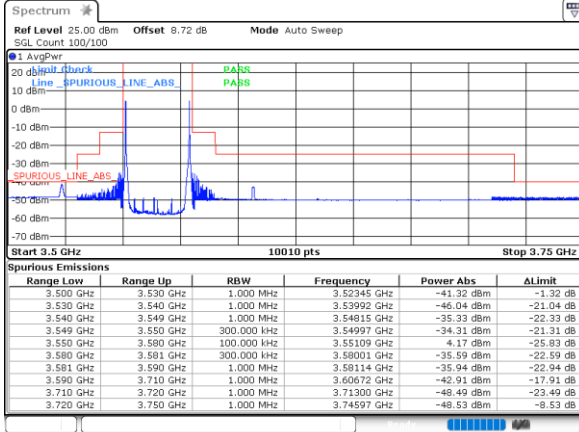




LTE Band 48C / 10MHz+20MHz

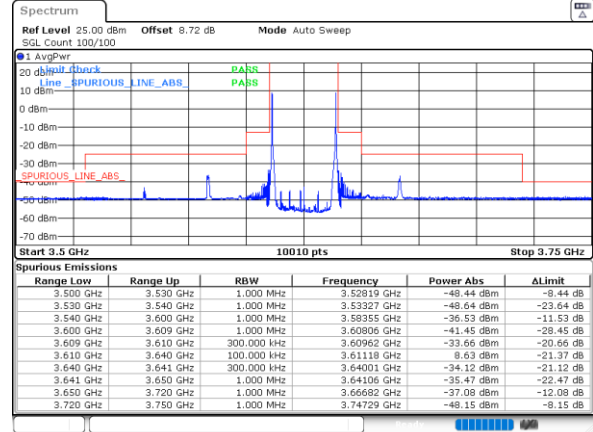
256QAM

Lowest Band Edge / 1RB0 and 1RB99



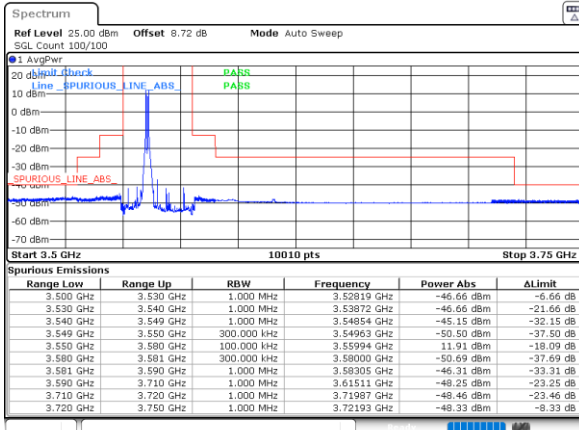
Date: 5.MAY.2023 22:12:32

Middle Band Edge / 1RB0 and 1RB99



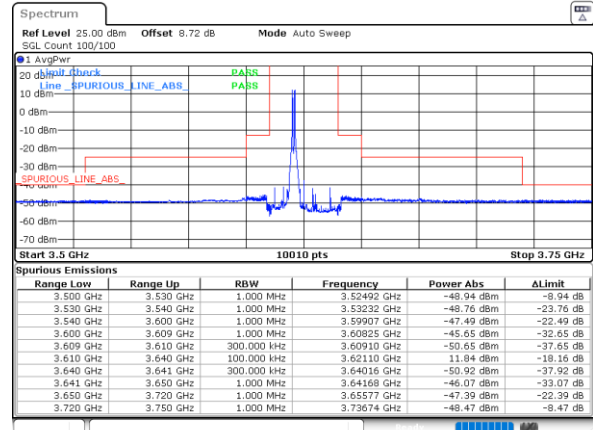
Date: 21.APR.2023 23:48:56

Lowest Band Edge / 1RB49 and 1RB0



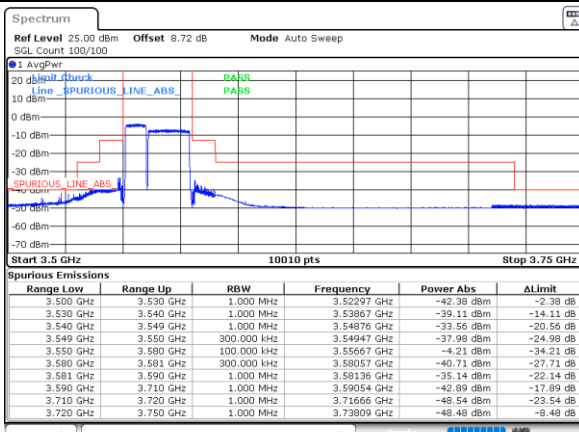
Date: 21.APR.2023 23:29:13

Middle Band Edge / 1RB49 and 1RB0



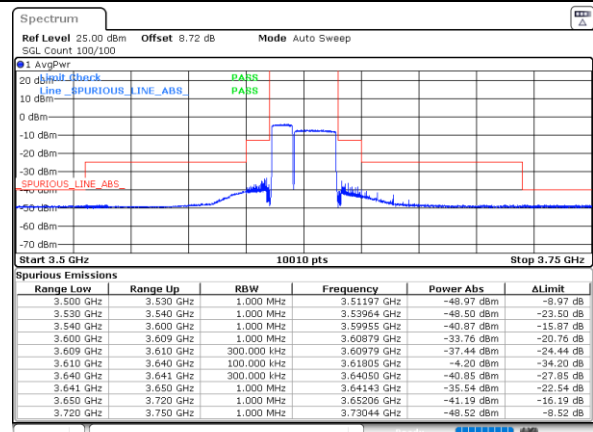
Date: 21.APR.2023 23:58:45

Lowest Band Edge / Full RB



Date: 21.APR.2023 23:09:34

Middle Band Edge / Full RB



Date: 21.APR.2023 23:39:08

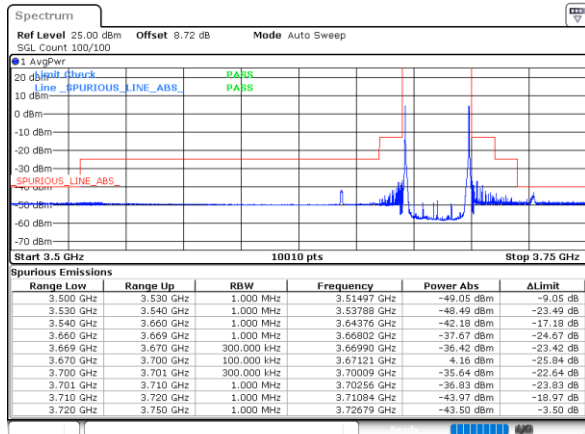


LTE Band 48C / 10MHz+20MHz

256QAM

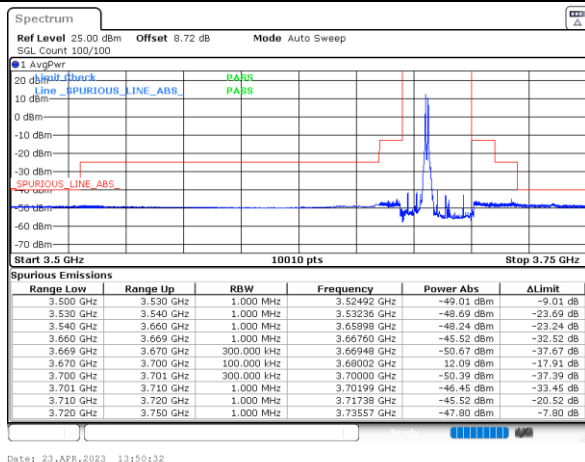
Highest Band Edge / 1RB0 and 1RB99

N/A



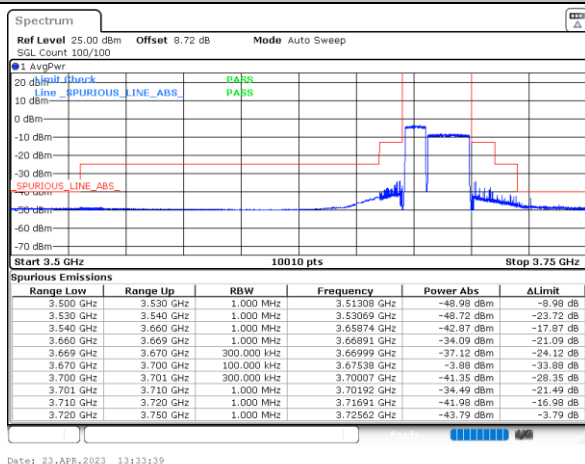
Highest Band Edge / 1RB49 and 1RB0

N/A



Highest Band Edge / Full RB

N/A

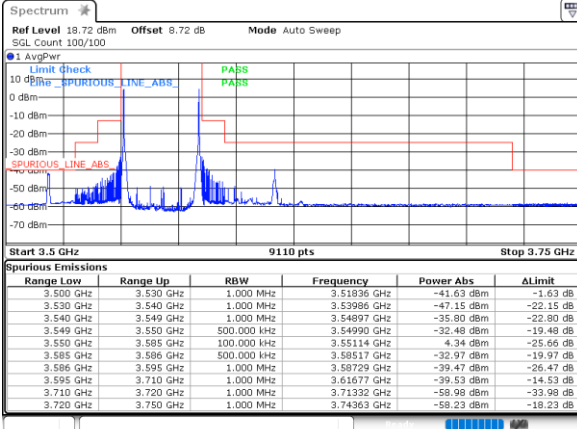




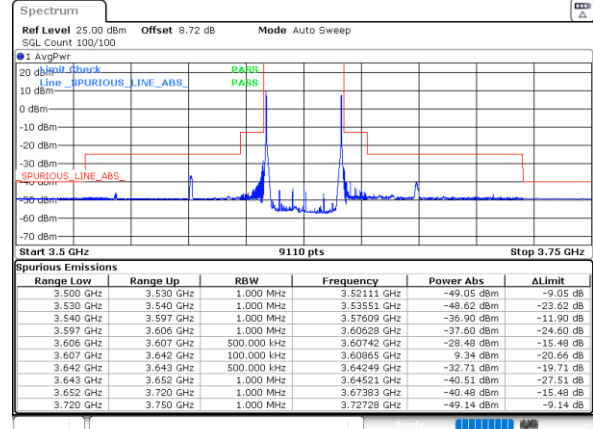
LTE Band 48C / 15MHz+20MHz

256QAM

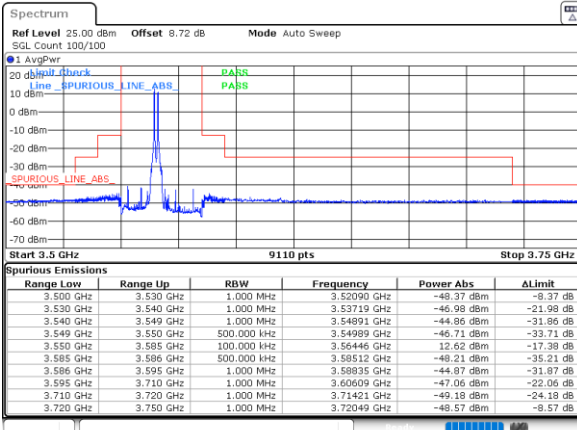
Lowest Band Edge / 1RB0 and 1RB99



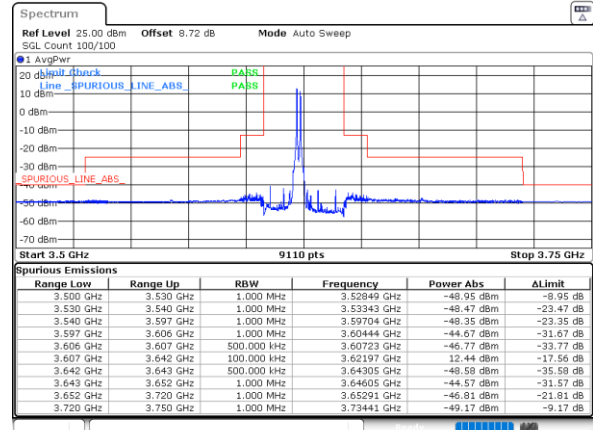
Middle Band Edge / 1RB0 and 1RB99



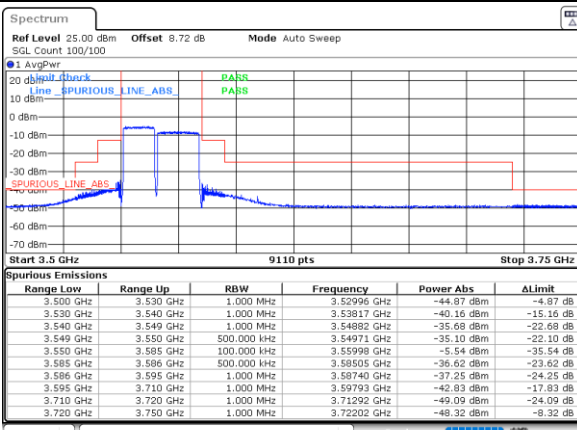
Lowest Band Edge / 1RB74 and 1RB0



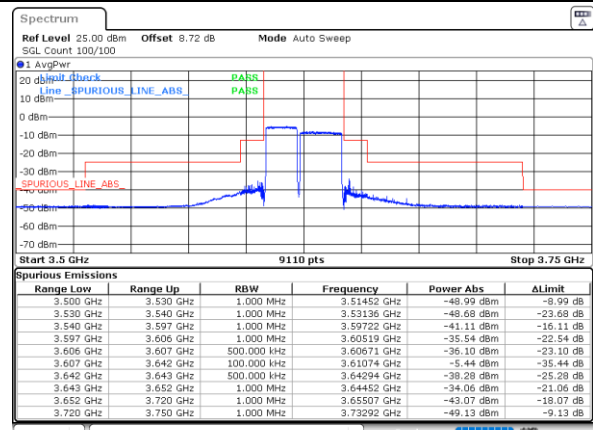
Middle Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Middle Band Edge / Full RB



