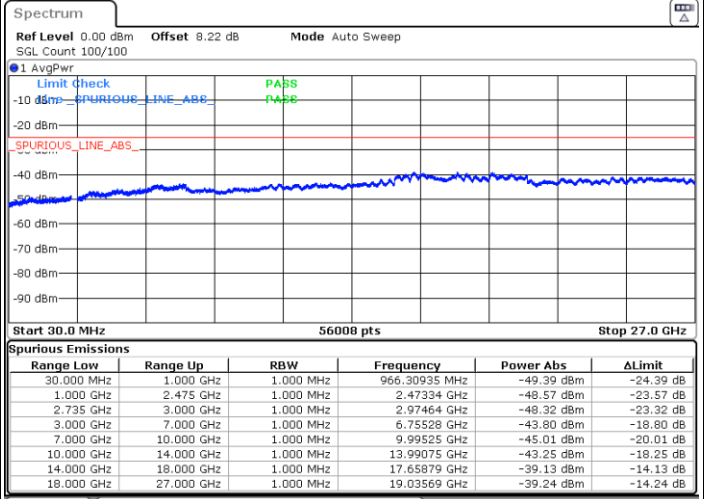
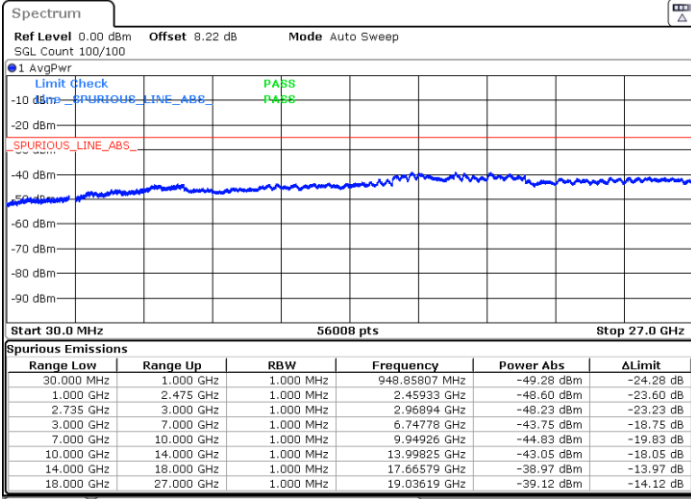
Date: 8.APR.2024 01:06:57



