

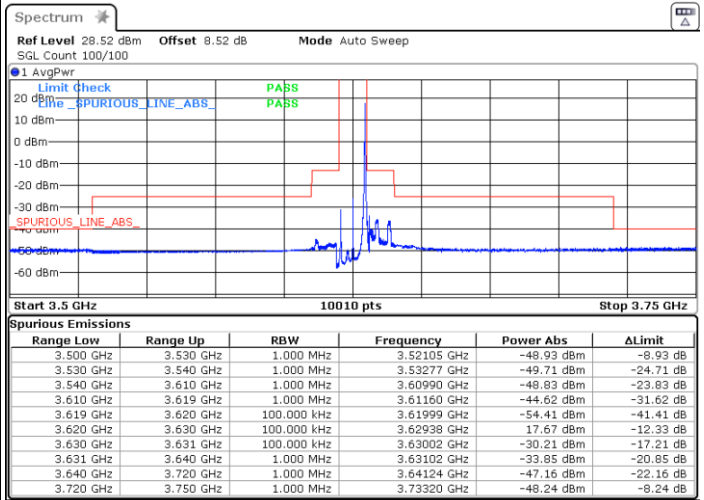
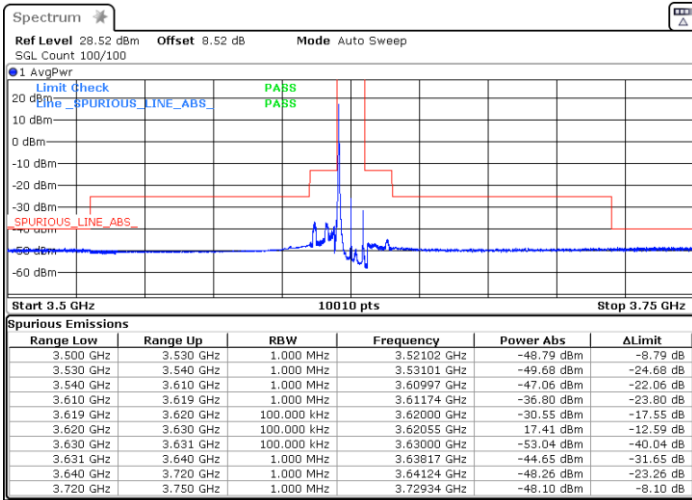


LTE Band 48 / 10MHz

16QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax

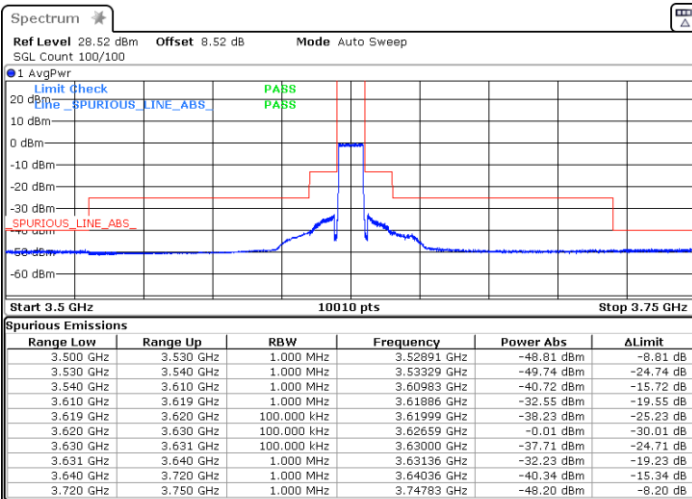


Date: 8.JAN.2021 01:10:36

Date: 8.JAN.2021 01:05:51

Middle Channel / Full RB

N/A



Date: 8.JAN.2021 01:13:46

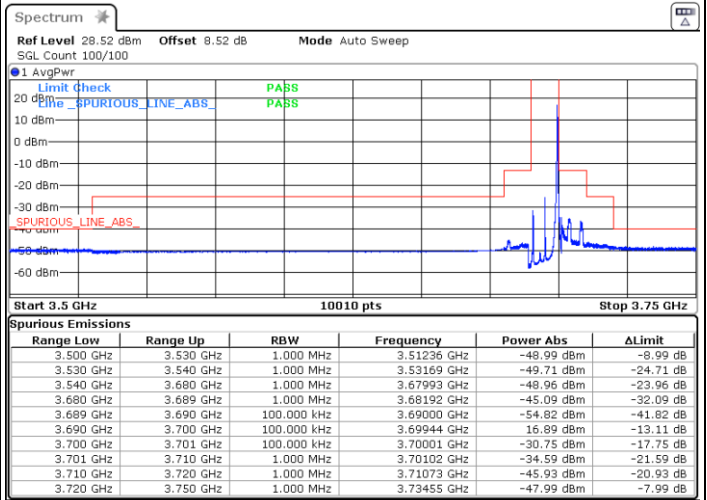
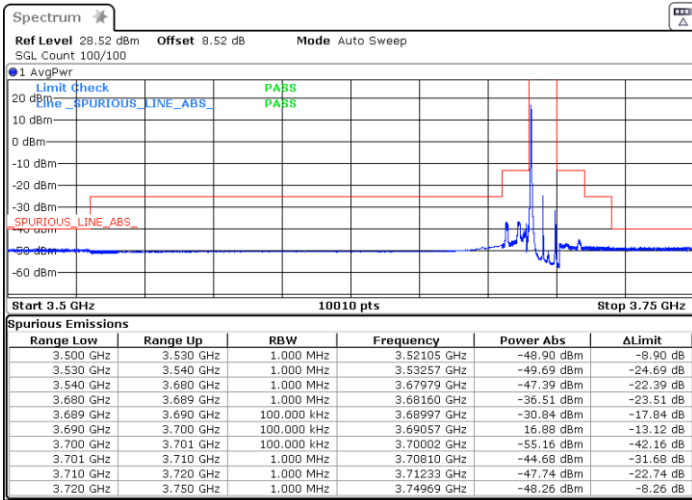