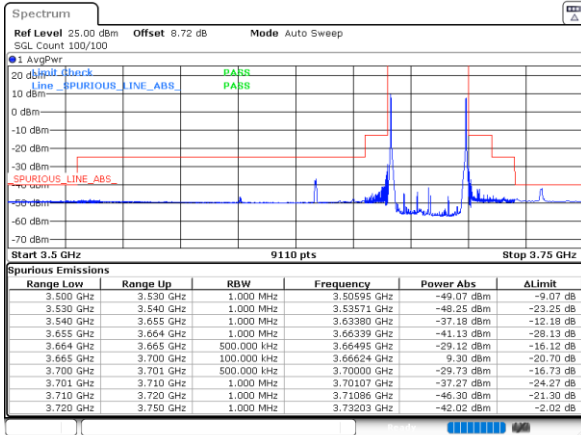


LTE Band 48C / 15MHz+20MHz

256QAM

Highest Band Edge / 1RB0 and 1RB99

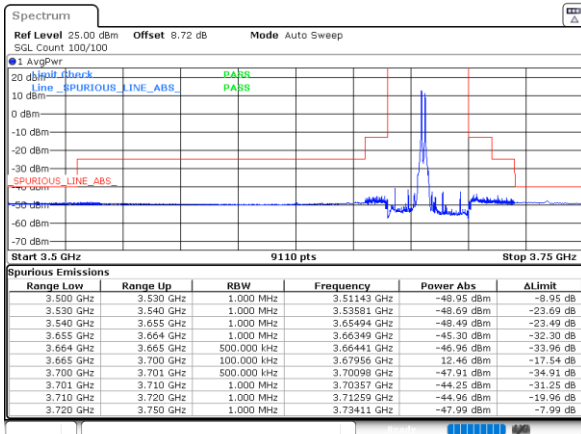
N/A



Date: 23.APR.2023 15:03:51

Highest Band Edge / 1RB74 and 1RB0

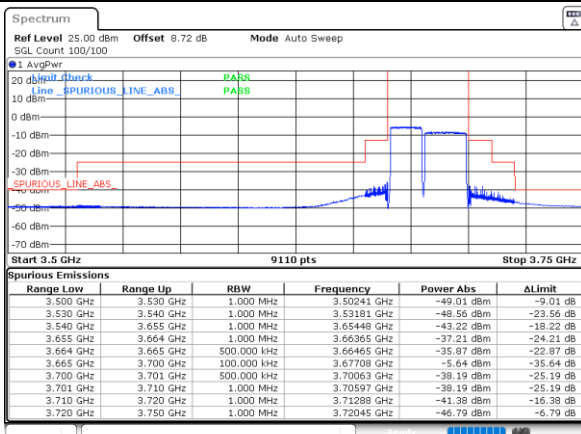
N/A



Date: 23.APR.2023 14:55:23

Highest Band Edge / Full RB

N/A



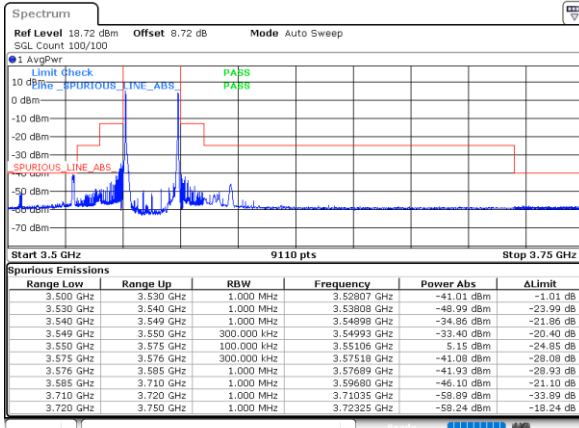
Date: 23.APR.2023 15:12:19



LTE Band 48C/ 20MHz+5MHz

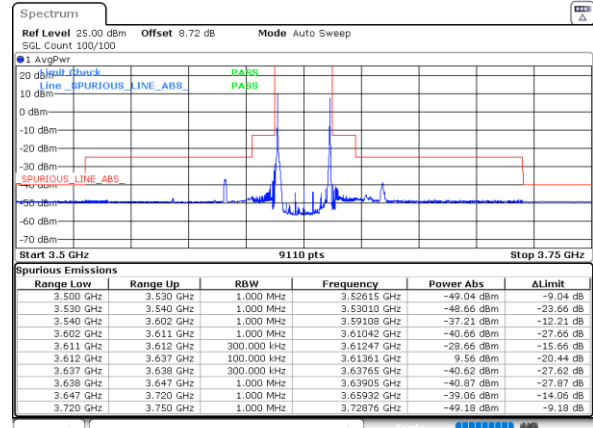
256QAM

Lowest Band Edge / 1RB0 and 1RB24



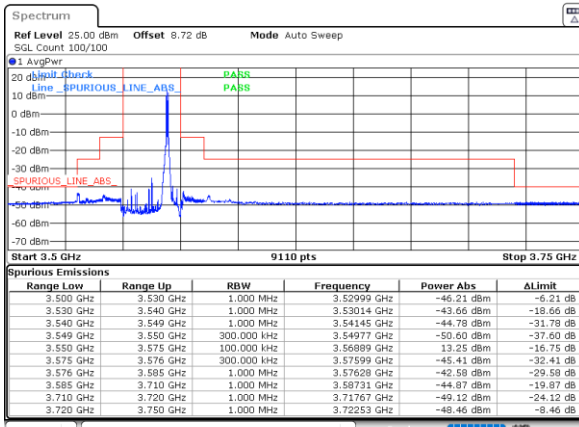
Date: 5.MAY.2023 21:24:56

Middle Band Edge / 1RB0 and 1RB24



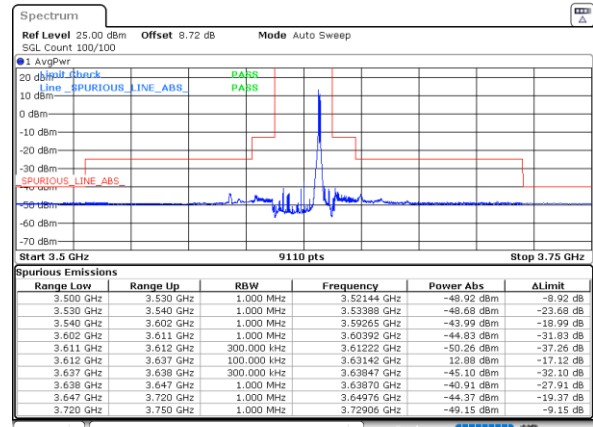
Date: 23.APR.2023 15:59:06

Lowest Band Edge / 1RB99 and 1RB0



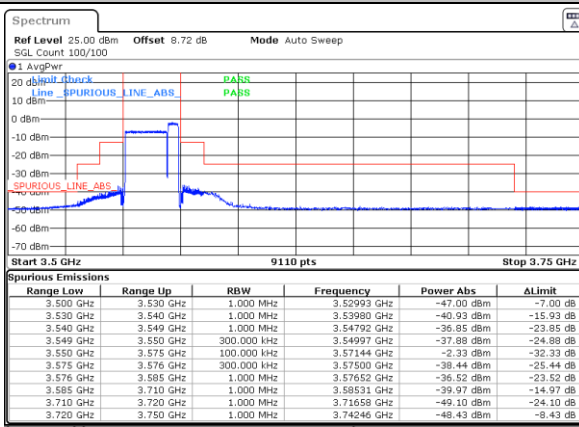
Date: 23.APR.2023 15:42:03

Middle Band Edge / 1RB99 and 1RB0



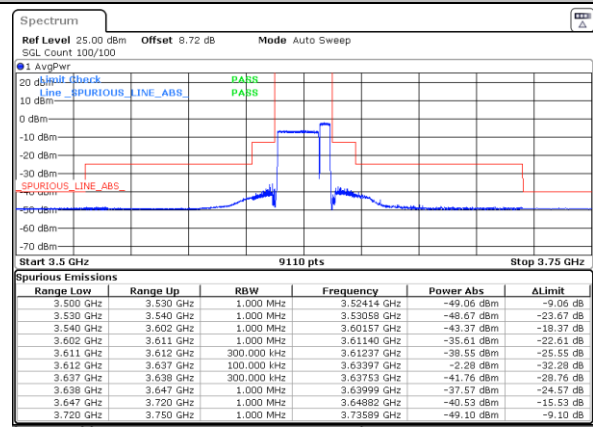
Date: 23.APR.2023 16:07:34

