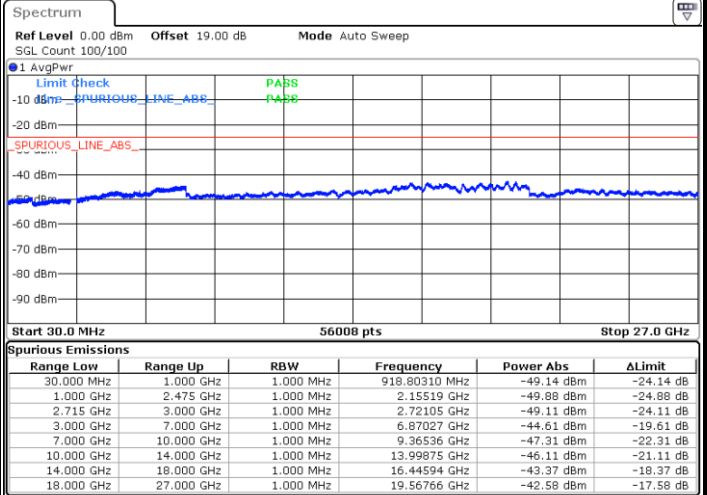
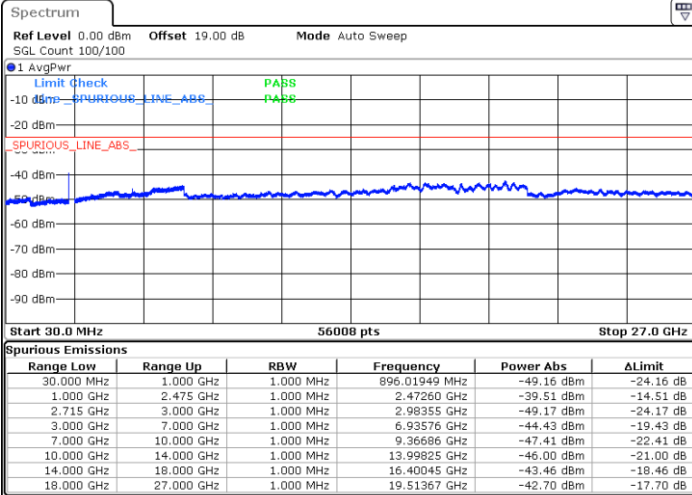




LTE Band 41 / 20MHz

Lowest Channel / QPSK

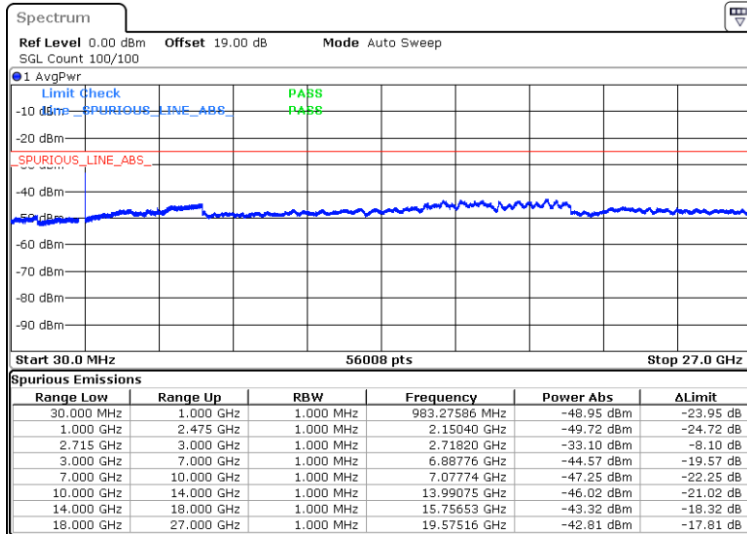
Middle Channel / QPSK



Date: 5 JUL 2023 15:22:37

Date: 5 JUL 2023 15:24:12

Highest Channel / QPSK



Date: 5 JUL 2023 15:40:11



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0047	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0053	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

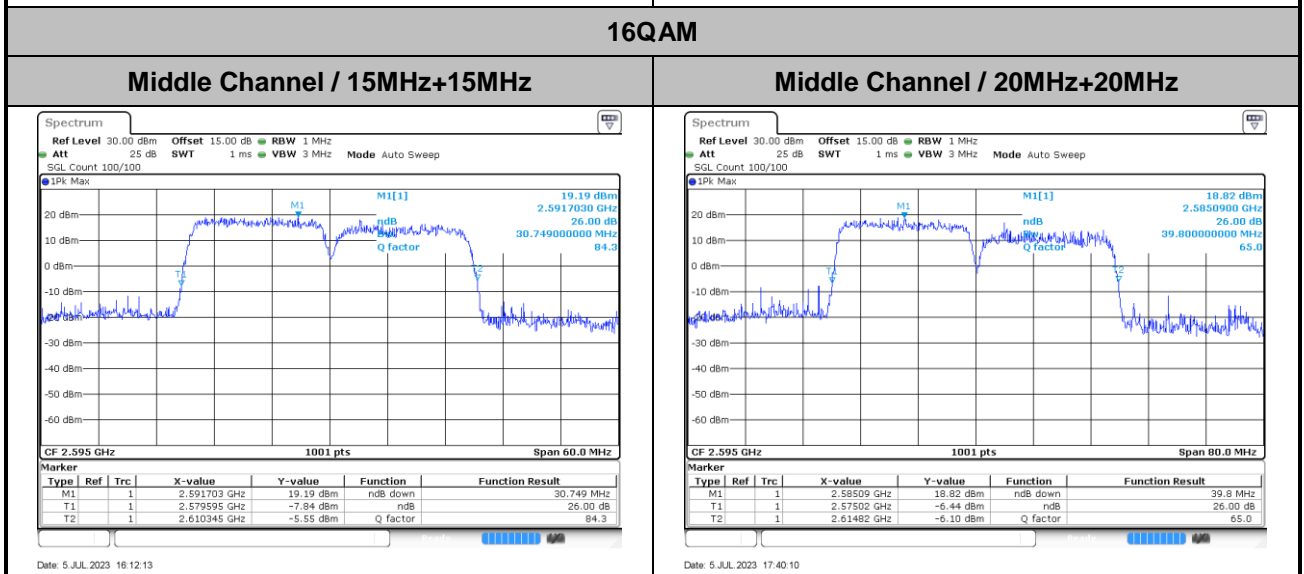
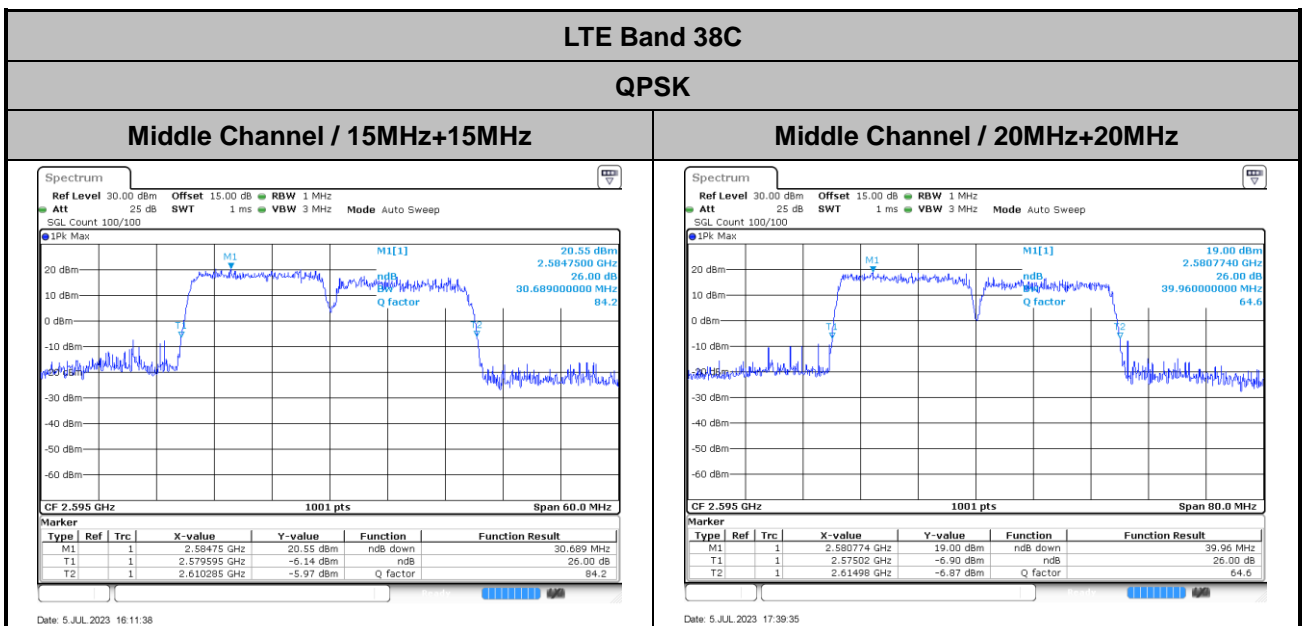
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.40 V. ; Maximum Voltage = 4.50 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38C