LTE Band 48 / 10MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

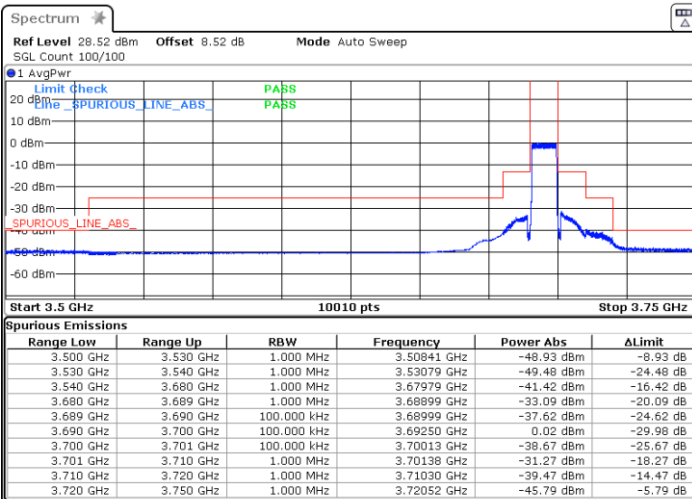


Date: 8.JAN.2021 01:21:37

Date: 8.JAN.2021 01:25:01

Highest Channel / Full RB

N/A



Date: 8.JAN.2021 01:18:20

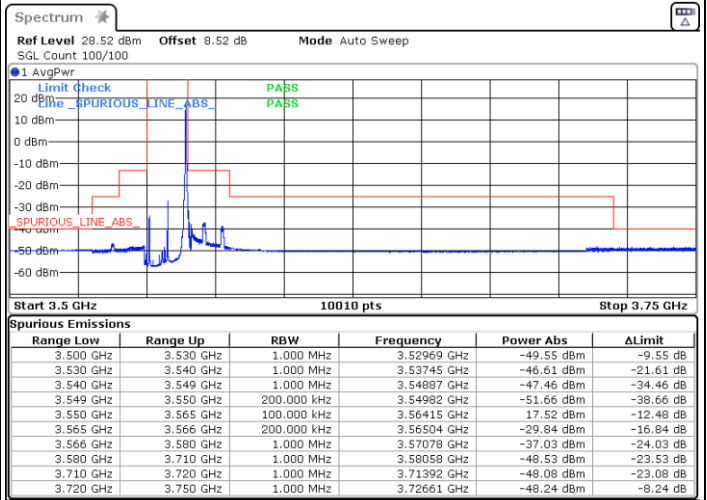
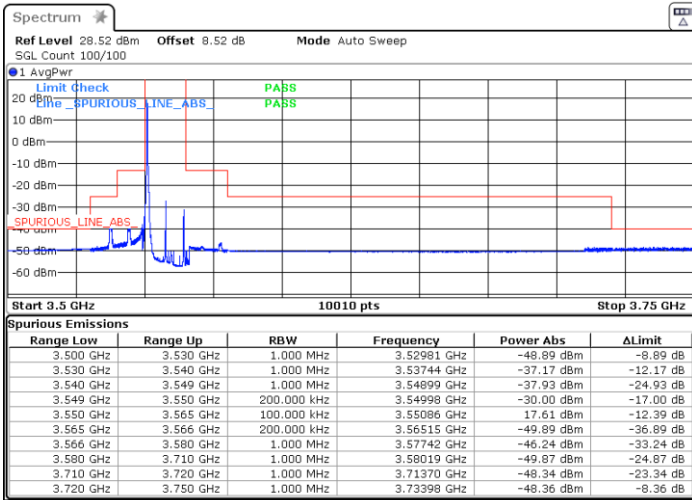