Lowest Band Edge / Full RB



Date: 23.APR.2023 15:20:55

Middle Band Edge / Full RB



Date: 23.APR.2023 15:50:38

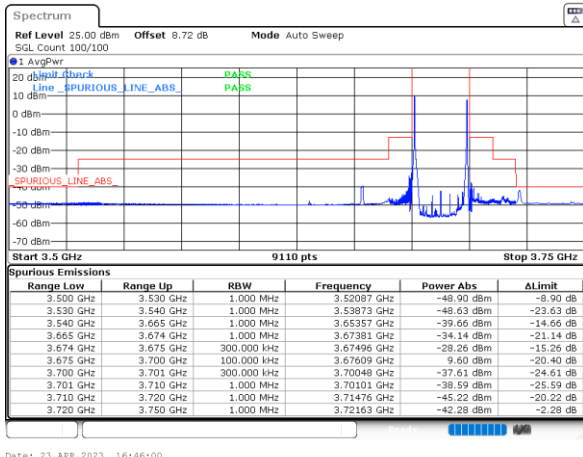


LTE Band 48C / 20MHz+5MHz

256QAM

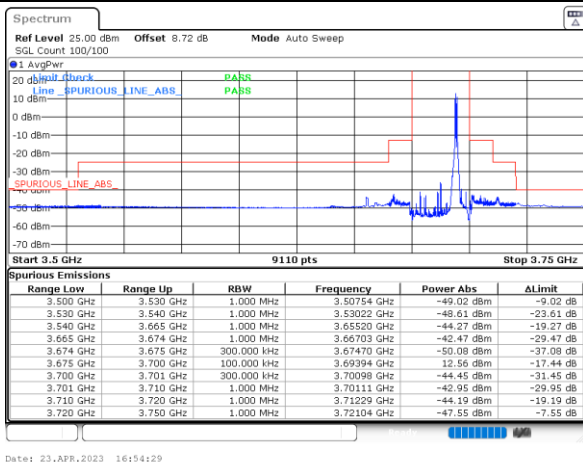
Highest Band Edge / 1RB0 and 1RB24

N/A



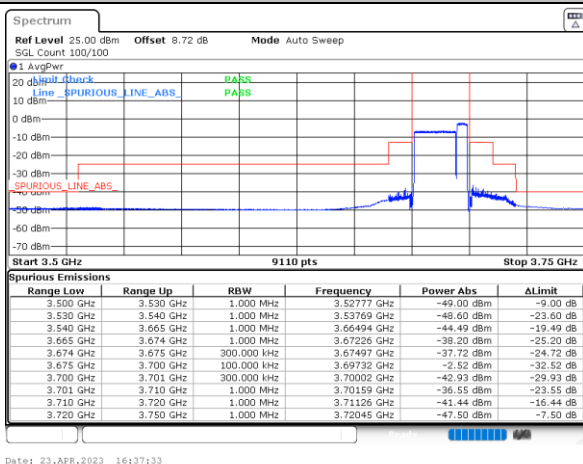
Highest Band Edge / 1RB99 and 1RB0

N/A



Highest Band Edge / Full RB

N/A

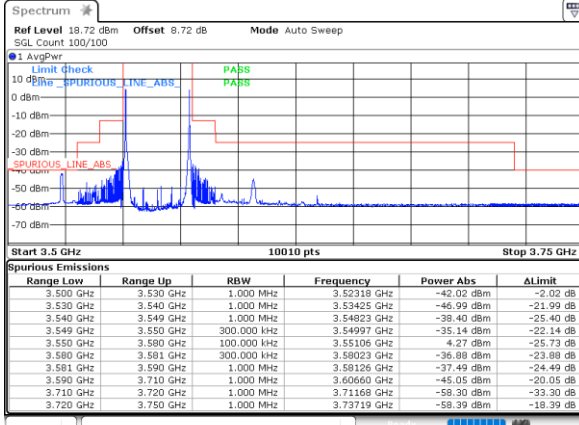




LTE Band 48C / 20MHz+10MHz

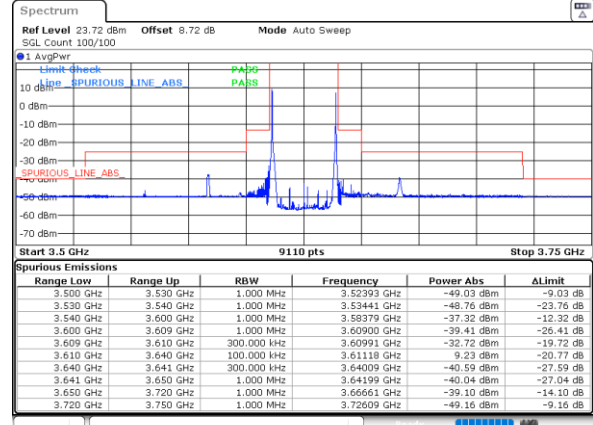
256QAM

Lowest Band Edge / 1RB0 and 1RB49



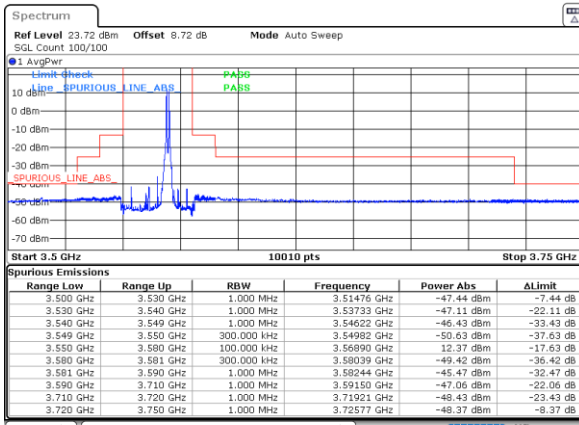
Date: 5.MAY.2023 21:15:12

Middle Band Edge / 1RB0 and 1RB49



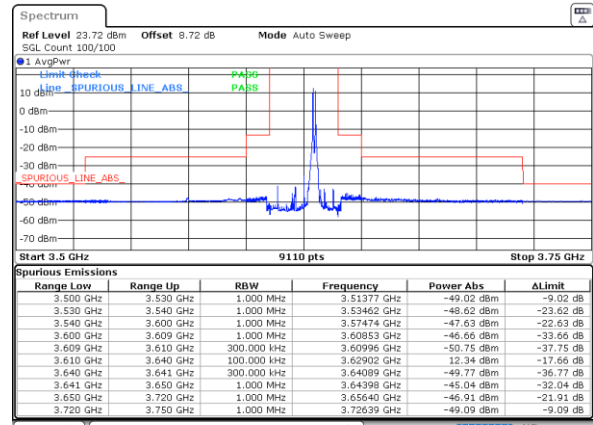
Date: 23.APR.2023 17:37:04

Lowest Band Edge / 1RB99 and 1RB0



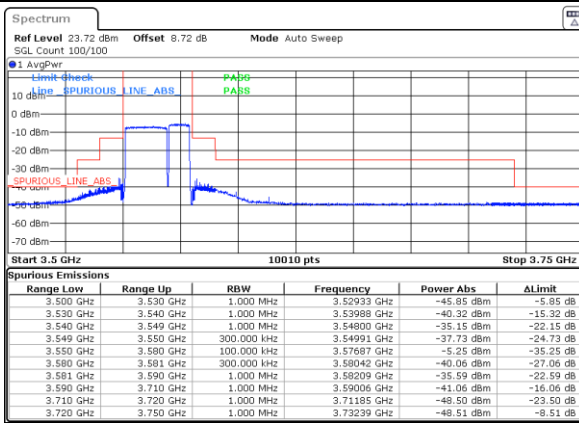
Date: 23.APR.2023 17:20:00

Middle Band Edge / 1RB99 and 1RB0



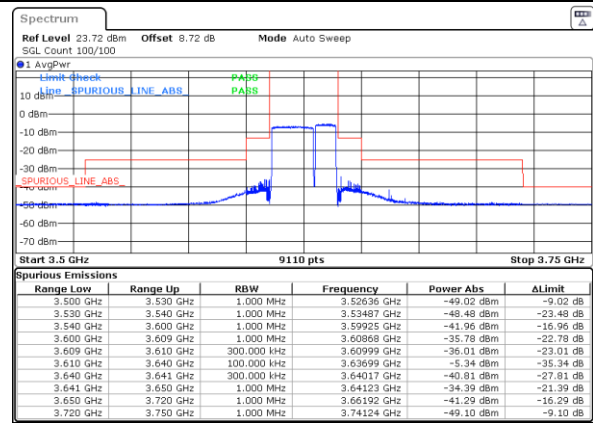