26dB Bandwidth

Mode	LTE Band 38C : 26dB BW(MHz)	
	QPSK	16QAM
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	30.69	30.75
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.96	39.80





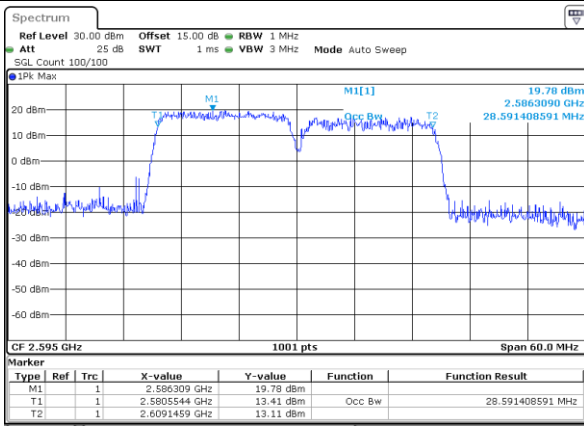
Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)	
	QPSK	16QAM
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	28.59	28.53
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.72	37.80

LTE Band 38C

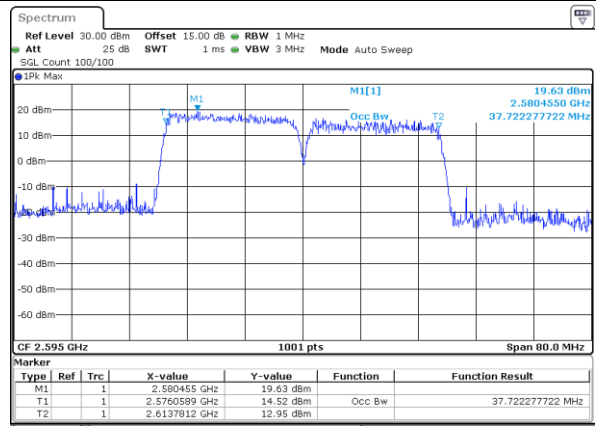
QPSK

Middle Channel / 15MHz+15MHz



Date: 5 JUL 2023 16:11:03

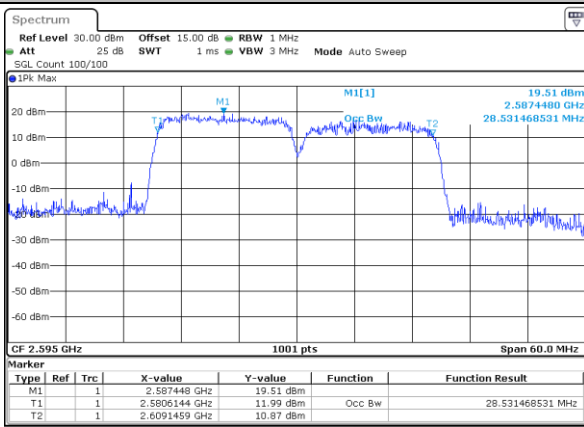
Middle Channel / 20MHz+20MHz



Date: 5 JUL 2023 17:39:00

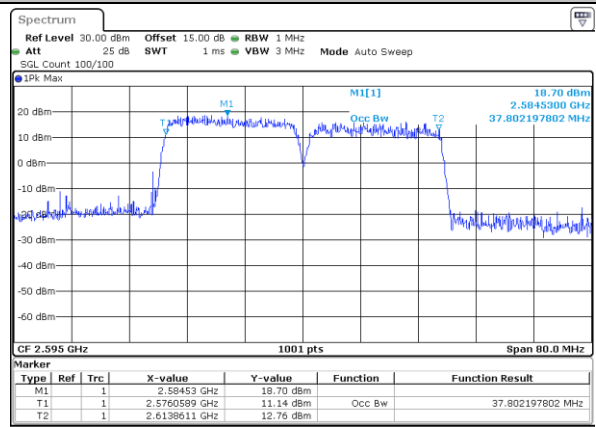
16QAM

Middle Channel / 15MHz+15MHz



Date: 5 JUL 2023 16:12:48

Middle Channel / 20MHz+20MHz



Date: 5 JUL 2023 17:40:45

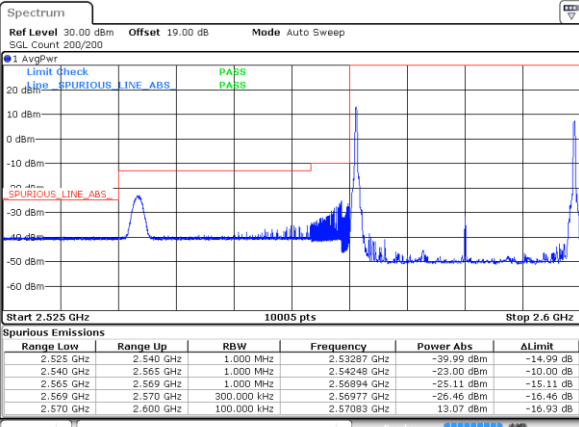


Conducted Band Edge

LTE Band 38C / 15MHz+15MHz

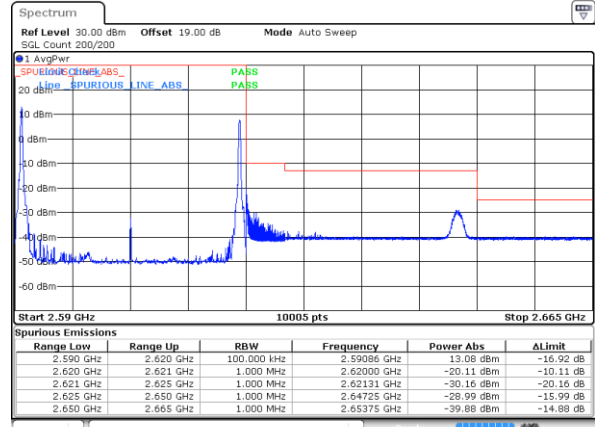
QPSK

Lowest Band Edge / 1RB0 and 1RB74