LTE Band 48 / 15MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

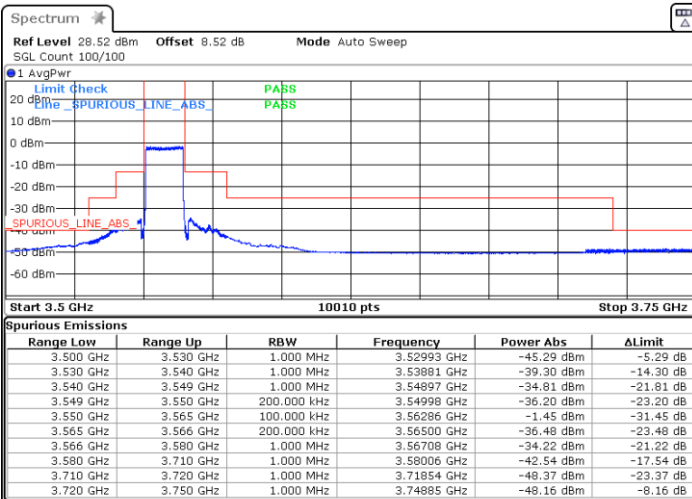


Date: 8.JAN.2021 01:41:01

Date: 8.JAN.2021 01:37:01

Lowest Channel / Full RB

N/A



Date: 8.JAN.2021 01:45:57

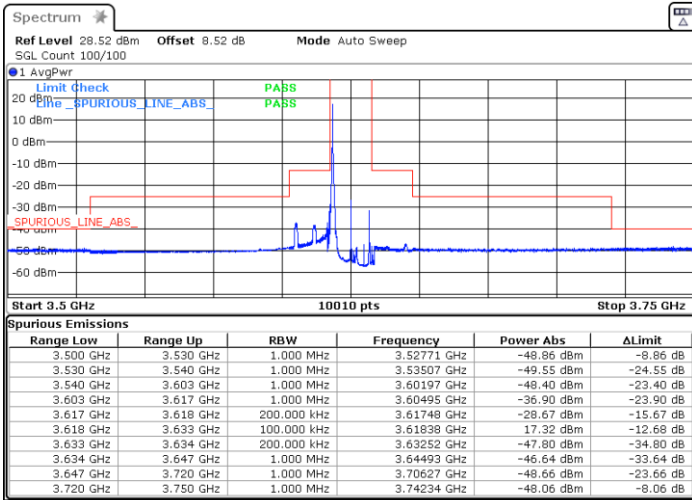


LTE Band 48 / 15MHz

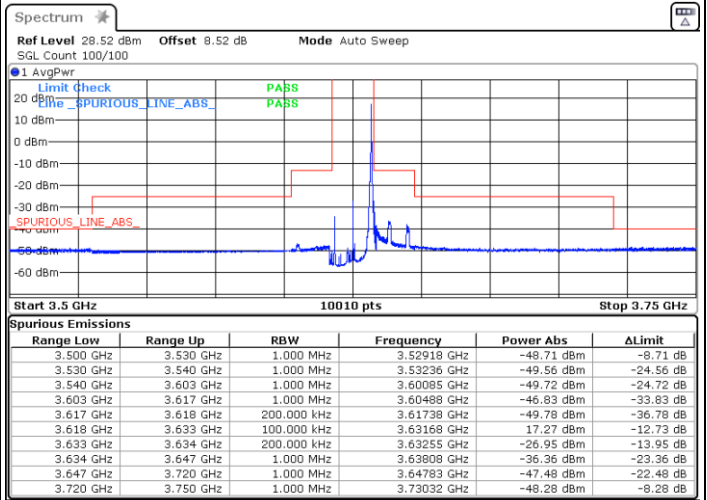
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



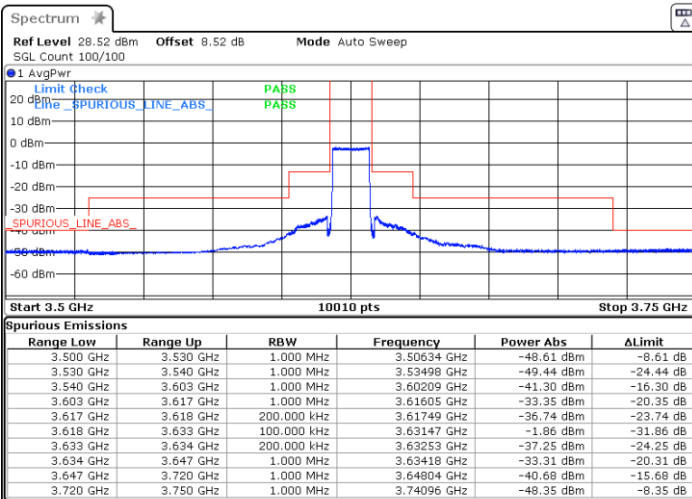
Date: 8.JAN.2021 01:53:35



Date: 8.JAN.2021 01:57:09

Middle Channel / Full RB

N/A



Date: 8.JAN.2021 01:49:57

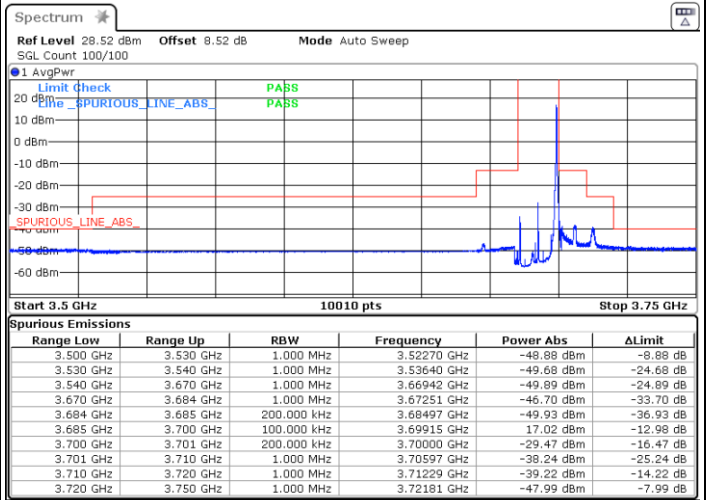
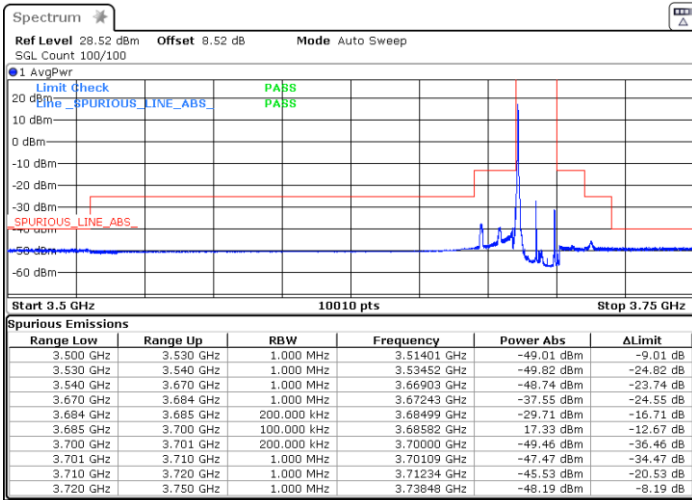


LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

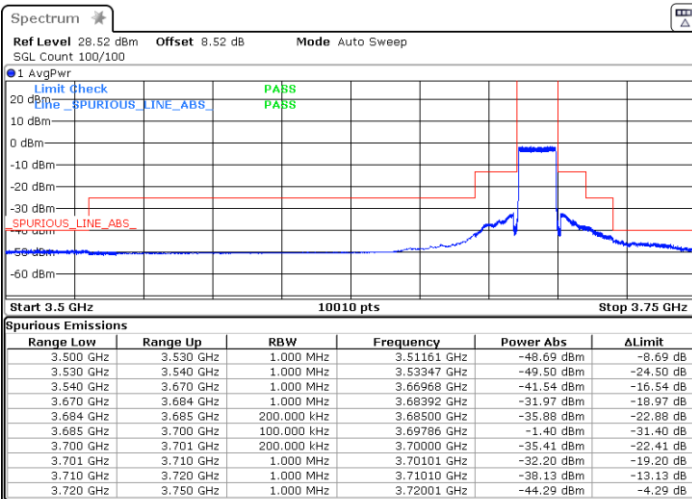


Date: 8.JAN.2021 02:07:42

Date: 8.JAN.2021 02:02:48

Highest Channel / Full RB

N/A



Date: 8.JAN.2021 02:14:48

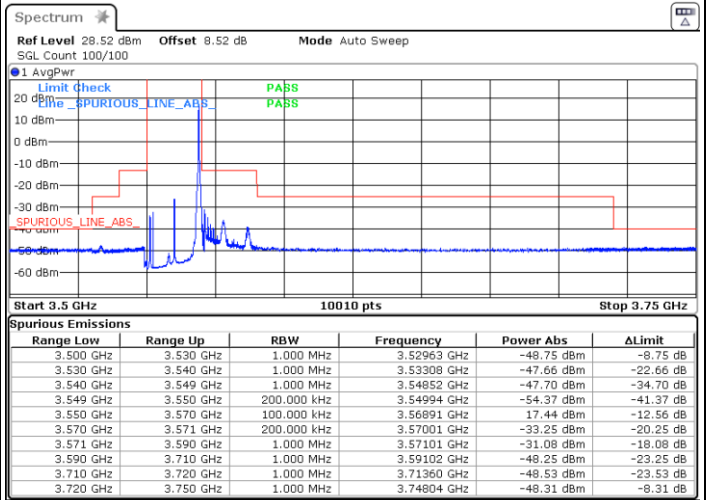
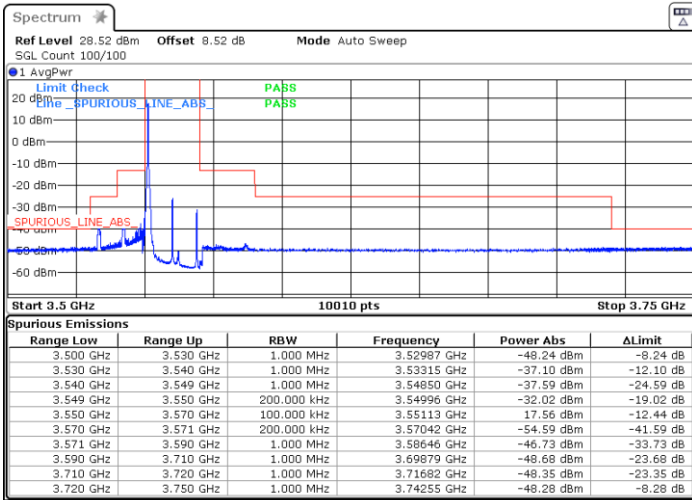


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

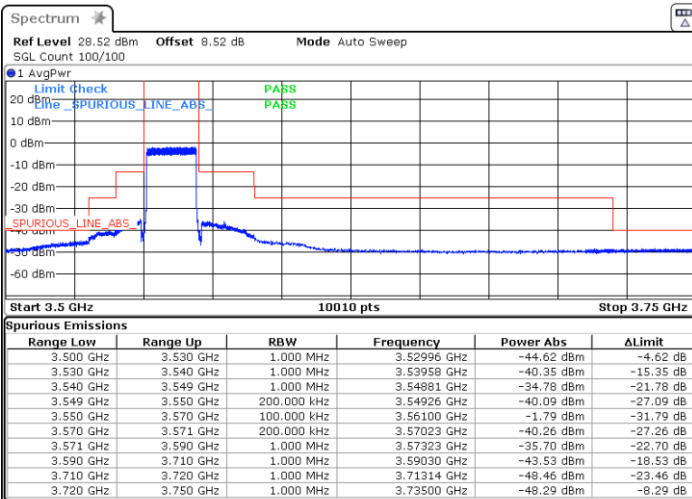


Date: 8.JAN.2021 02:33:24

Date: 8.JAN.2021 02:38:43

Lowest Channel / Full RB

N/A



Date: 8.JAN.2021 02:26:57

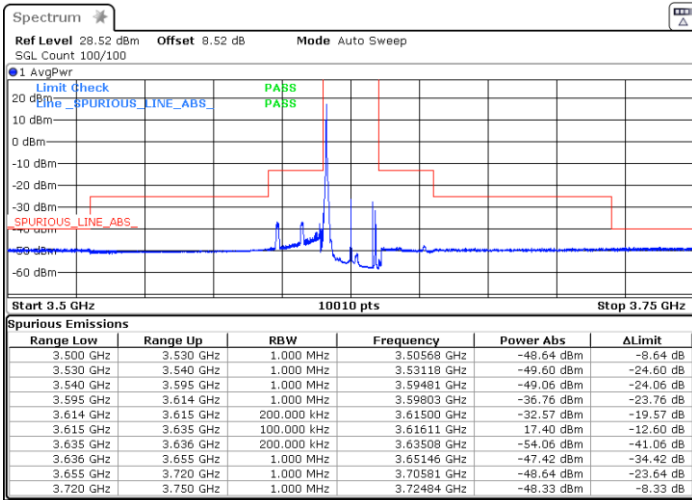


LTE Band 48 / 20MHz

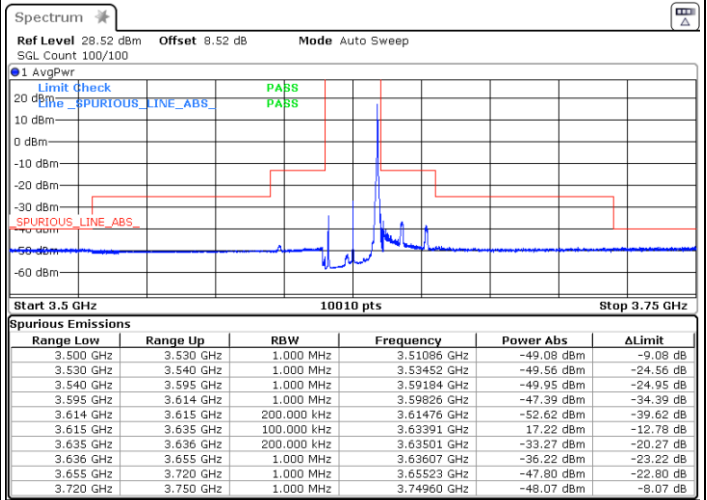
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