Date: 23.APR.2023 17:49:31

Lowest Band Edge / Full RB



Date: 23.APR.2023 17:03:04

Middle Band Edge / Full RB



Date: 23.APR.2023 17:28:35

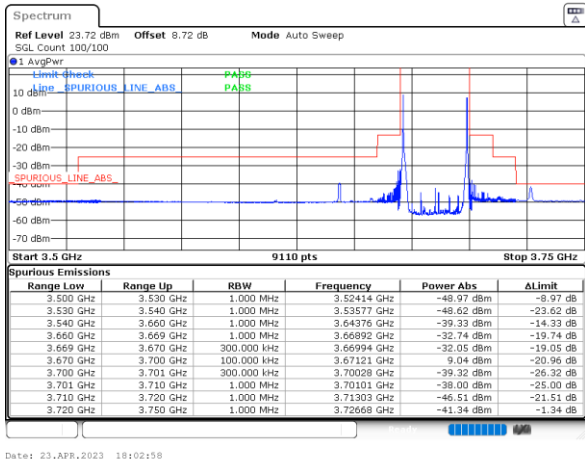


LTE Band 48C / 20MHz+10MHz

256QAM

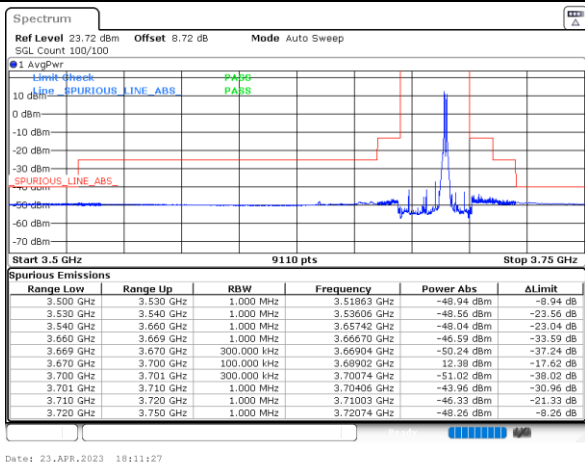
Highest Band Edge / 1RB0 and 1RB49

N/A



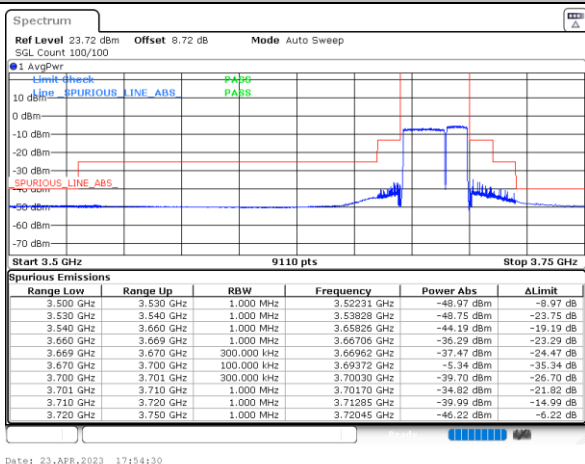
Highest Band Edge / 1RB99 and 1RB0

N/A



Highest Band Edge / Full RB

N/A

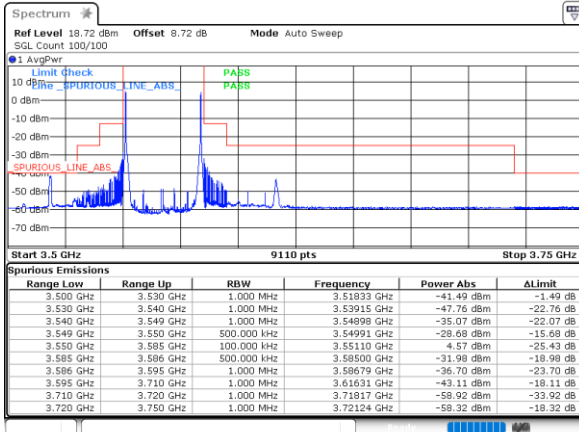




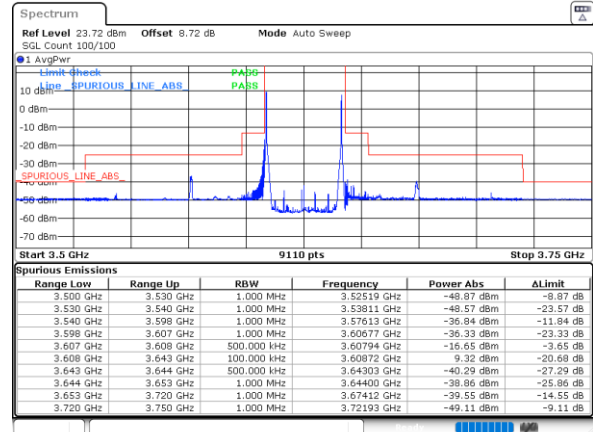
LTE Band 48C / 20MHz+15MHz

256QAM

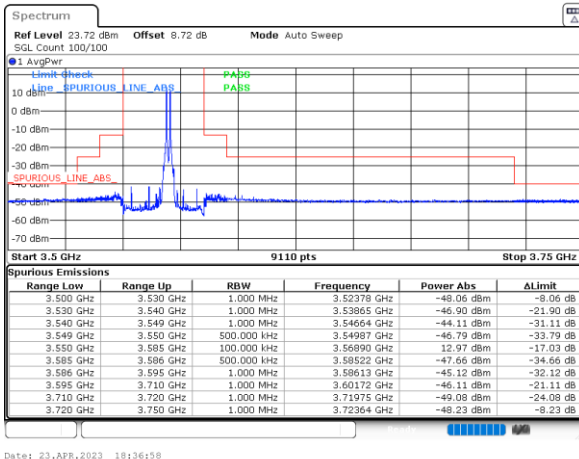
Lowest Band Edge / 1RB0 and 1RB74



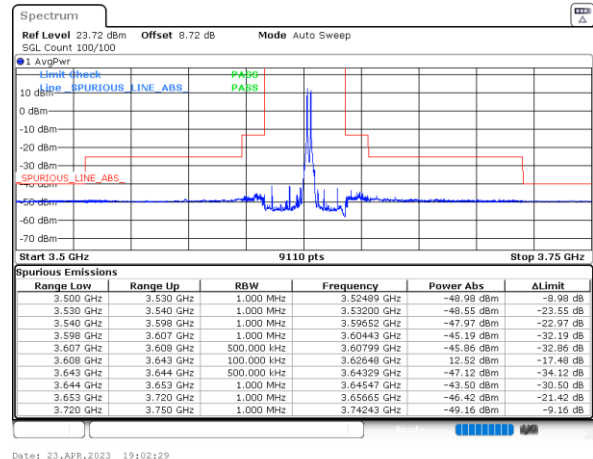
Middle Band Edge / 1RB0 and 1RB74



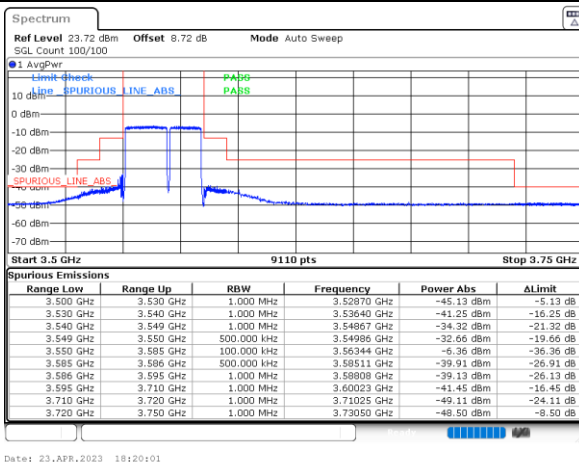
Lowest Band Edge / 1RB99 and 1RB0



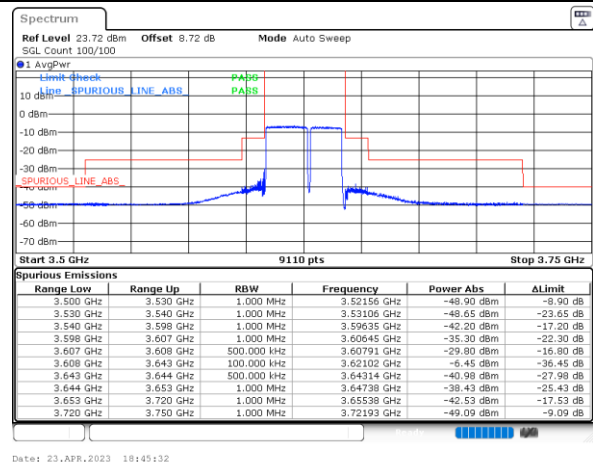
Middle Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Middle Band Edge / Full RB