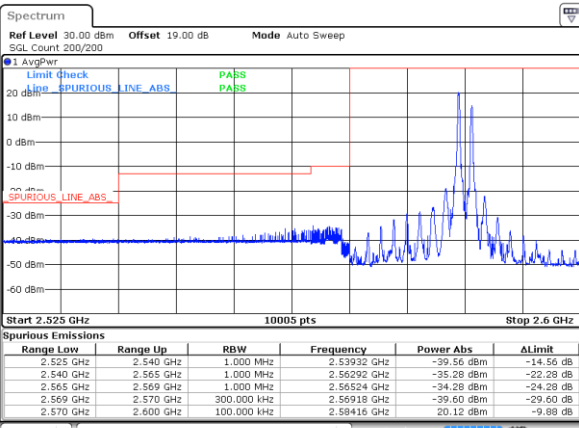
Date: 5 JUL 2023 16:45:06

Highest Band Edge / 1RB0 and 1RB74



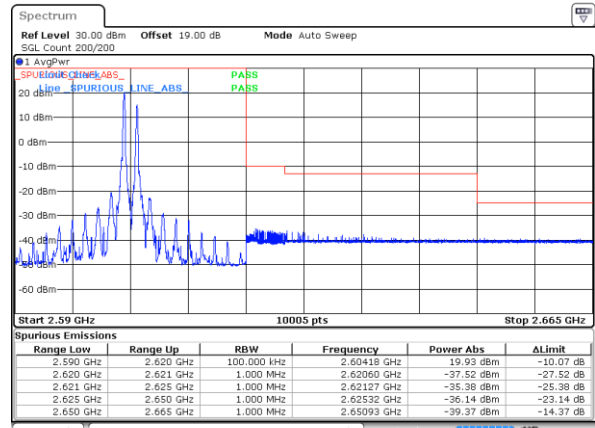
Date: 5 JUL 2023 16:30:31

Lowest Band Edge / 1RB74 and 1RB0



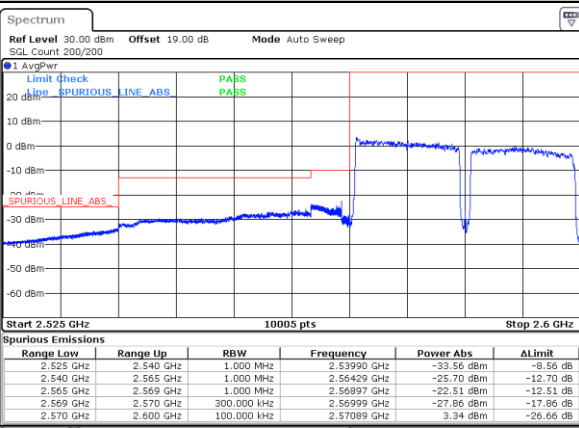
Date: 5 JUL 2023 16:55:31

Highest Band Edge / 1RB74 and 1RB0



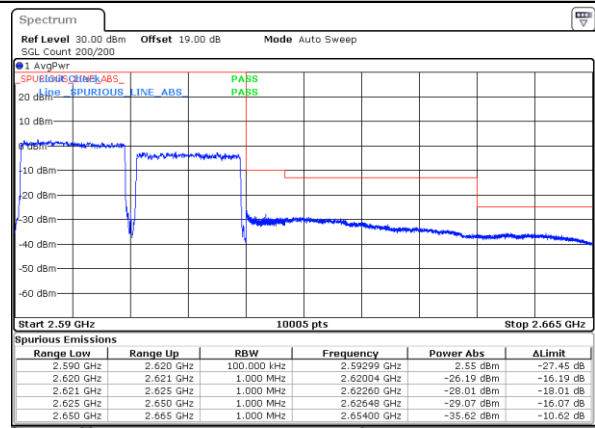
Date: 5 JUL 2023 16:20:07

Lowest Band Edge / Full RB



Date: 5 JUL 2023 16:43:01

Highest Band Edge / Full RB



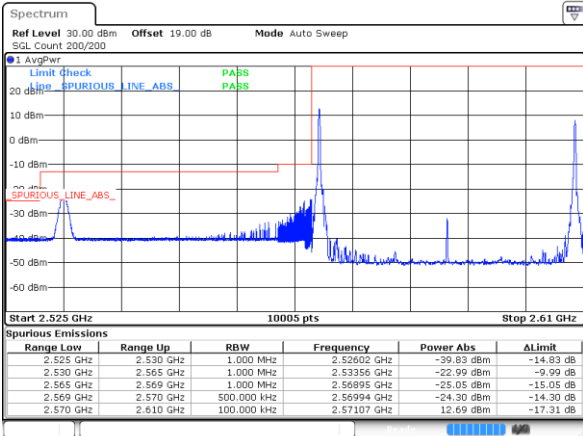
Date: 5 JUL 2023 16:32:36



LTE Band 38C / 20MHz+20MHz

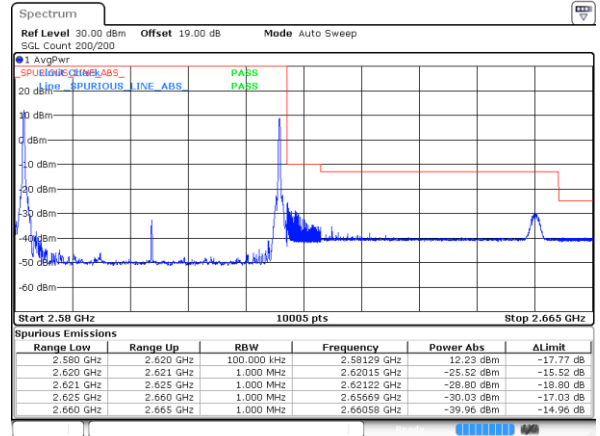
QPSK

Lowest Band Edge / 1RB0 and 1RB9



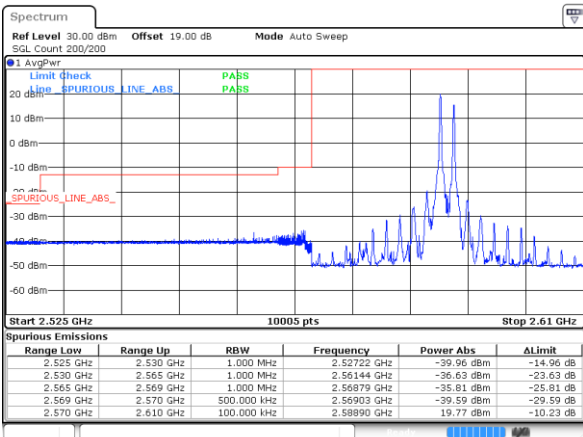
Date: 5 JUL 2023 17:08:10

Highest Band Edge / 1RB0 and 1RB9



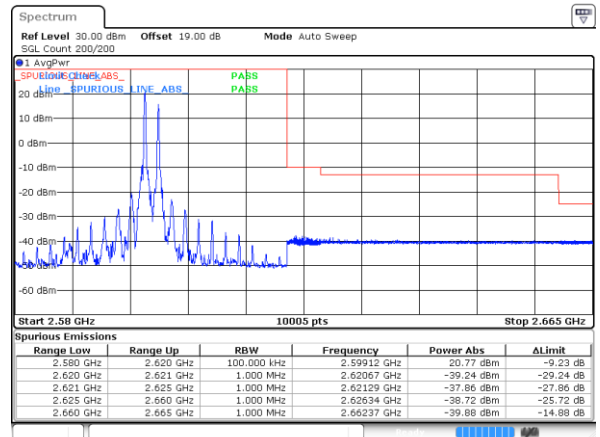
Date: 5 JUL 2023 17:22:43

Lowest Band Edge / 1RB99 and 1RB0



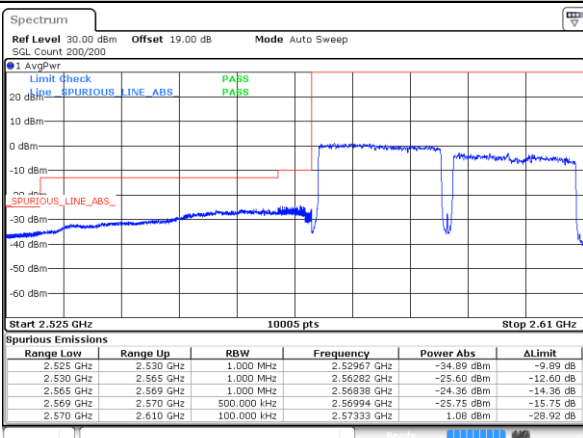
Date: 5 JUL 2023 16:57:40

Highest Band Edge / 1RB99 and 1RB0



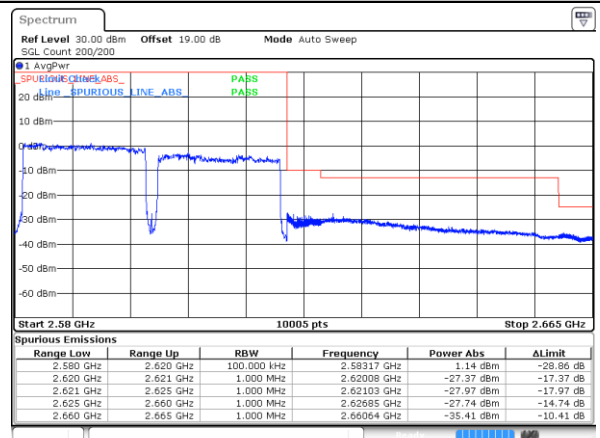
Date: 5 JUL 2023 17:33:07