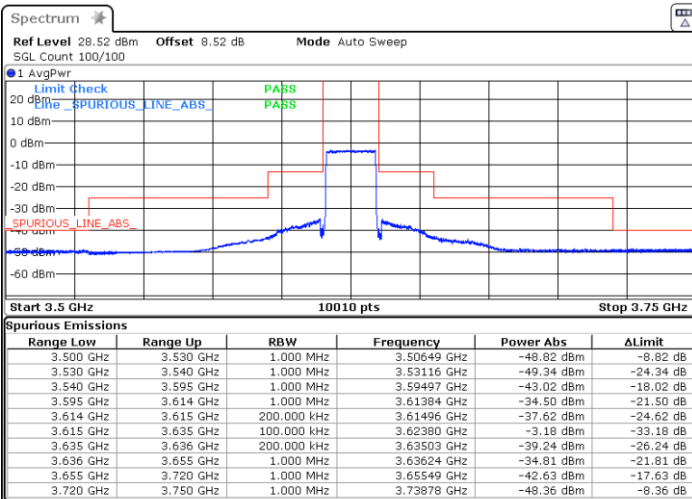
Date: 8.JAN.2021 03:02:06



Date: 8.JAN.2021 02:47:41

Middle Channel / Full RB

N/A



Date: 8.JAN.2021 02:54:14

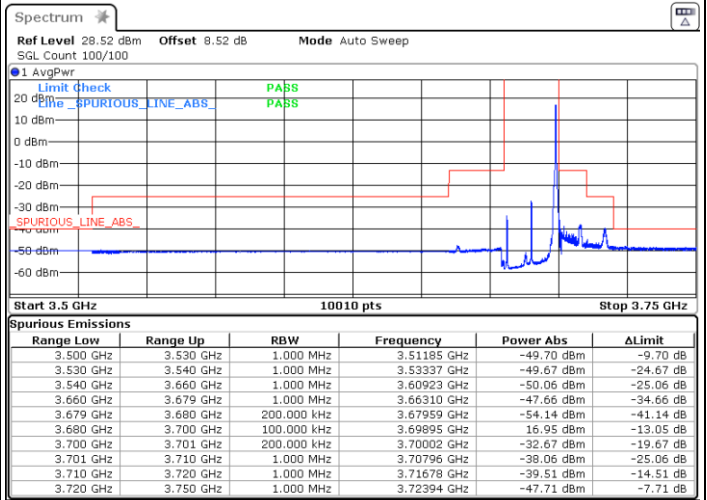
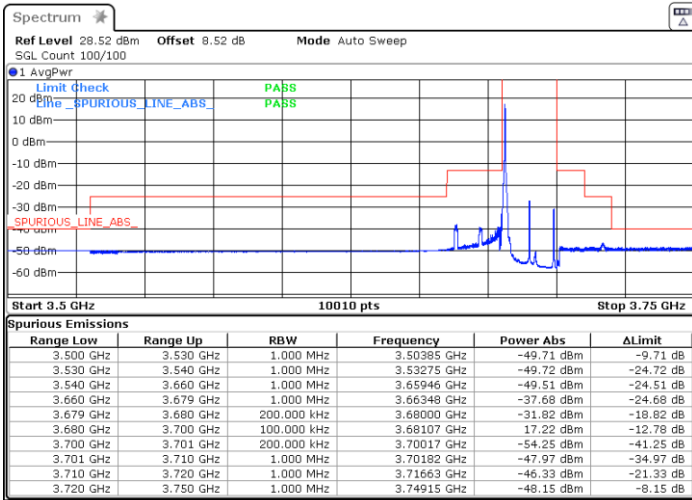