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

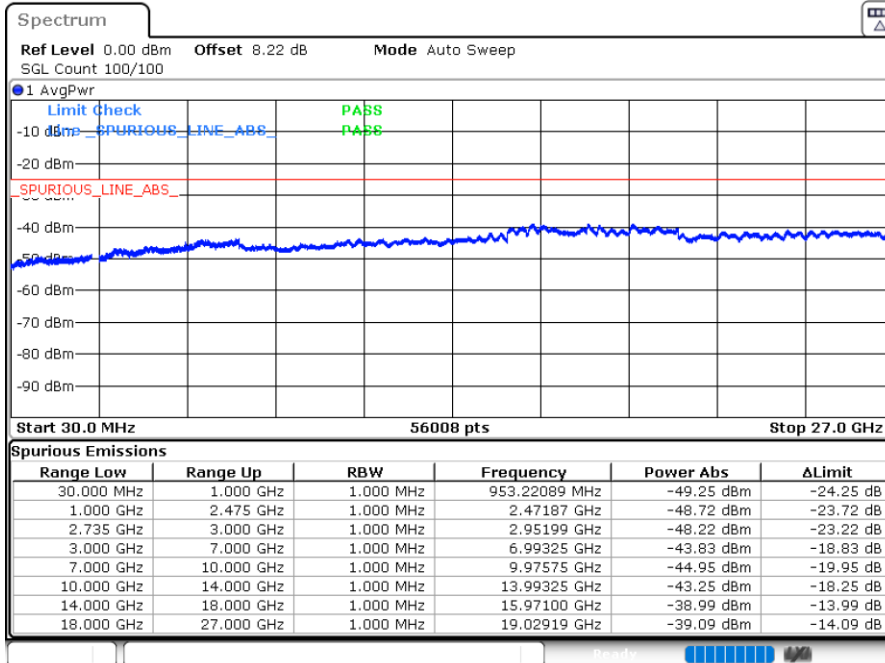
Middle Channel / QPSK



Date: 8.APR.2024 01:18:12

Date: 8.APR.2024 01:29:08

Highest Channel / QPSK



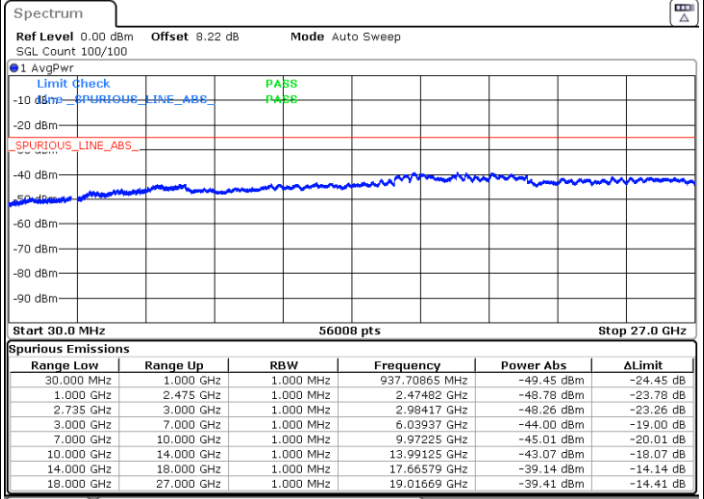
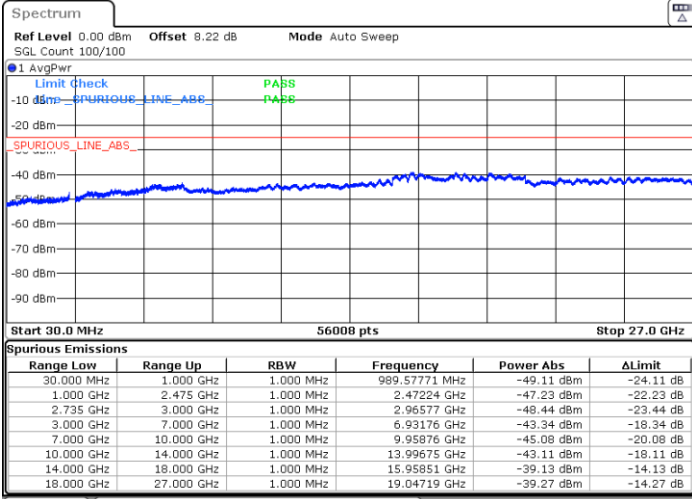
Date: 8.APR.2024 01:30:40