Lowest Band Edge / Full RB



Date: 5 JUL 2023 17:10:15

Highest Band Edge / Full RB



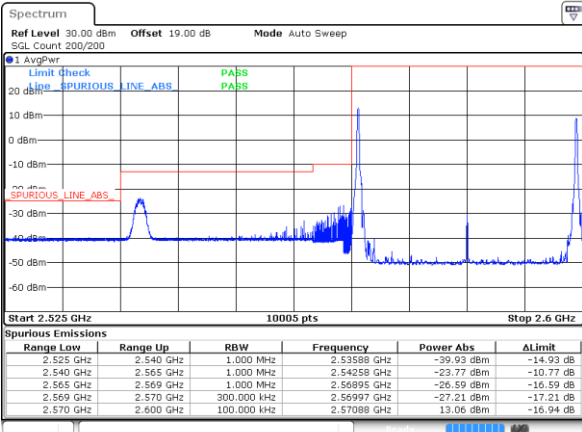
Date: 5 JUL 2023 17:20:39



LTE Band 38C / 15MHz+15MHz

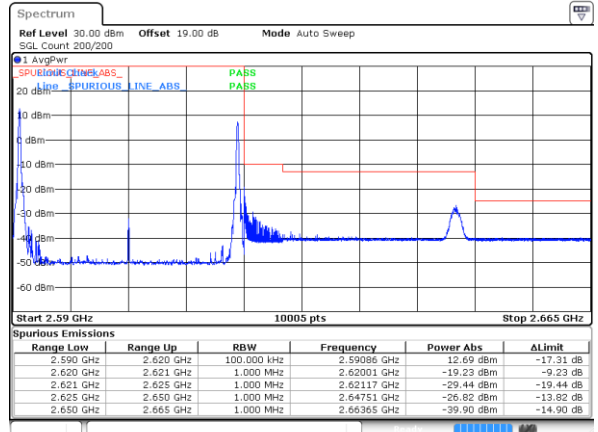
16QAM

Lowest Band Edge / 1RB0 and 1RB74



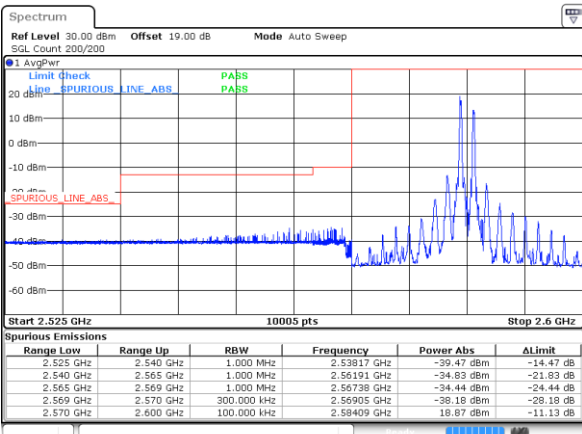
Date: 5 JUL 2023 16:47:11

Highest Band Edge / 1RB0 and 1RB74



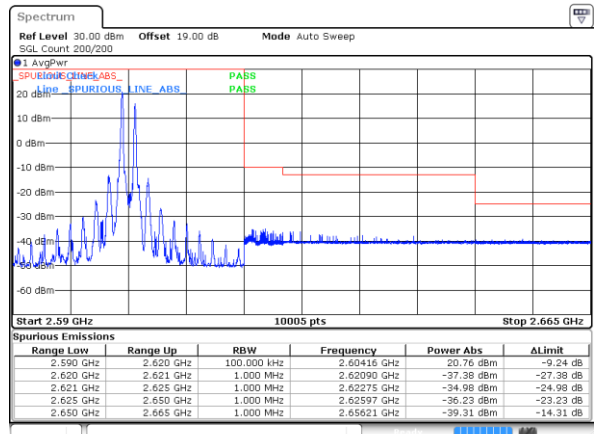
Date: 5 JUL 2023 16:28:26

Lowest Band Edge / 1RB74 and 1RB0



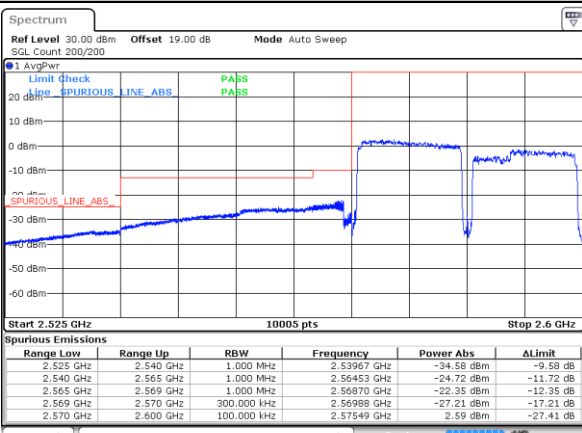
Date: 5 JUL 2023 16:53:26

Highest Band Edge / 1RB74 and 1RB0



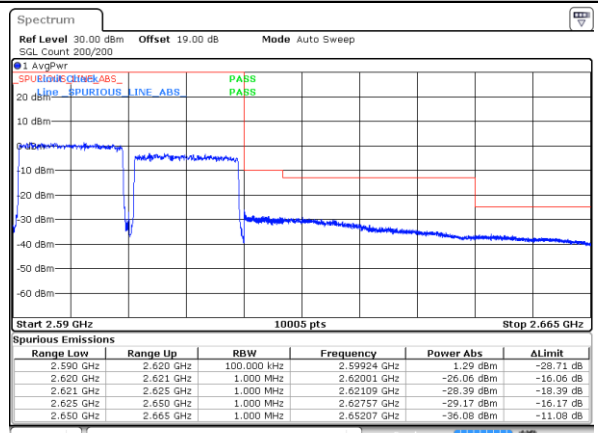
Date: 5 JUL 2023 16:22:12

Lowest Band Edge / Full RB



Date: 5 JUL 2023 16:40:56

Highest Band Edge / Full RB



Date: 5 JUL 2023 16:34:40

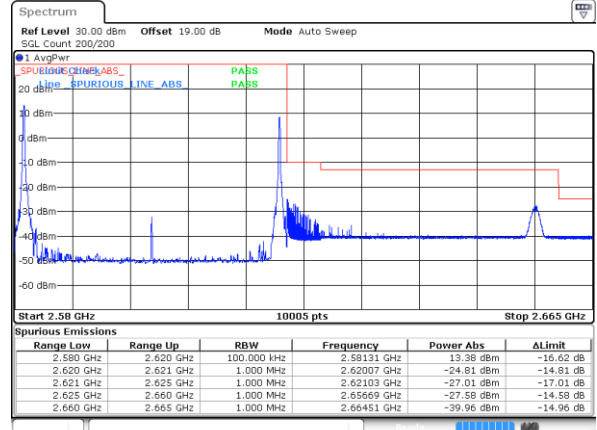
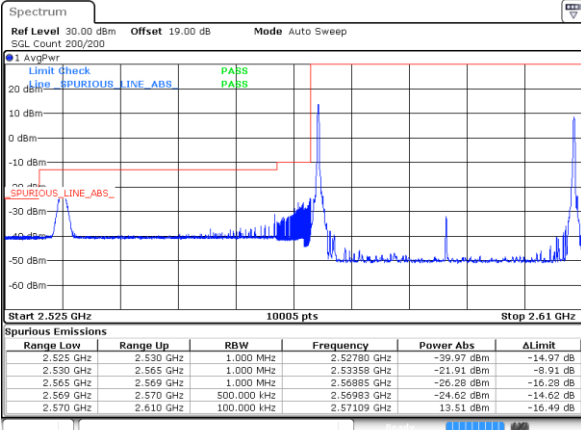


LTE Band 38C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

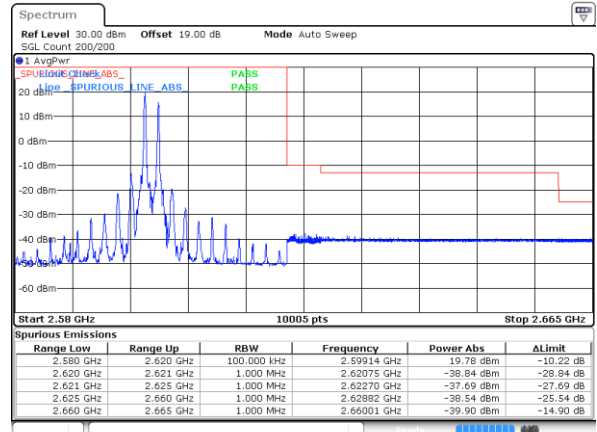
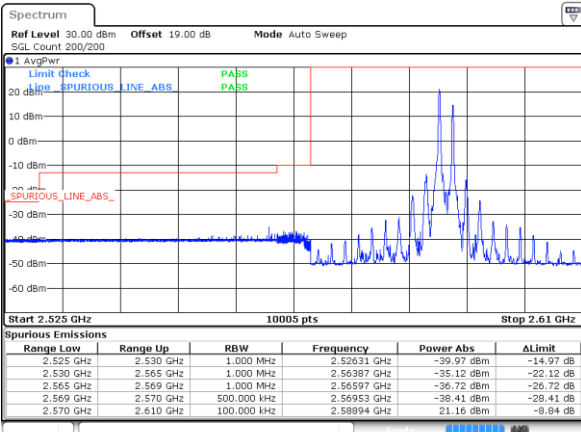