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

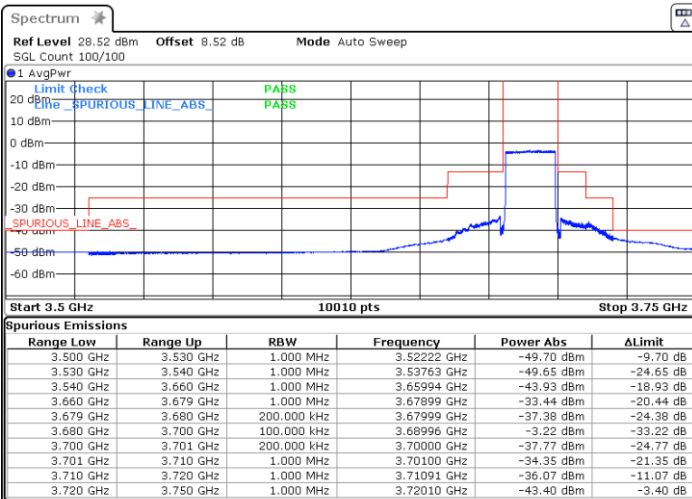


Date: 8.JAN.2021 03:15:30

Date: 8.JAN.2021 03:21:51

Highest Channel / Full RB

N/A



Date: 8.JAN.2021 03:30:14

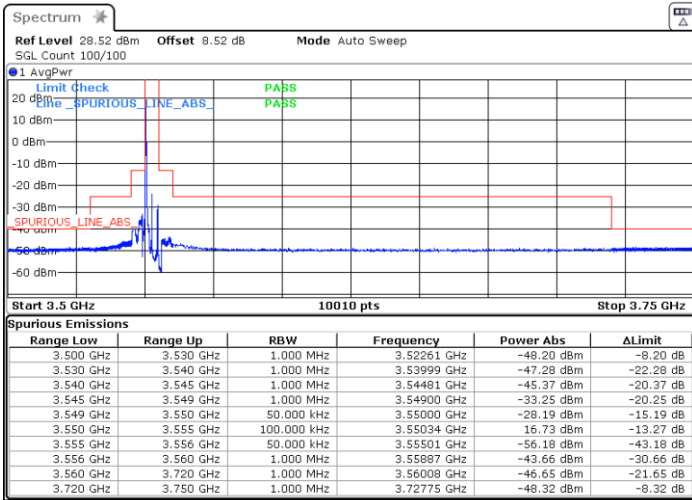


LTE Band 48 / 5MHz

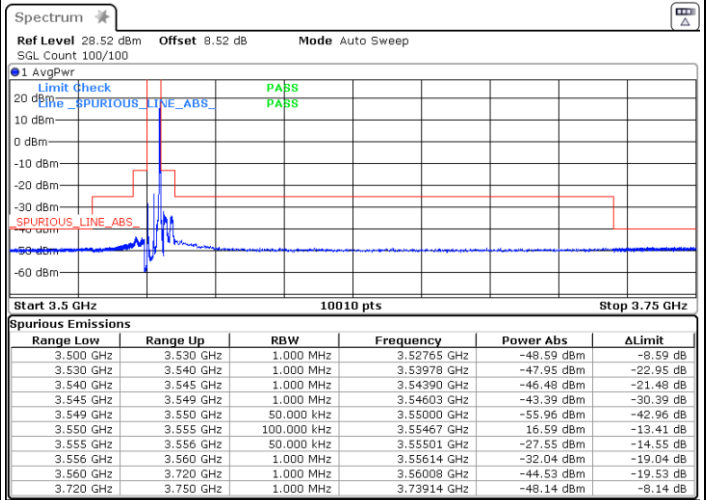
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



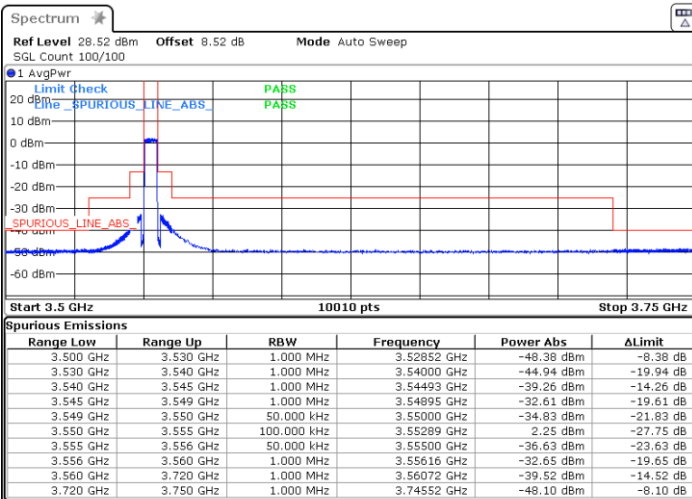
Date: 8. JAN. 2021 00:56:55



Date: 8. JAN. 2021 01:01:34

Lowest Channel / Full RB

N/A



Date: 8. JAN. 2021 00:52:33

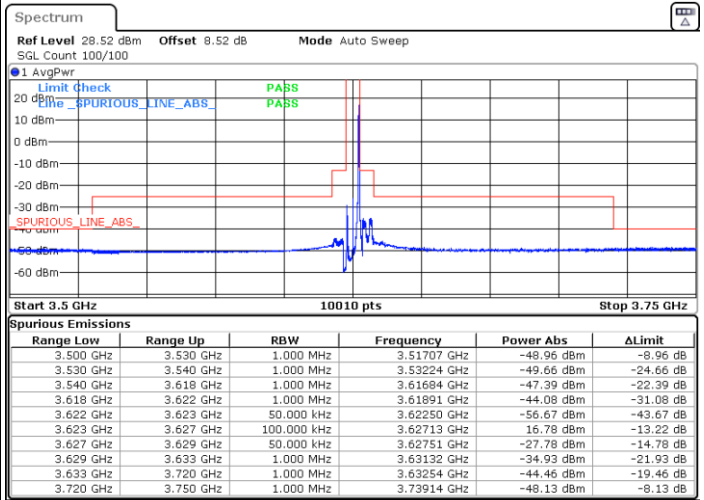
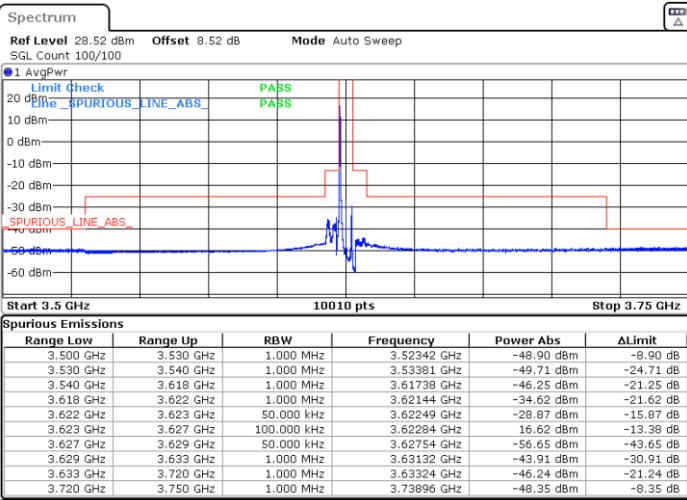