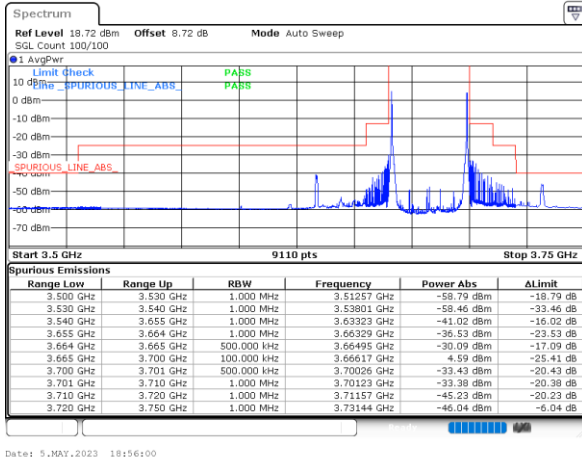


LTE Band 48C / 20MHz+15MHz

256QAM

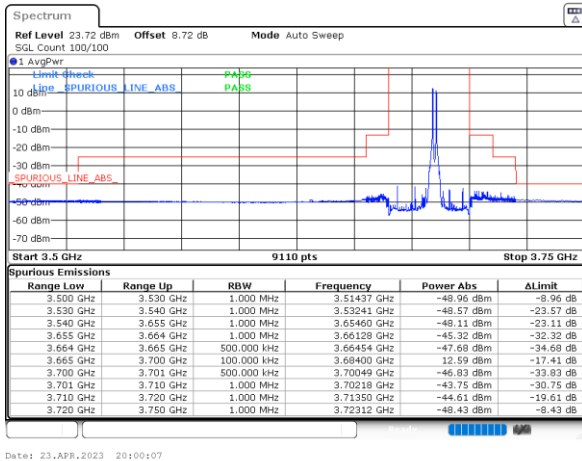
Highest Band Edge / 1RB0 and 1RB74

N/A



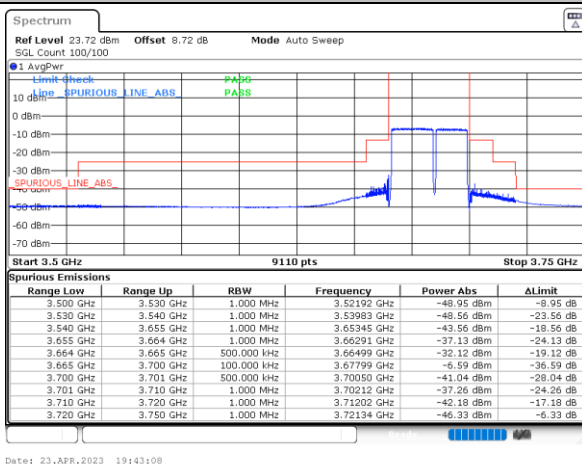
Highest Band Edge / 1RB99 and 1RB0

N/A



Highest Band Edge / FullRB

N/A

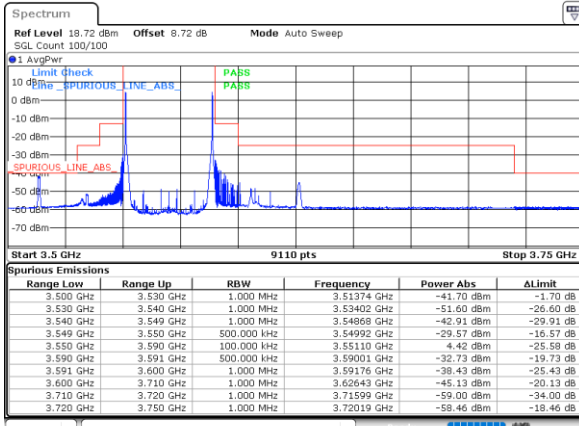




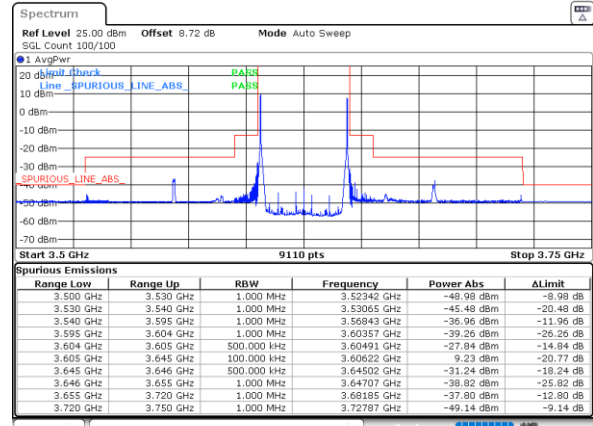
LTE Band 48C / 20MHz+20MHz

256QAM

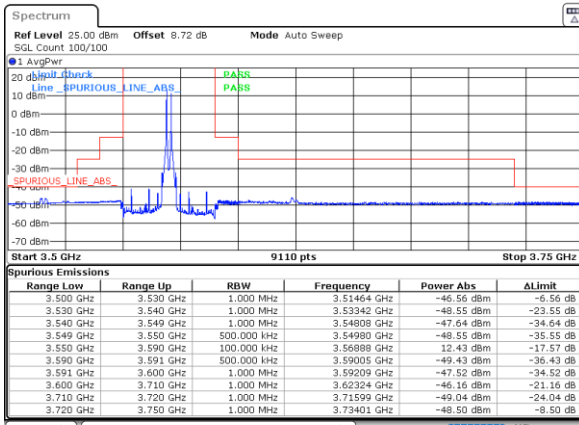
Lowest Band Edge / 1RB0 and 1RB99



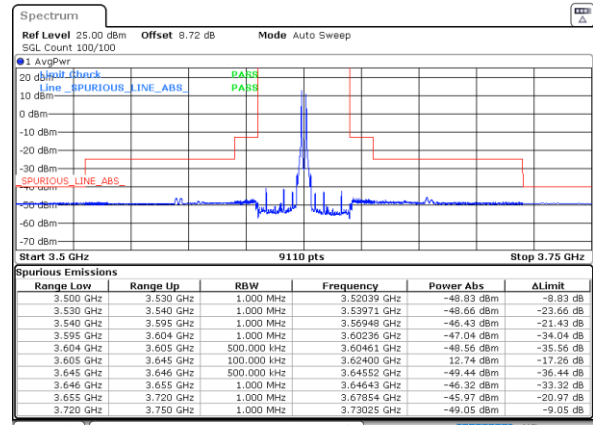
Middle Band Edge / 1RB0 and 1RB99



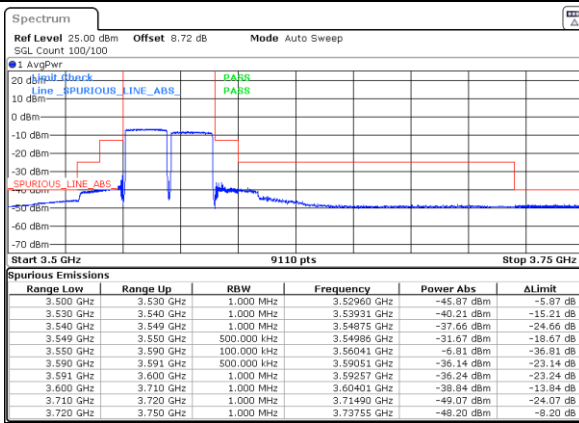
Lowest Band Edge / 1RB99 and 1RB0



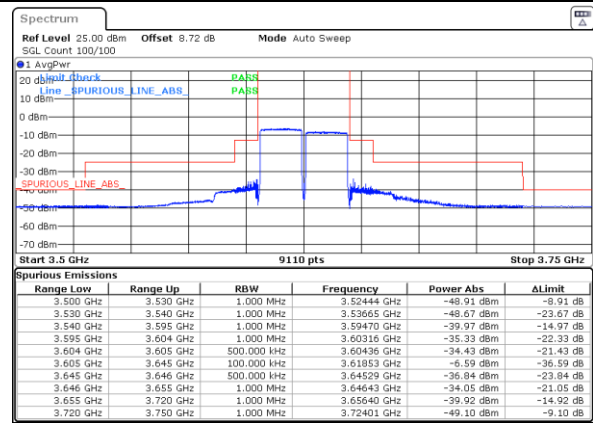
Middle Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Middle Band Edge / Full RB