Date: 5 JUL 2023 17:06:05

Date: 5 JUL 2023 17:24:48

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

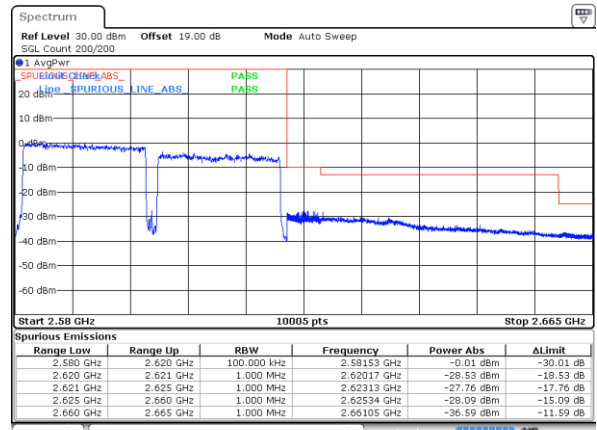
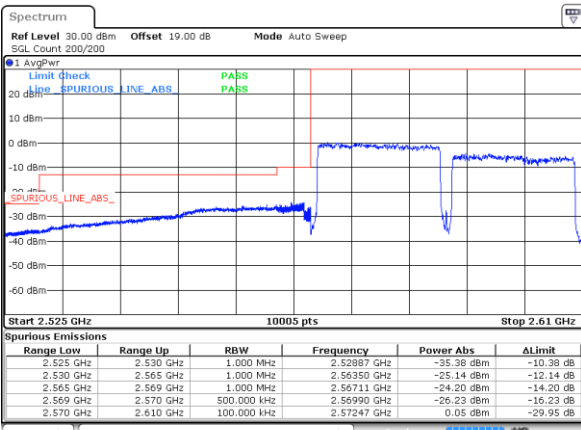


Date: 5 JUL 2023 16:59:45

Date: 5 JUL 2023 17:31:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JUL 2023 17:12:19