LTE Band 48 / 5MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

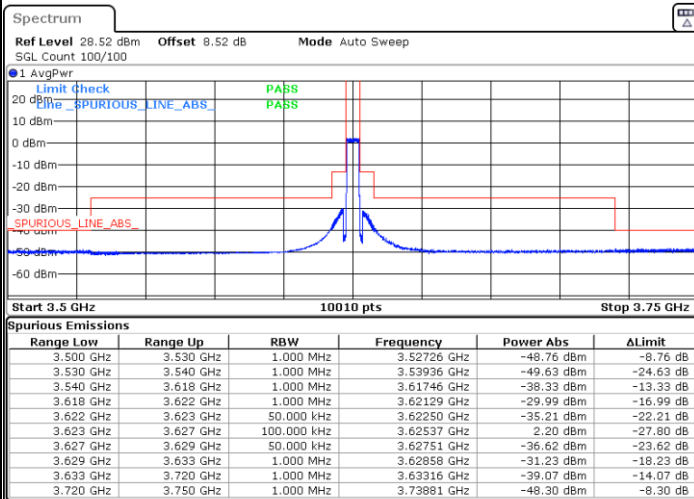


Date: 7. JAN. 2021 23:39:30

Date: 7. JAN. 2021 23:00:43

Middle Channel / Full RB

N/A



Date: 7. JAN. 2021 23:43:48

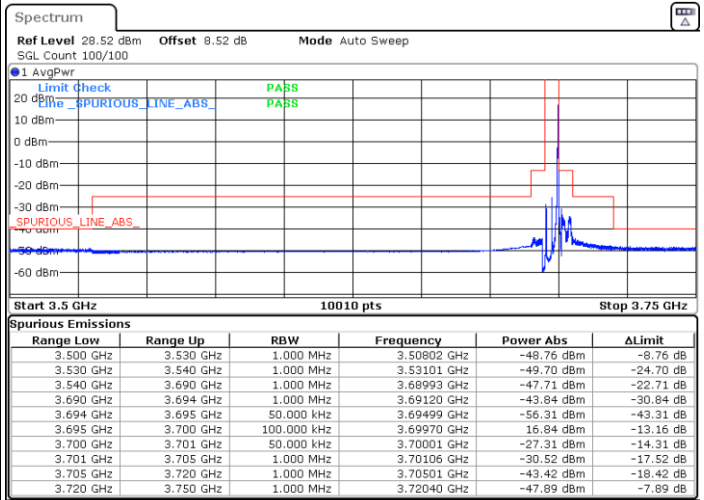
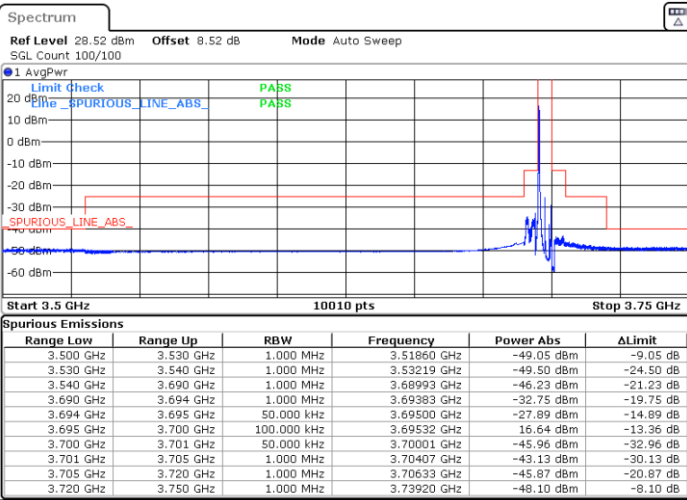