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

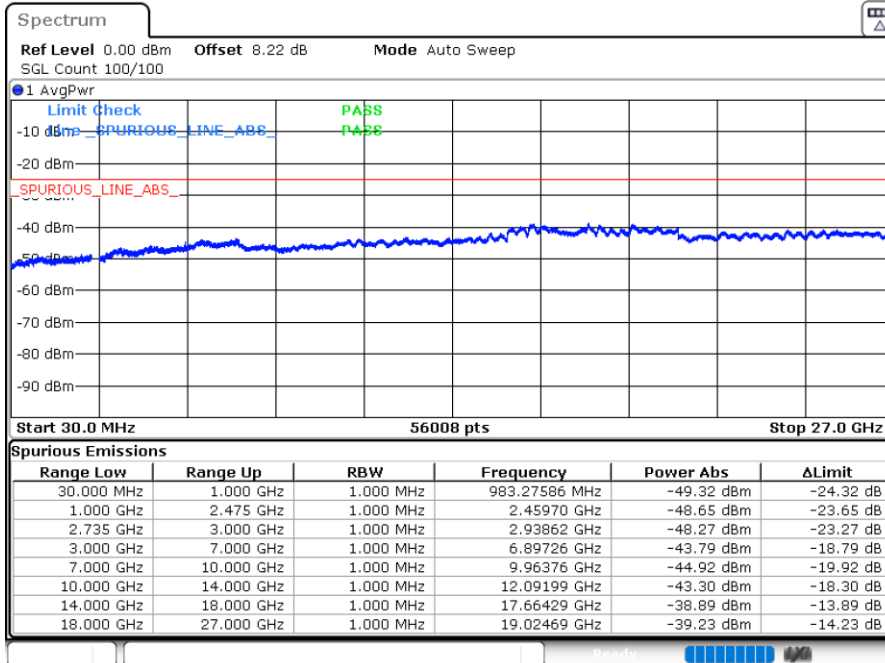
Middle Channel / QPSK



Date: 8.APR.2024 01:41:45

Date: 8.APR.2024 01:52:52

Highest Channel / QPSK



Date: 8.APR.2024 01:54:25

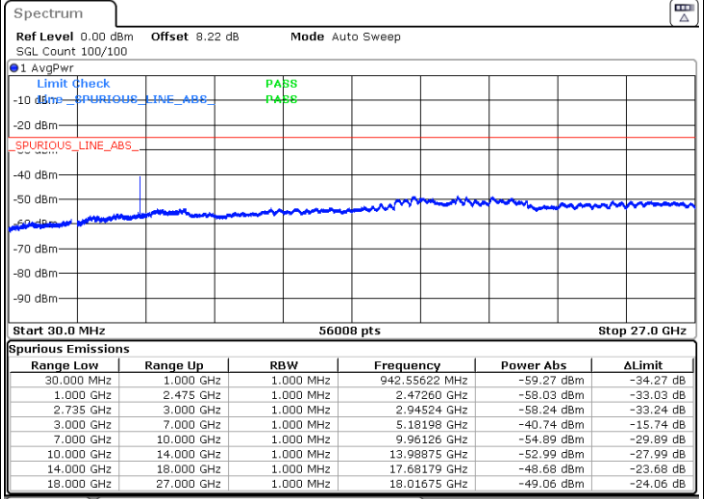
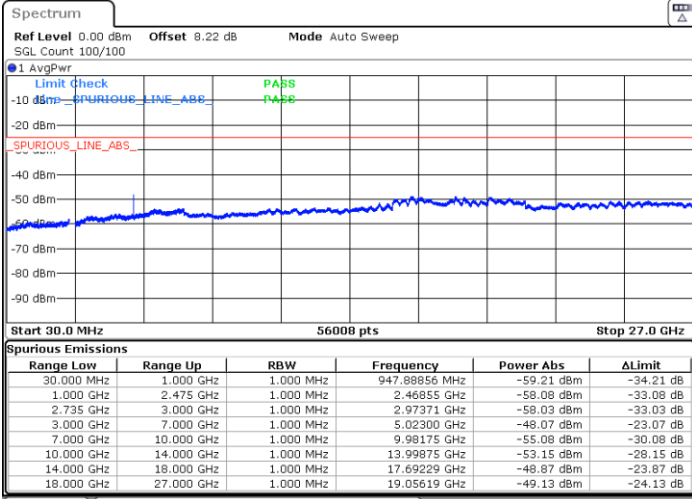




LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

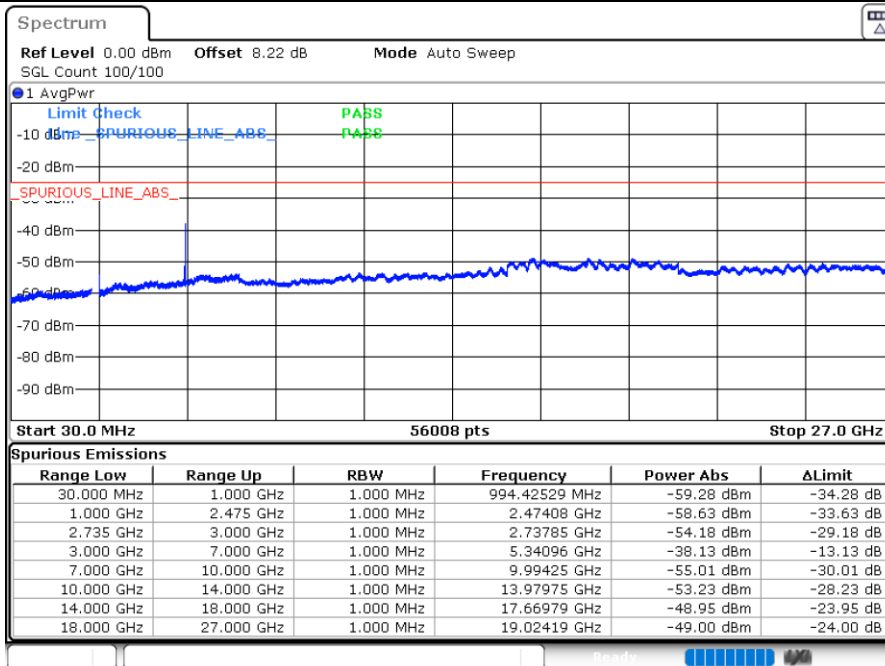
Middle Channel / QPSK



Date: 8.APR.2024 02:05:29

Date: 8.APR.2024 02:16:36

Highest Channel / QPSK



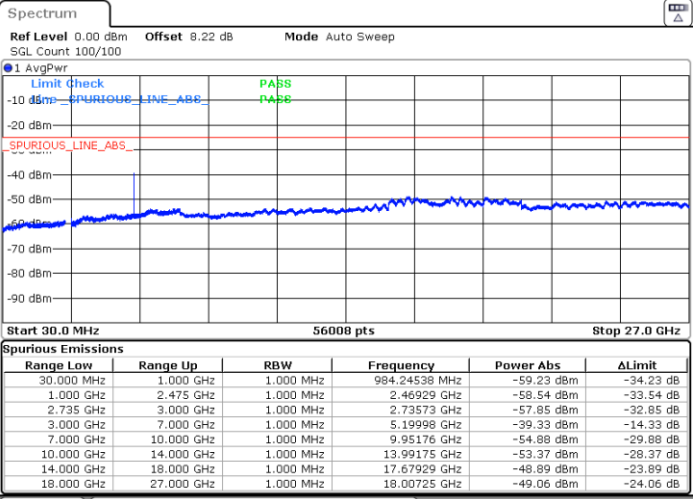
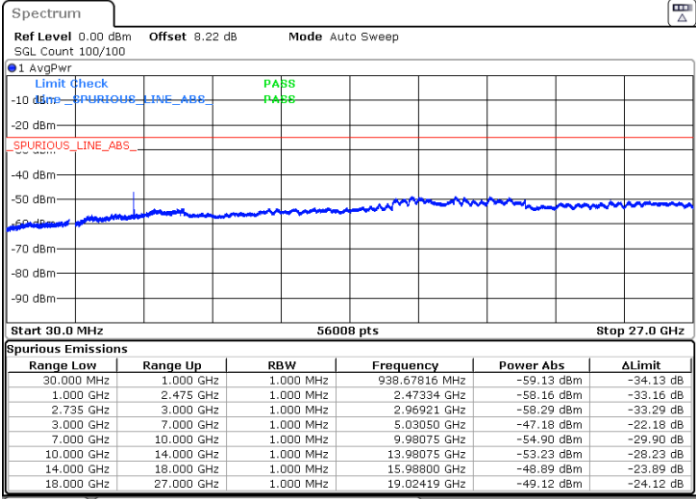
Date: 8.APR.2024 02:18:08