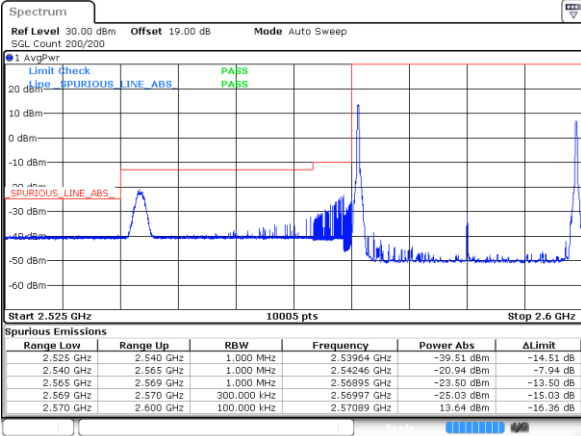
Date: 5 JUL 2023 17:18:34



LTE Band 38C / 15MHz+15MHz

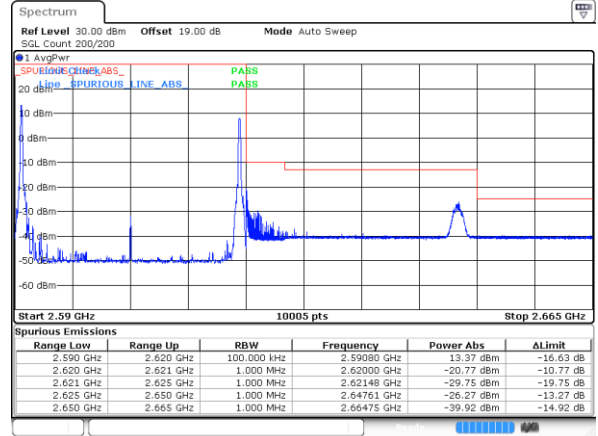
64QAM

Lowest Band Edge / 1RB0 and 1RB74



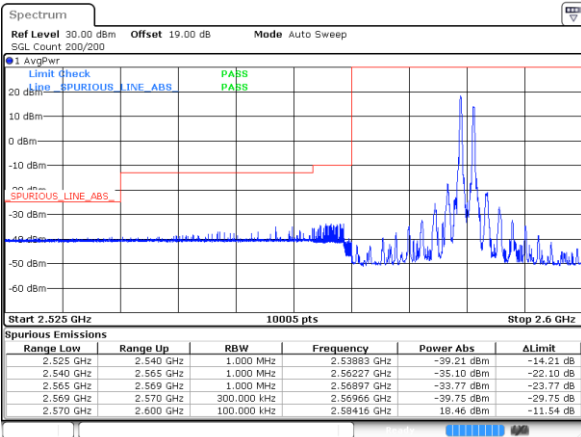
Date: 5 JUL 2023 16:49:16

Highest Band Edge / 1RB0 and 1RB74



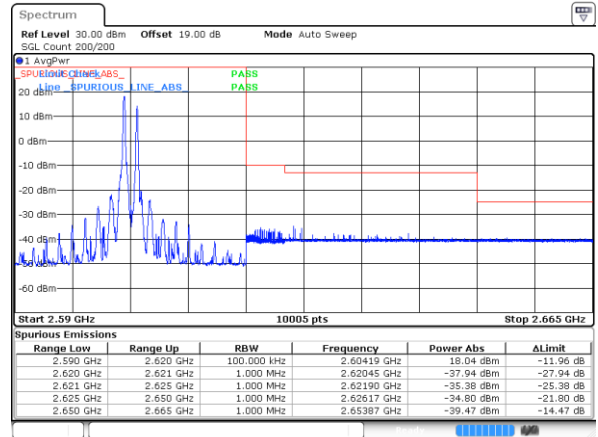
Date: 5 JUL 2023 16:28:22

Lowest Band Edge / 1RB74 and 1RB0



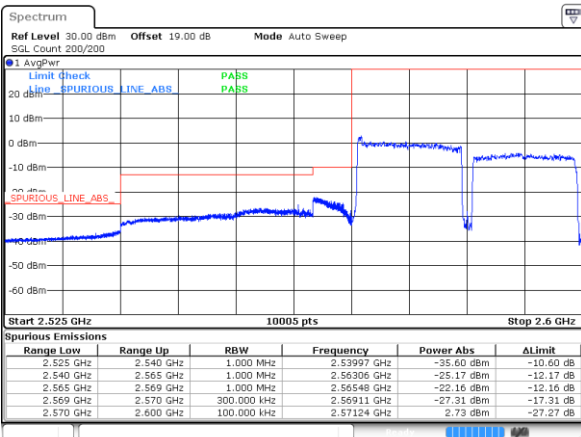
Date: 5 JUL 2023 16:51:21

Highest Band Edge / 1RB74 and 1RB0



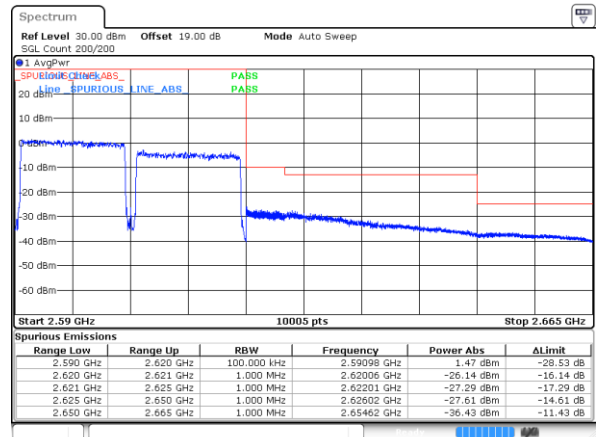
Date: 5 JUL 2023 16:24:17

Lowest Band Edge / Full RB



Date: 5 JUL 2023 16:38:51

Highest Band Edge / Full RB



Date: 5 JUL 2023 16:36:46