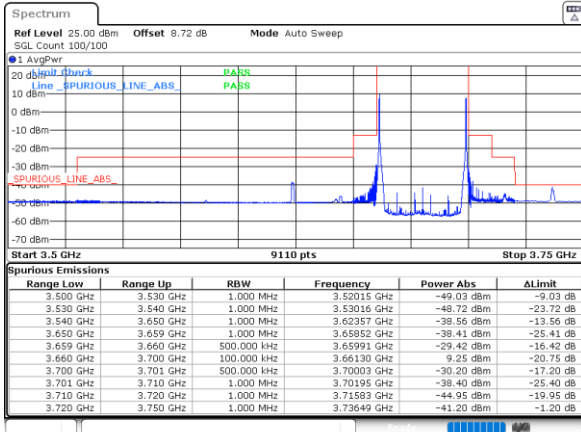


LTE Band 48C / 20MHz+20MHz

256QAM

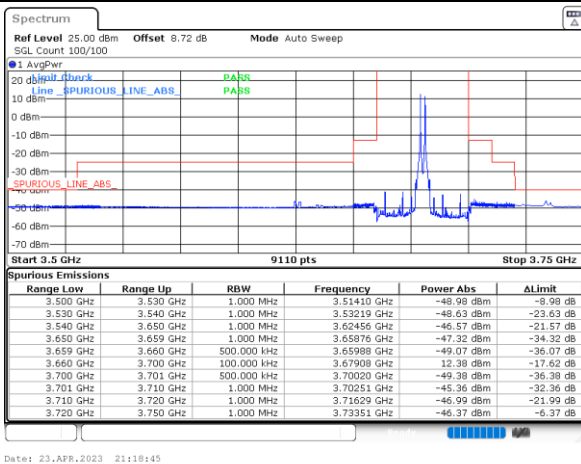
Highest Band Edge / 1RB0 and 1RB99

N/A



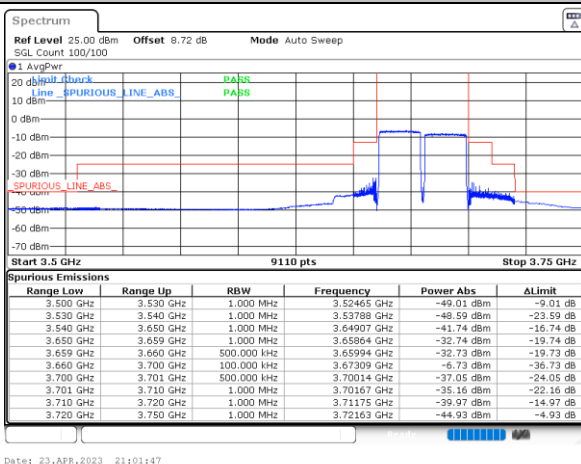
Highest Band Edge / 1RB99 and 1RB0

N/A



Highest Band Edge / Full RB

N/A





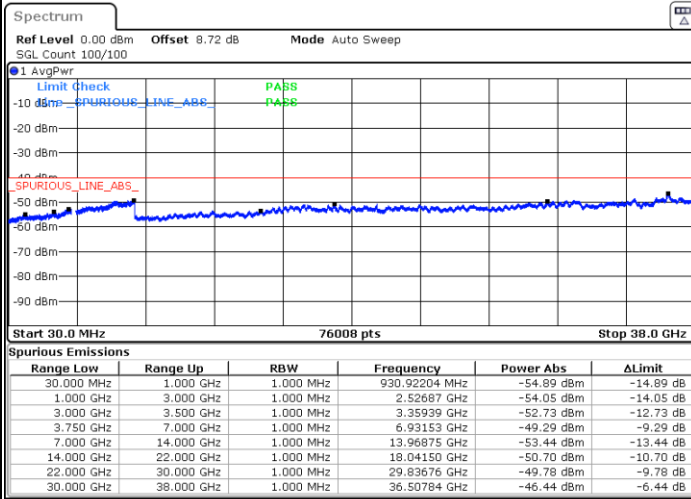
A3.5 Conducted Spurious Emission

LTE Band 48C / 5MHz+20MHz

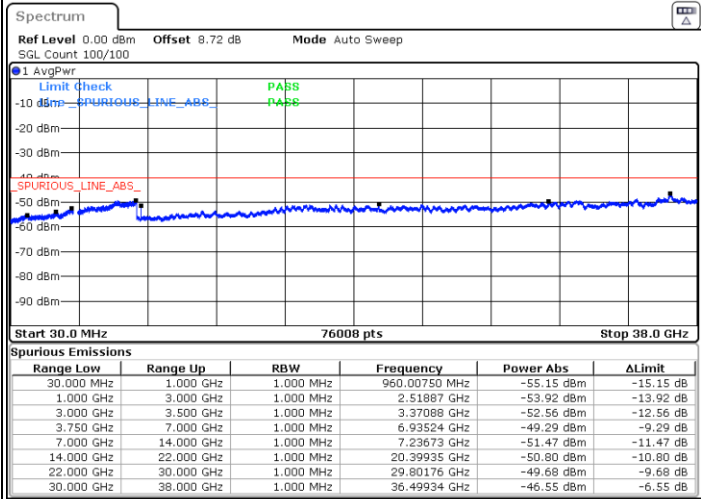
QPSK

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0

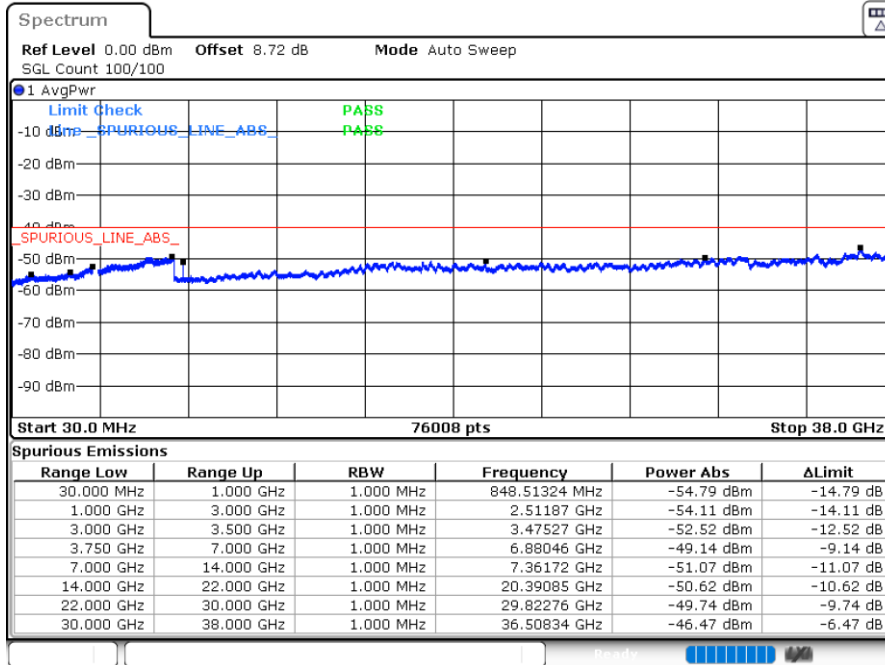


Date: 16.MAY.2023 05:09:14



Date: 16.MAY.2023 05:10:51

Highest Channel / 1RB24 and 1RB0



Date: 16.MAY.2023 05:12:29

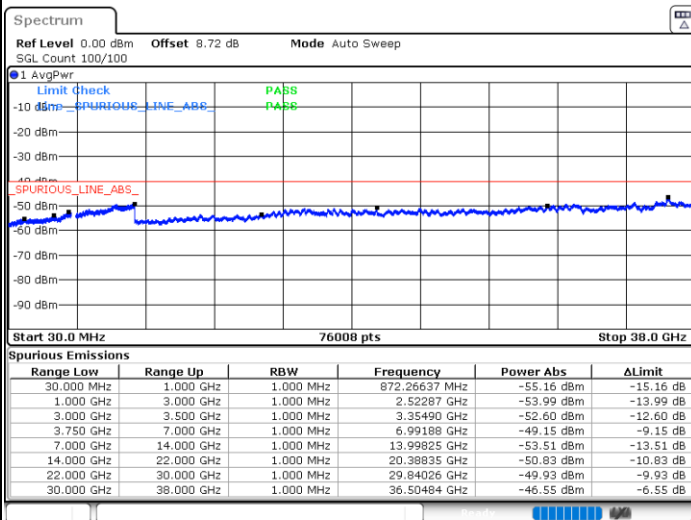


LTE Band 48C / 10MHz+20MHz

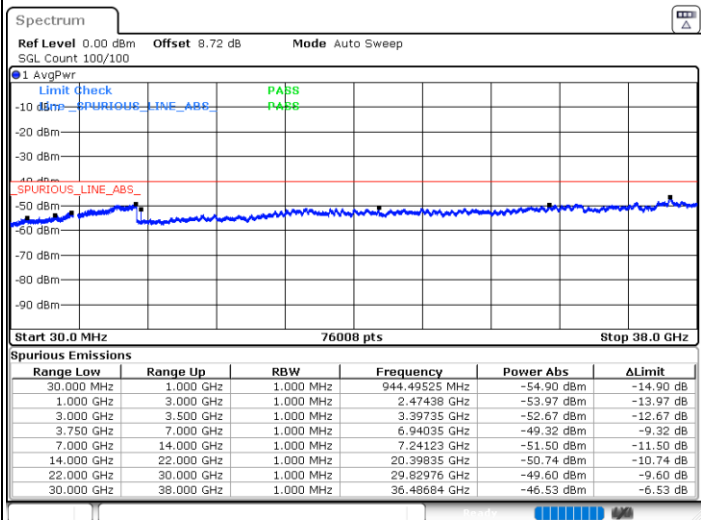
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

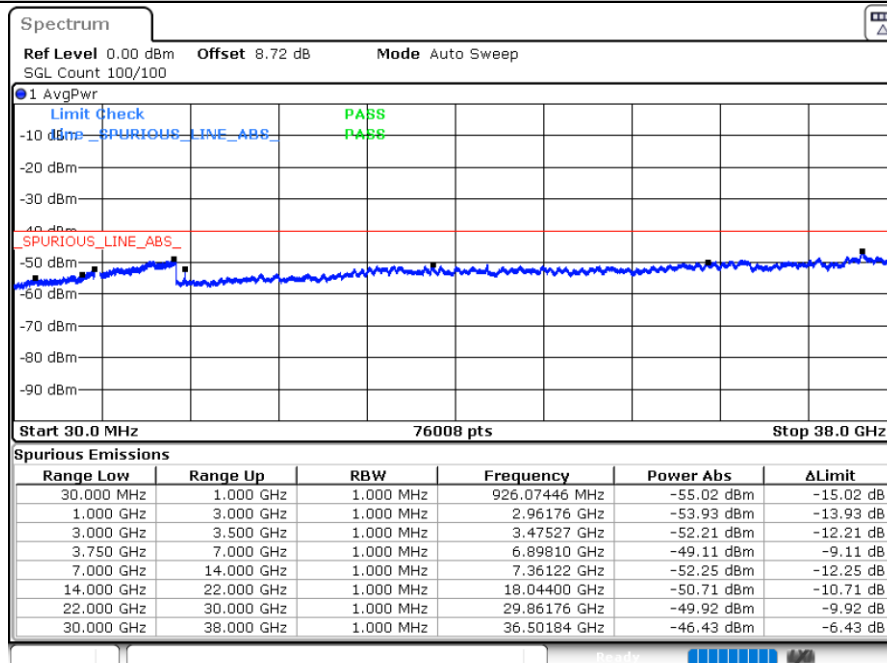


Date: 16.MAY.2023 05:14:09



Date: 16.MAY.2023 05:15:47

Highest Channel / 1RB49 and 1RB0



Date: 16.MAY.2023 05:17:24

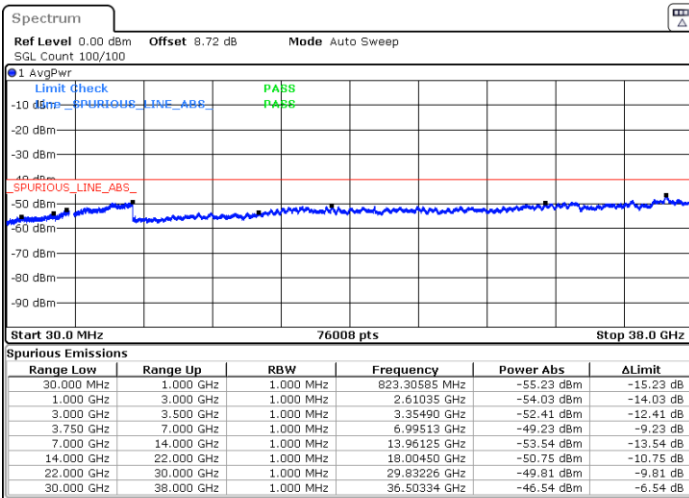


LTE Band 48C / 15MHz+20MHz

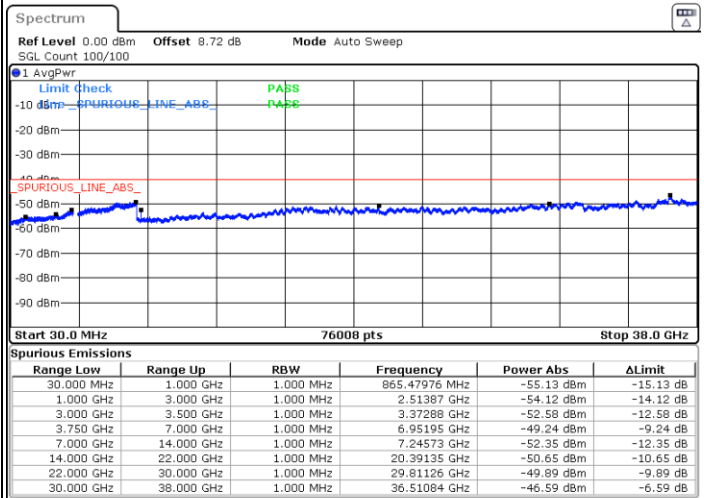
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