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

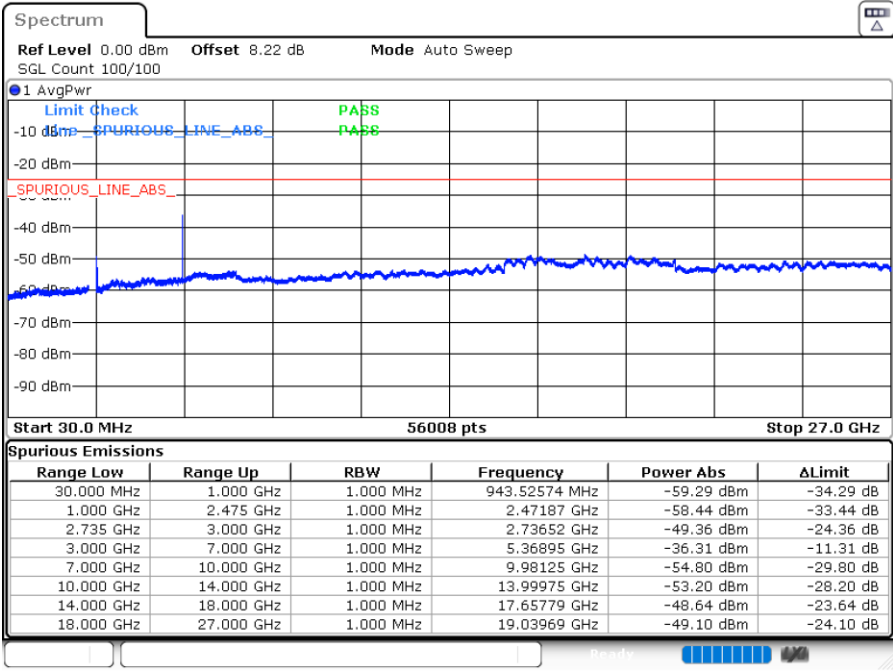
Middle Channel / QPSK



Date: 8.APR.2024 02:29:23

Date: 8.APR.2024 02:40:20

Highest Channel / QPSK



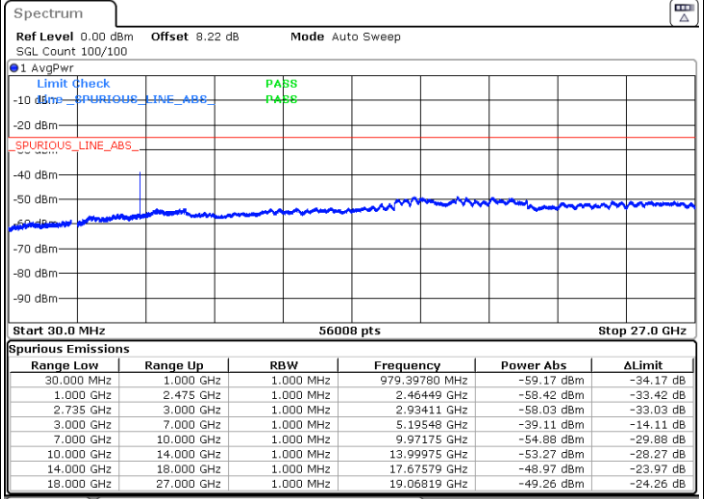
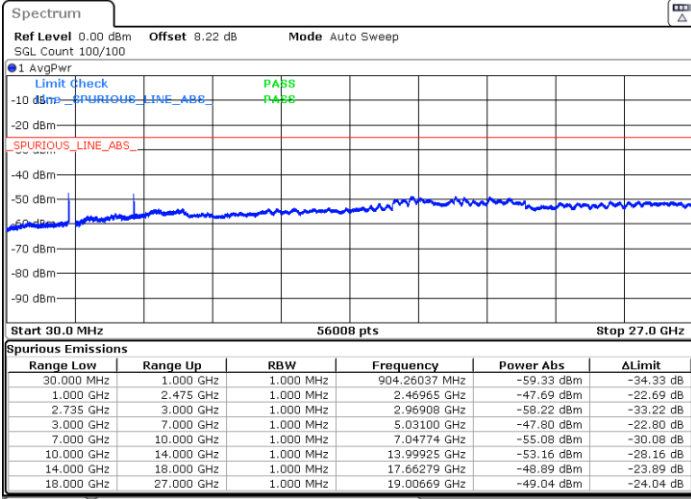
Date: 8.APR.2024 02:41:53