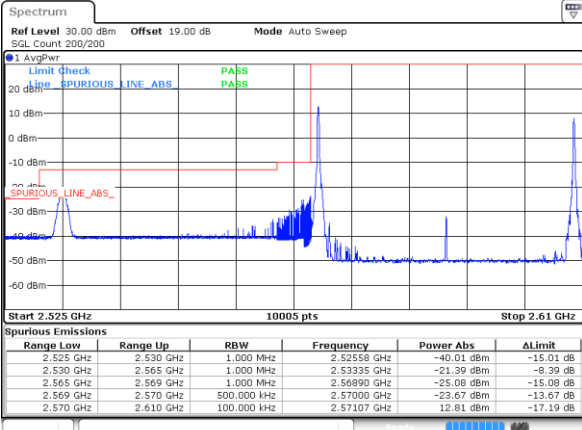


LTE Band 38C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

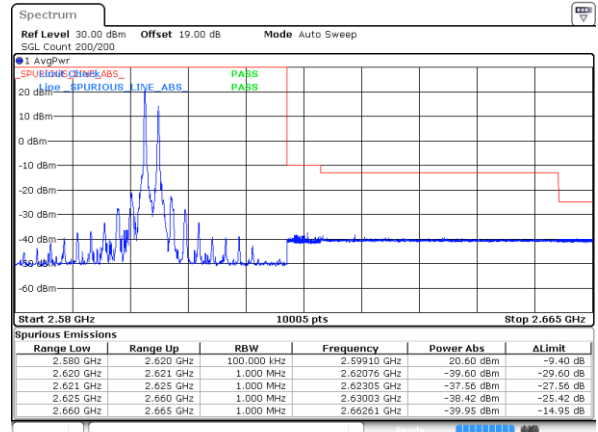
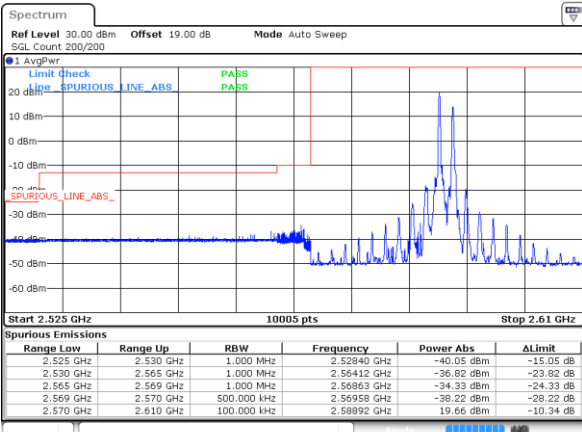


Date: 5 JUL 2023 17:03:58

Date: 5 JUL 2023 17:28:53

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

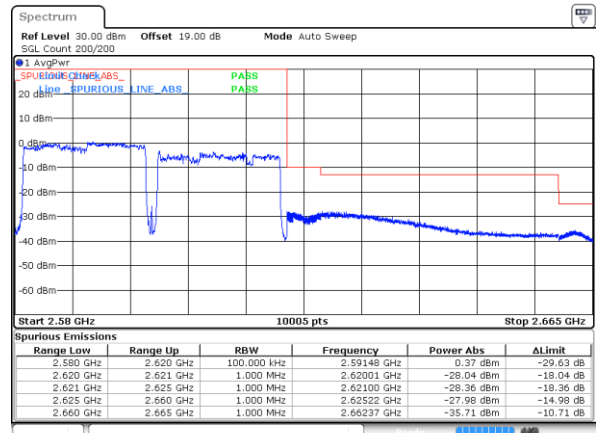
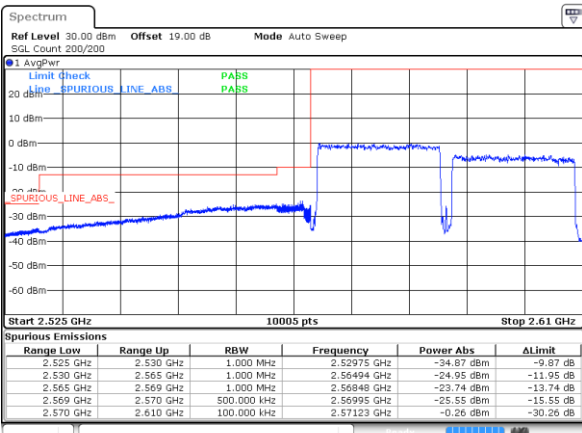


Date: 5 JUL 2023 17:01:50

Date: 5 JUL 2023 17:28:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JUL 2023 17:14:24

Date: 5 JUL 2023 17:16:29



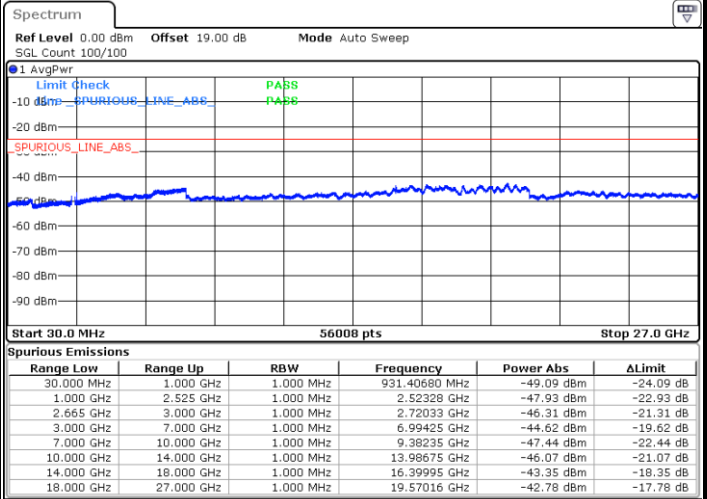
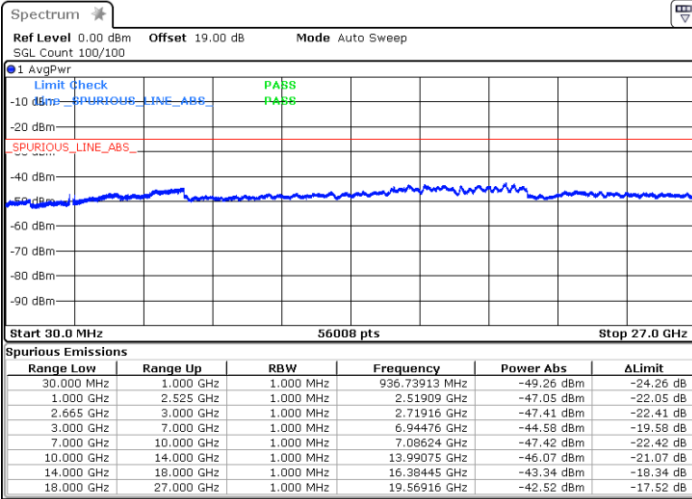
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