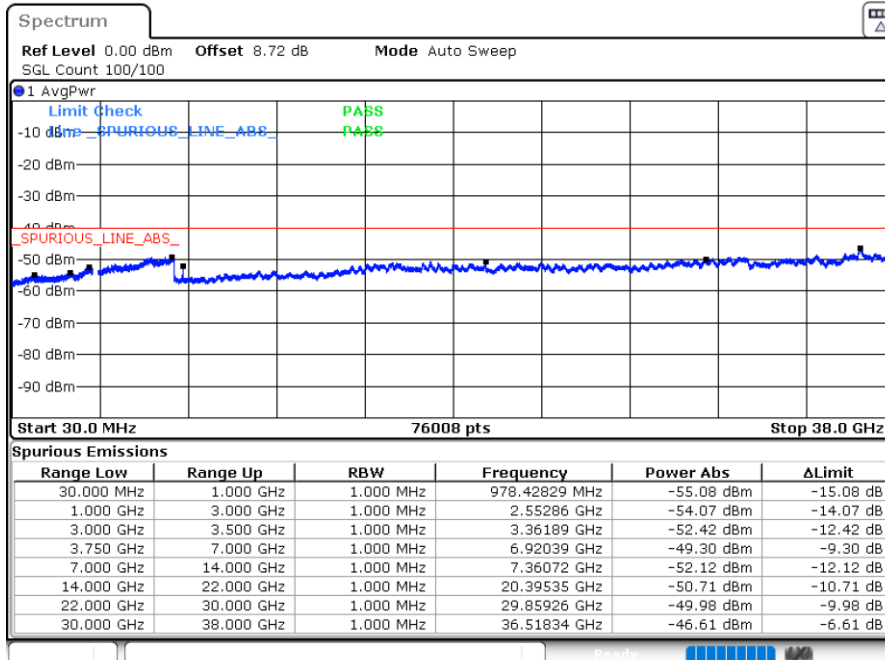


Date: 16.MAY.2023 05:19:05



Date: 16.MAY.2023 05:20:42

Highest Channel / 1RB74 and 1RB0



Date: 16.MAY.2023 05:22:20

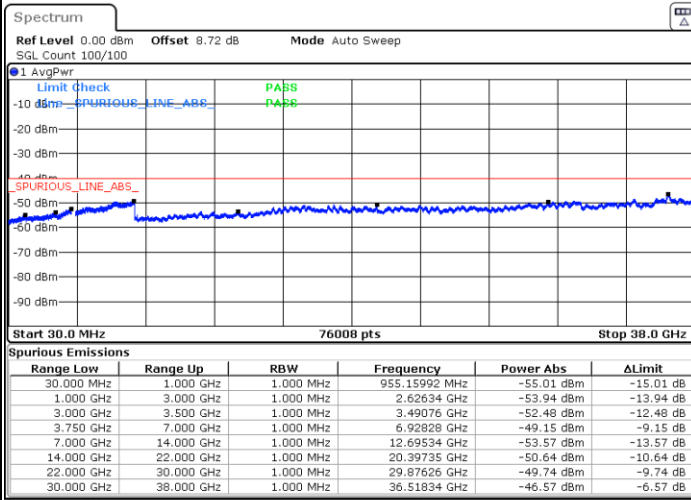


LTE Band 48C / 20MHz+5MHz

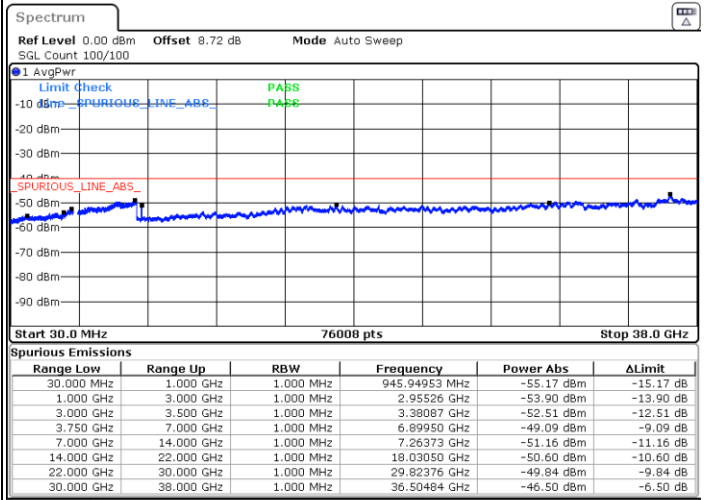
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

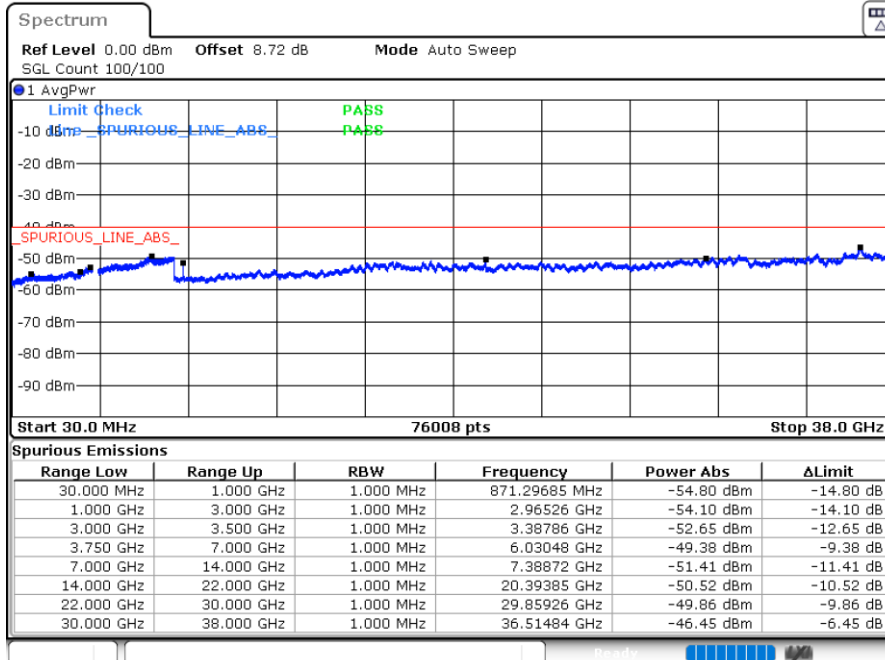


Date: 16.MAY.2023 05:24:00



Date: 16.MAY.2023 05:25:38

Highest Channel / 1RB99 and 1RB0



Date: 16.MAY.2023 05:27:15

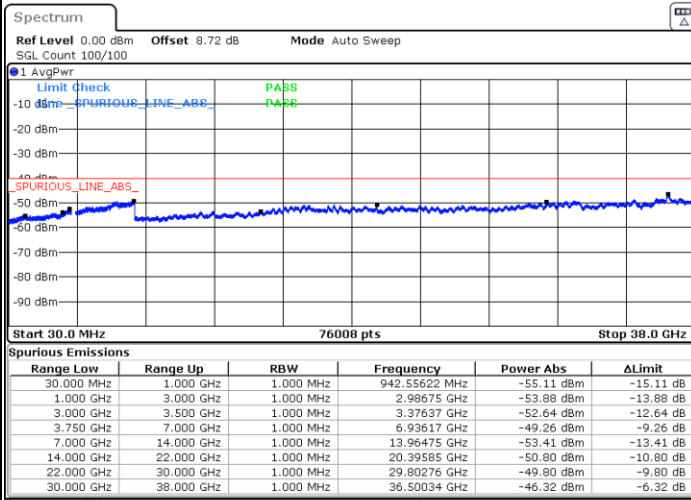


LTE Band 48C / 20MHz+10MHz

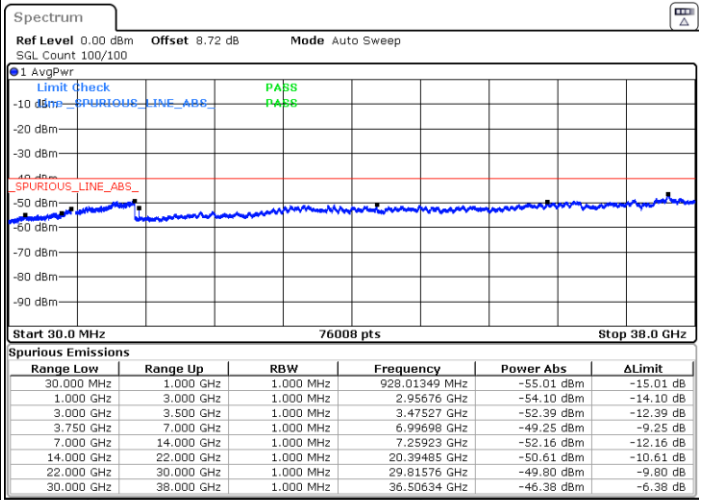
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