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

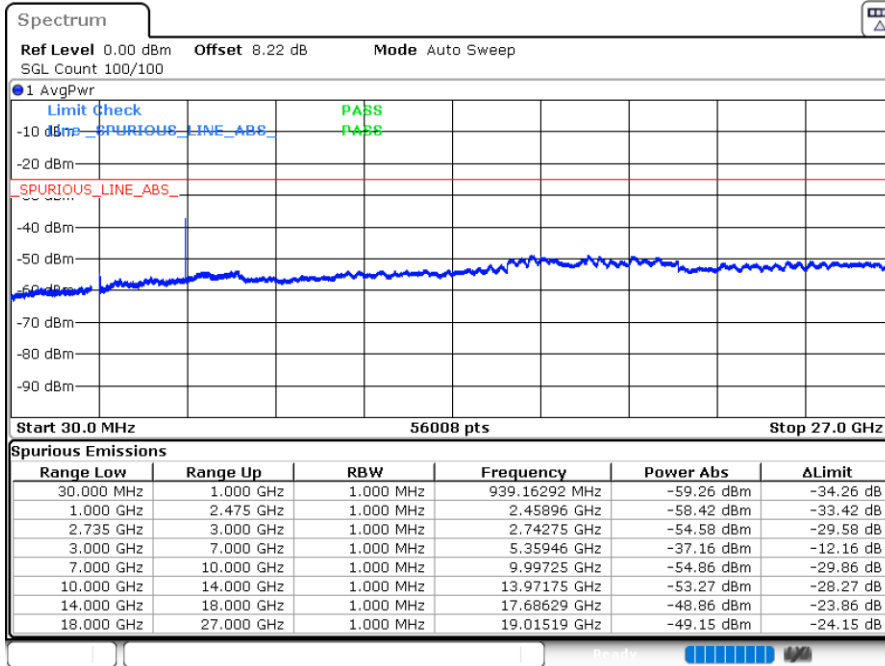
Middle Channel / QPSK



Date: 8.APR.2024 02:52:59

Date: 8.APR.2024 03:04:05

Highest Channel / QPSK



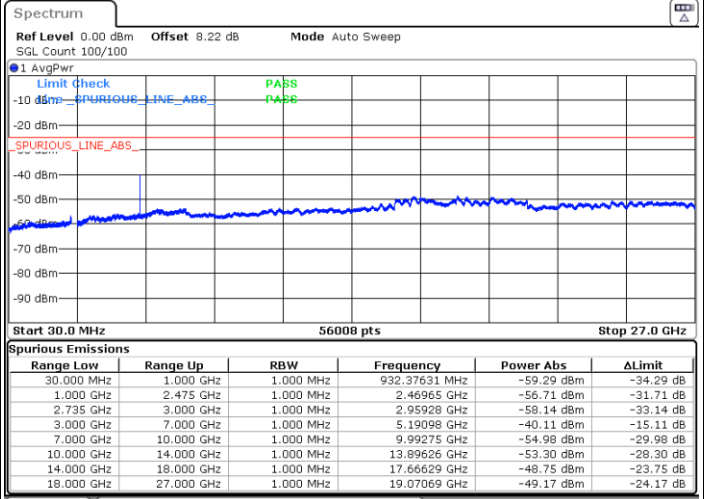
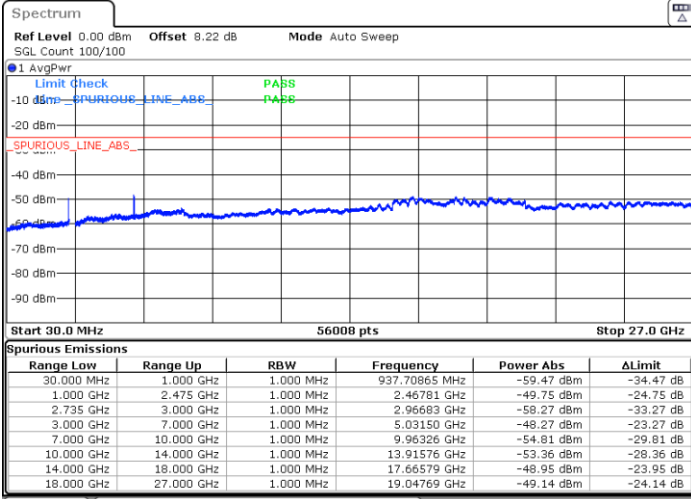
Date: 8.APR.2024 03:05:38