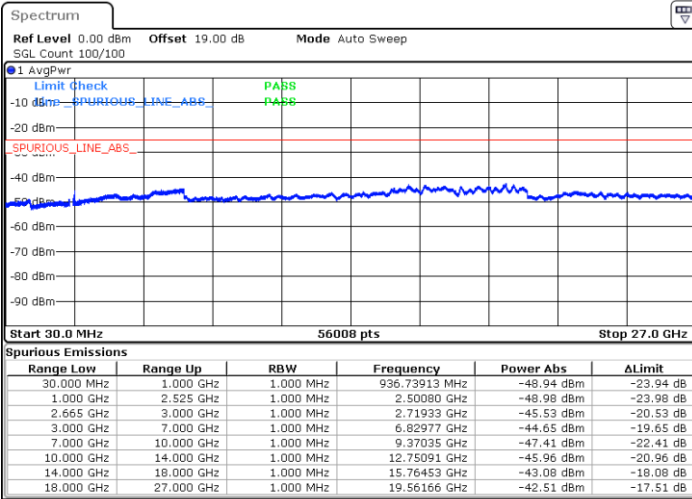
Middle Channel / 1RB74 and 1RB0



Date: 5 JUL 2023 16:16:17

Date: 5 JUL 2023 16:14:32

Highest Channel / 1RB74 and 1RB0



Date: 5 JUL 2023 16:18:03

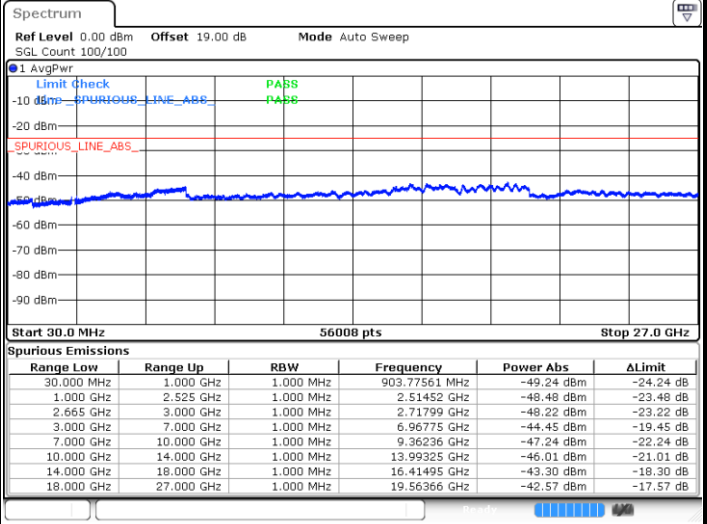
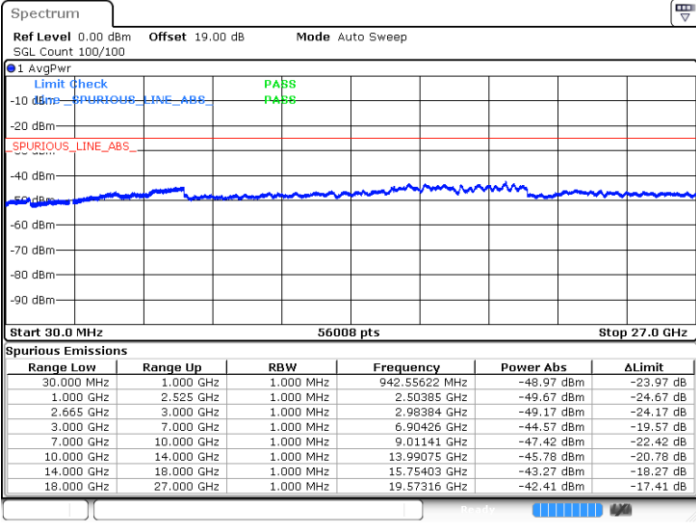


LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

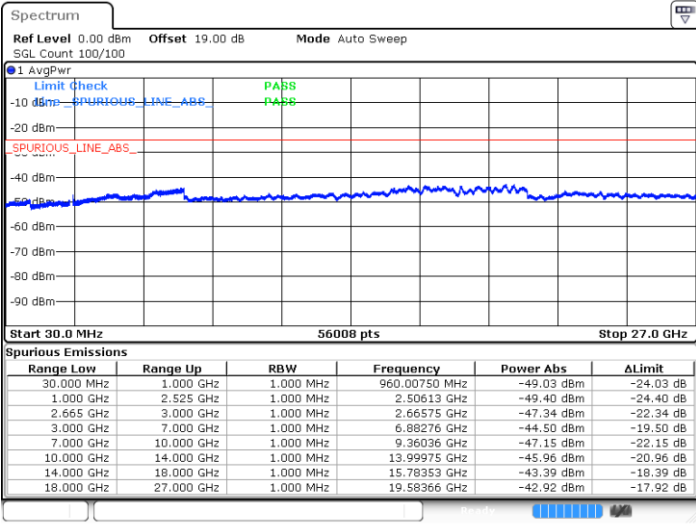
Middle Channel / 1RB99 and 1RB0



Date: 5 JUL 2023 17:38:22

Date: 5 JUL 2023 17:36:37

Highest Channel / 1RB99 and 1RB0



Date: 5 JUL 2023 17:34:51



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 2 / 20MHz / QPSK / Ant.0									
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	3742.18	-55.48	-13	-42.48	-78.52	-62.23	5.85	12.60	H
	5613.27	-56.18	-13	-43.18	-80.76	-61.98	7.30	13.10	H
	7484.36	-55.07	-13	-42.07	-82.15	-58.22	8.35	11.50	H
	3742.18	-53.40	-13	-40.40	-78.45	-60.15	5.85	12.60	V
	5613.27	-54.08	-13	-41.08	-79.51	-59.88	7.30	13.10	V
	7484.36	-54.90	-13	-41.90	-81.96	-58.05	8.35	11.50	V

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

LTE Band 41 / 20MHz / QPSK / Ant.4									
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	5168.18	-53.13	-25	-28.13	-77.80	-58.69	7.14	12.70	H
	7752.27	-39.90	-25	-14.90	-66.13	-43.20	8.30	11.60	H
	10336.36	-51.67	-25	-26.67	-82.86	-53.19	10.48	12.00	H
	5168.18	-56.02	-25	-31.02	-81.19	-61.58	7.14	12.70	V
	7752.27	-46.09	-25	-21.09	-75.41	-49.39	8.30	11.60	V
	10336.36	-50.25	-25	-25.25	-83.19	-51.77	10.48	12.00	V

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

LTE Band 38C CA / 20MHz+20MHz / QPSK / Ant.4									
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	5190.00	-56.32	-25	-31.32	-81.08	-61.88	7.14	12.70	H
	7785.00	-52.95	-25	-27.95	-79.10	-56.25	8.30	11.60	H
	10380.00	-52.48	-25	-27.48	-83.74	-54.00	10.48	12.00	H
	5190.00	-56.09	-25	-31.09	-81.24	-61.65	7.14	12.70	V
	7785.00	-51.05	-25	-26.05	-80.97	-54.35	8.30	11.60	V
	10380.00	-50.42	-25	-25.42	-83.59	-51.94	10.48	12.00	V

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