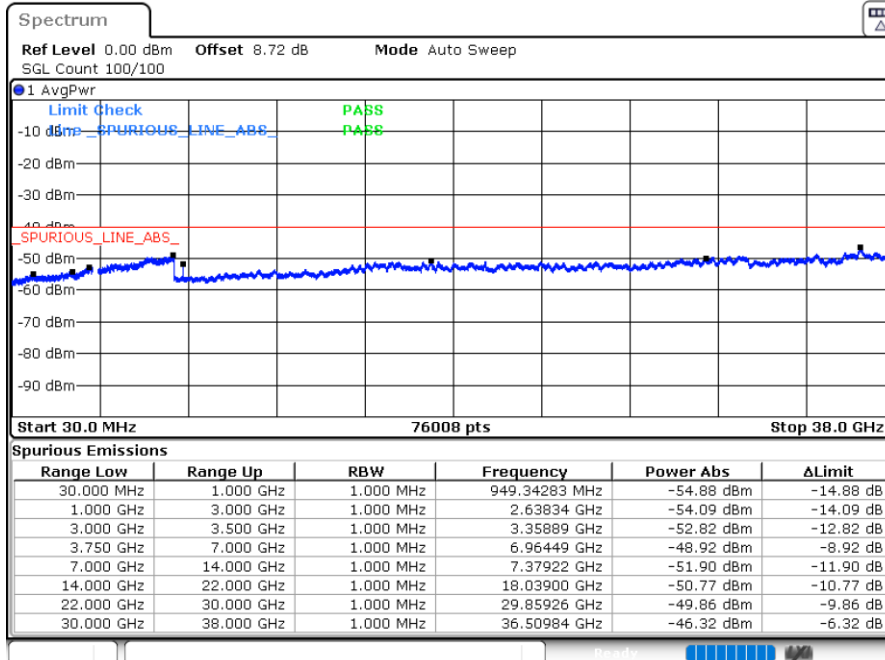


Date: 16.MAY.2023 05:28:54



Date: 16.MAY.2023 05:30:32

Highest Channel / 1RB99 and 1RB0



Date: 16.MAY.2023 05:32:09

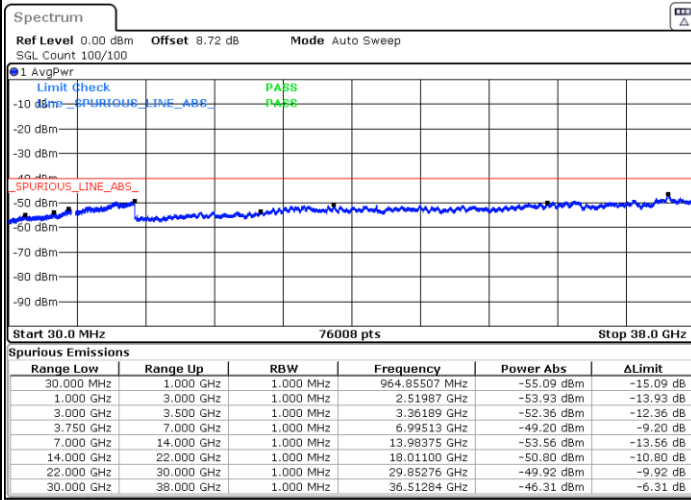


LTE Band 48C / 20MHz+15MHz

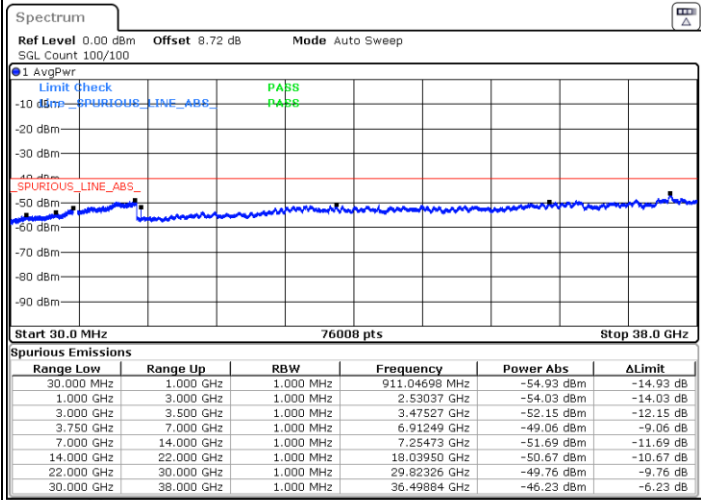
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

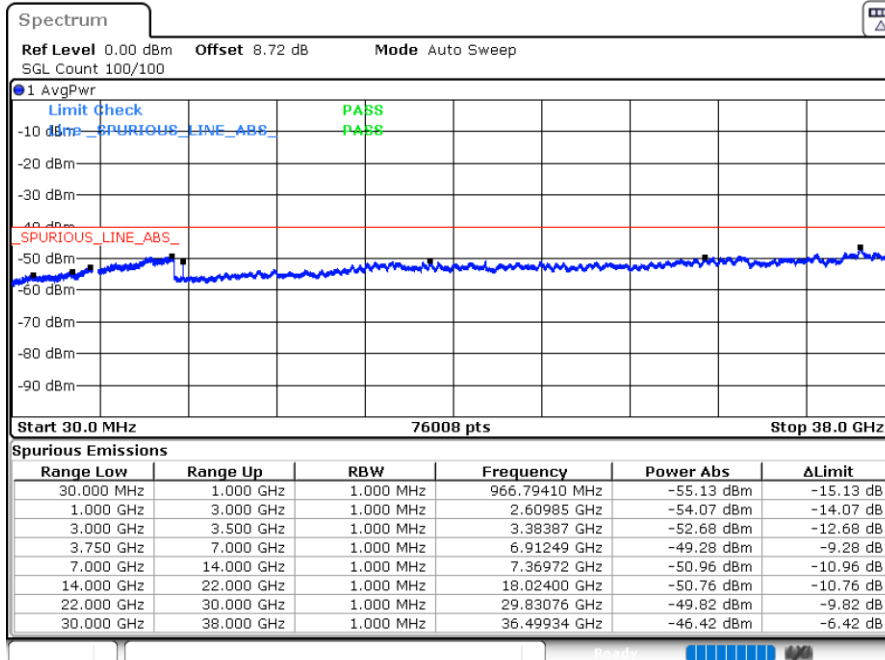


Date: 16.MAY.2023 05:33:47



Date: 16.MAY.2023 05:35:27

Highest Channel / 1RB99 and 1RB0



Date: 16.MAY.2023 05:37:05

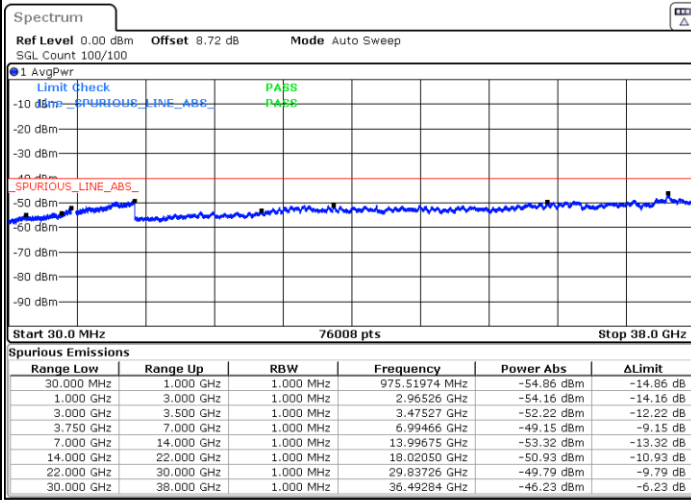


LTE Band 48C / 20MHz+20MHz

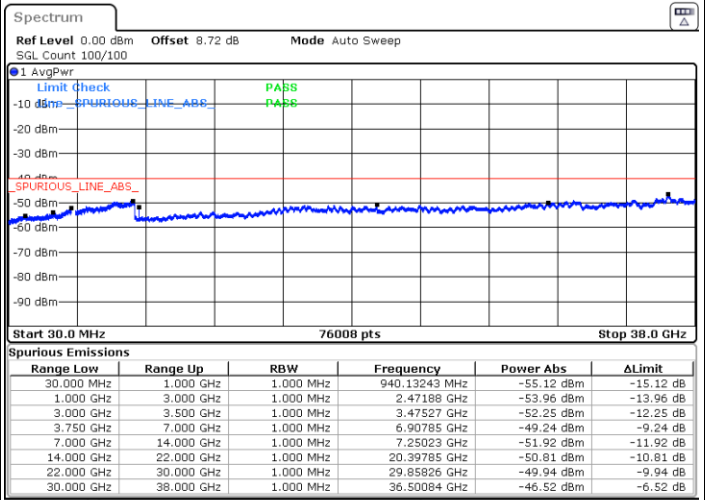
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

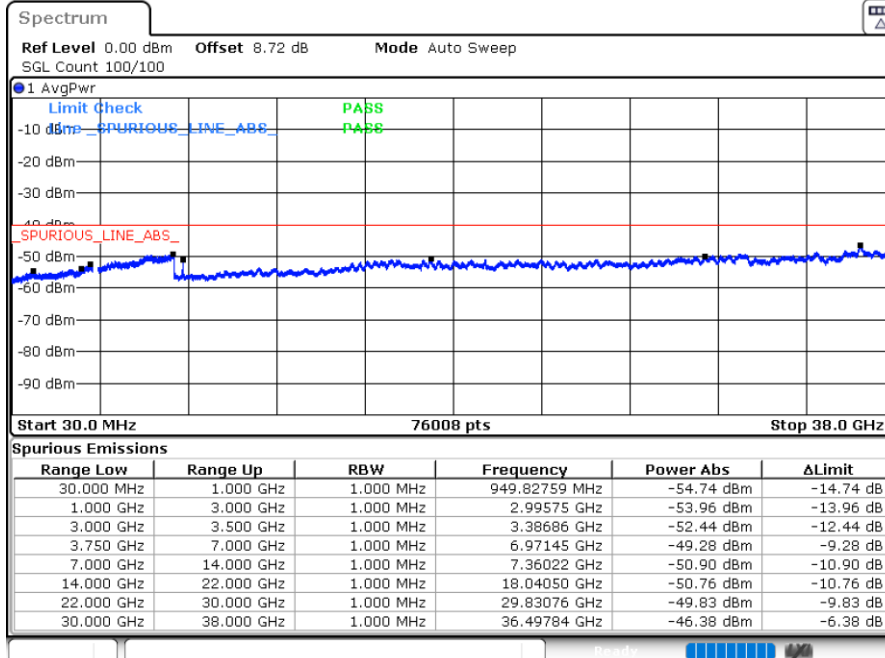


Date: 16.MAY.2023 05:38:43



Date: 16.MAY.2023 05:40:20

Highest Channel / 1RB99 and 1RB0



Date: 16.MAY.2023 05:41:58

A3.6 Frequency Stability

Test Conditions		LTE Band 48C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0031	
20	Minimum Voltage	0.0042	

Note:

1. Normal Voltage =54 V. ; Minimum Voltage =48 V. ; Maximum Voltage =57 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 :	Carl Ni	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 48 / 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	7230	-46.46	-40	-6.46	-57.92	2.84	14.30	H
	10848	-47.17	-40	-7.17	-57.11	3.49	13.43	H
	14466	-62.62	-40	-22.62	-72.86	3.85	14.09	H
	7230	-52.94	-40	-12.94	-64.40	2.84	14.30	V
	10848	-56.7	-40	-16.70	-66.64	3.49	13.43	V
	14466	-62.83	-40	-22.83	-73.07	3.85	14.09	V

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

<PCC: 1RB0>

LTE Band 48C CA / 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)
Middle	7182	-59.69	-40	-19.69	-69.90	3.03	13.24	H
	10776	-61.06	-40	-21.06	-70.51	3.56	13.01	H
	14364	-59.93	-40	-19.93	-69.45	3.92	13.44	H
	7182	-62.58	-40	-22.58	-72.79	3.03	13.24	V
	10776	-61.25	-40	-21.25	-70.70	3.56	13.01	V
	14364	-60.05	-40	-20.05	-69.57	3.92	13.44	V

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

<SCC: 1RB MAX>

LTE Band 48C CA / 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)
Middle	7218	-62.71	-40	-22.71	-72.92	3.03	13.24	H
	10824	-60.72	-40	-20.72	-70.17	3.56	13.01	H
	14436	-59.21	-40	-19.21	-68.73	3.92	13.44	H
	7218	-63.17	-40	-23.17	-73.38	3.03	13.24	V
	10824	-61.05	-40	-21.05	-70.50	3.56	13.01	V
	14436	-59.23	-40	-19.23	-68.75	3.92	13.44	V

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