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

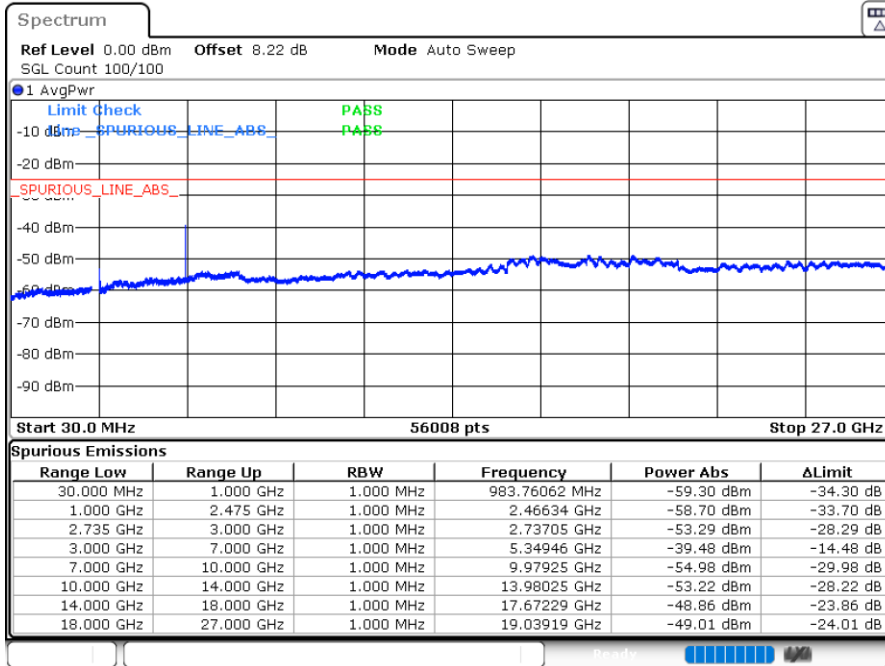
Middle Channel / QPSK



Date: 8.APR.2024 03:16:44

Date: 8.APR.2024 03:27:52

Highest Channel / QPSK



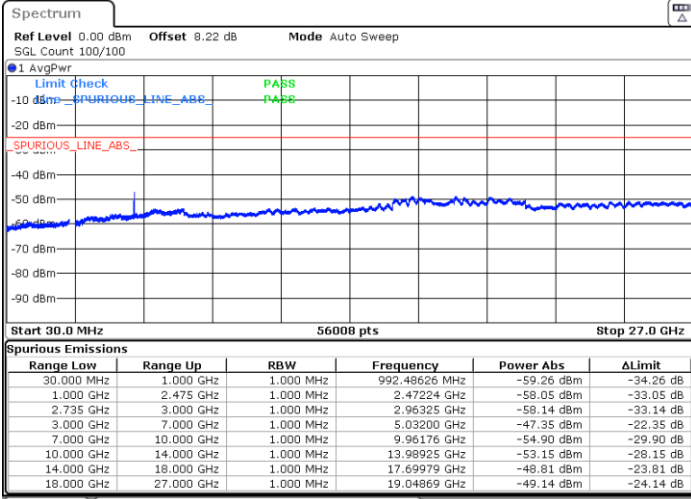
Date: 8.APR.2024 03:29:24



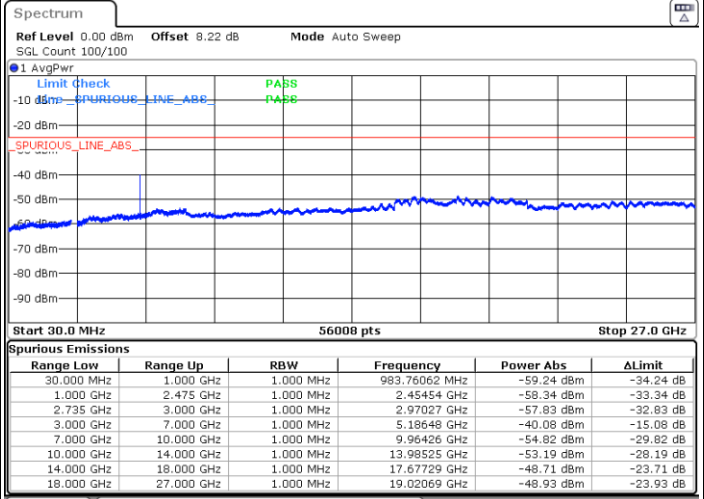
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

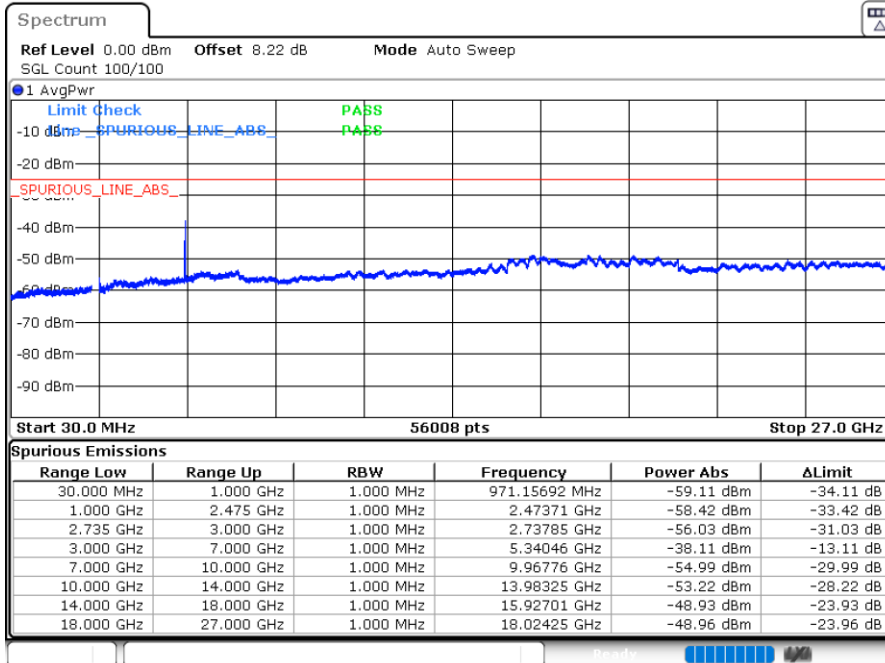


Date: 8.APR.2024 03:40:31



Date: 8.APR.2024 03:51:39

Highest Channel / QPSK



Date: 8.APR.2024 03:53:12



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0039	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 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 :	HuaCong Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 7 / 20MHz / QPSK / ANT1									
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	5052.18	-61.85	-25	-36.85	-79.27	-67.41	7.14	12.70	H
	7578.27	-56.10	-25	-31.10	-78.29	-59.40	8.30	11.60	H
	10104.36	-51.82	-25	-26.82	-78.91	-53.34	10.48	12.00	H
	5052.18	-61.95	-25	-36.95	-79.3	-67.51	7.14	12.70	V
	7578.27	-56.24	-25	-31.24	-78.23	-59.54	8.30	11.60	V
	10104.36	-51.92	-25	-26.92	-78.52	-53.44	10.48	12.00	V

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

LTE Band 7C / 20MHz+20MHz / QPSK / Ant1									
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	5070.00	-61.94	-25	-36.94	-79.38	-67.50	7.14	12.70	H
	7605.00	-56.21	-25	-31.21	-78.37	-59.51	8.30	11.60	H
	10140.00	-51.08	-25	-26.08	-78.16	-52.60	10.48	12.00	H
	5070.00	-62.12	-25	-37.12	-79.49	-67.68	7.14	12.70	V
	7605.00	-56.37	-25	-31.37	-78.31	-59.67	8.30	11.60	V
	10140.00	-51.80	-25	-26.80	-78.43	-53.32	10.48	12.00	V

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





LTE Band 41 / 20MHz / QPSK / ANT1									
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	5168.00	-61.71	-25	-36.71	-79.23	-67.27	7.14	12.70	H
	7752.00	-55.77	-25	-30.77	-78.43	-59.07	8.30	11.60	H
	10336.00	-51.30	-25	-26.30	-78.31	-52.82	10.48	12.00	H
	5168.00	-62.06	-25	-37.06	-79.53	-67.62	7.14	12.70	V
	7752.00	-55.51	-25	-30.51	-78.14	-58.81	8.30	11.60	V
	10336.00	-51.62	-25	-26.62	-78.4	-53.14	10.48	12.00	V

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

LTE Band 41C / 20MHz+20MHz / QPSK / Ant1									
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	5186.00	-61.89	-25	-36.89	-79.43	-67.45	7.14	12.70	H
	7779.00	-55.96	-25	-30.96	-78.72	-59.26	8.30	11.60	H
	10372.00	-51.19	-25	-26.19	-78.19	-52.71	10.48	12.00	H
	5186.00	-62.26	-25	-37.26	-79.75	-67.82	7.14	12.70	V
	7779.00	-55.86	-25	-30.86	-78.62	-59.16	8.30	11.60	V
	10372.00	-51.73	-25	-26.73	-78.55	-53.25	10.48	12.00	V

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