LTE Band 48 / 5MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

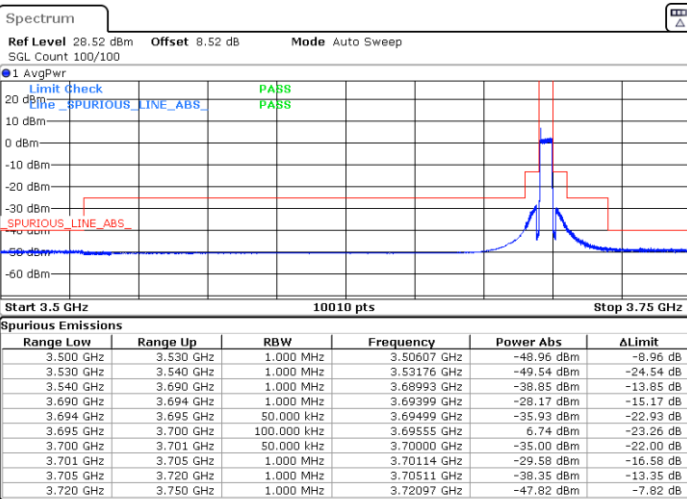


Date: 7. JAN. 2021 23:50:38

Date: 7. JAN. 2021 23:53:52

Highest Channel / Full RB

N/A



Date: 7. JAN. 2021 23:47:32

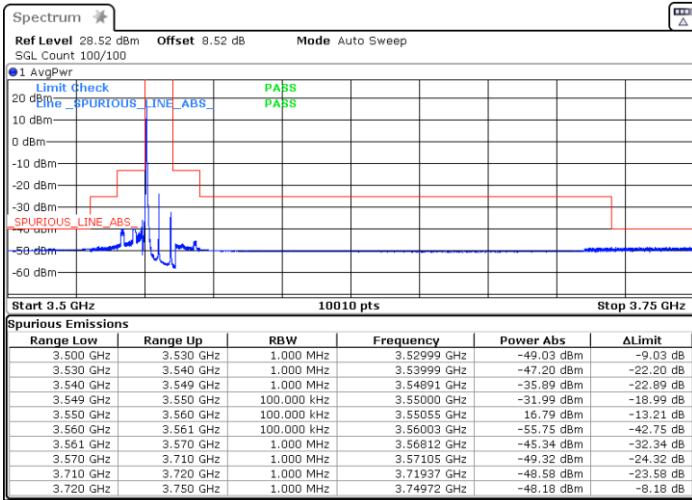


LTE Band 48 / 10MHz

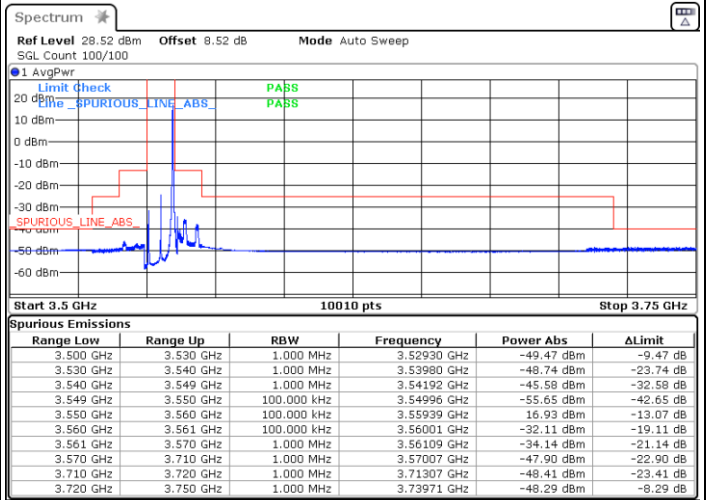
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



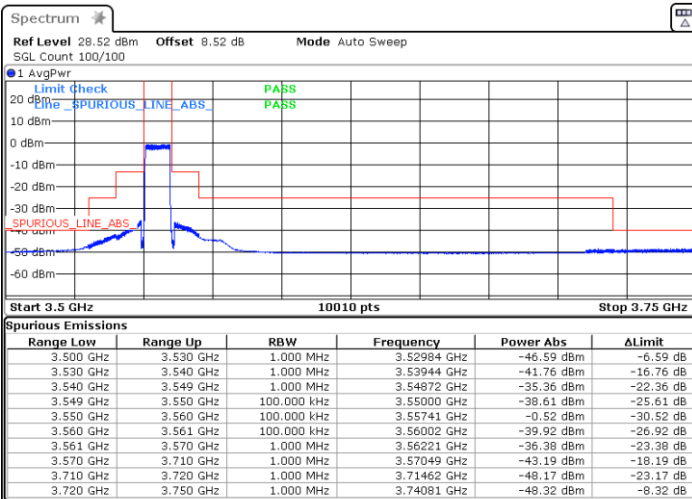
Date: 8.JAN.2021 00:43:29



Date: 8.JAN.2021 00:46:50

Lowest Channel / Full RB

N/A



Date: 8.JAN.2021 00:39:57

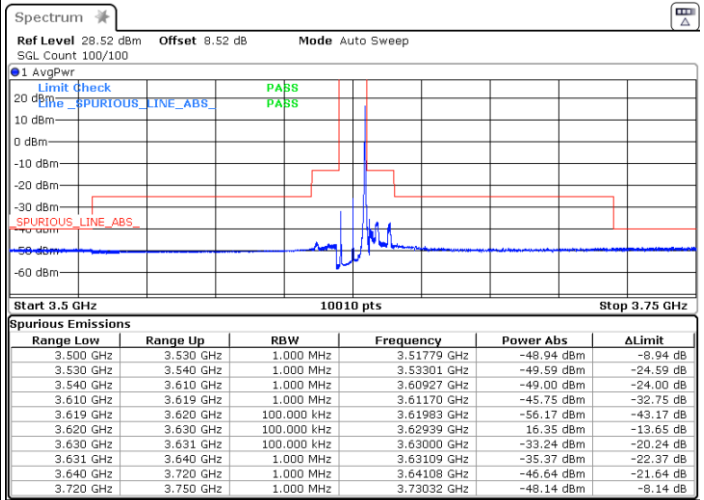
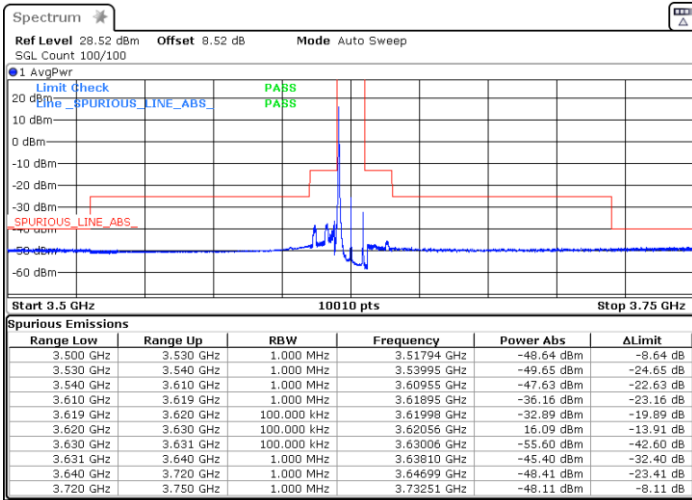


LTE Band 48 / 10MHz

64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax

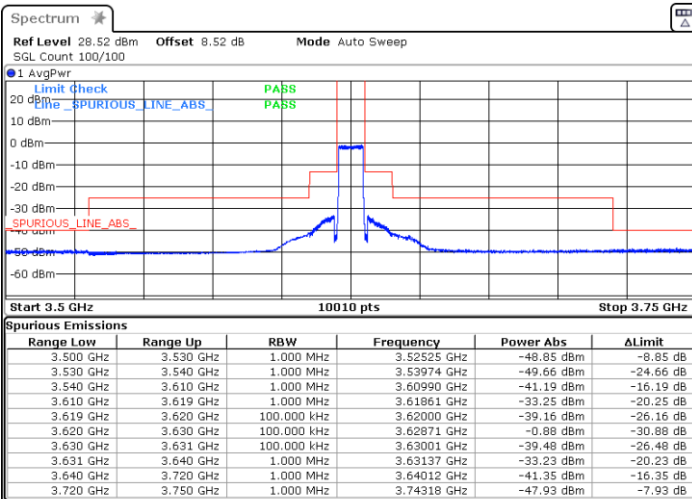


Date: 8.JAN.2021 01:11:29

Date: 8.JAN.2021 01:06:45

Middle Channel / Full RB

N/A



Date: 8.JAN.2021 01:14:38

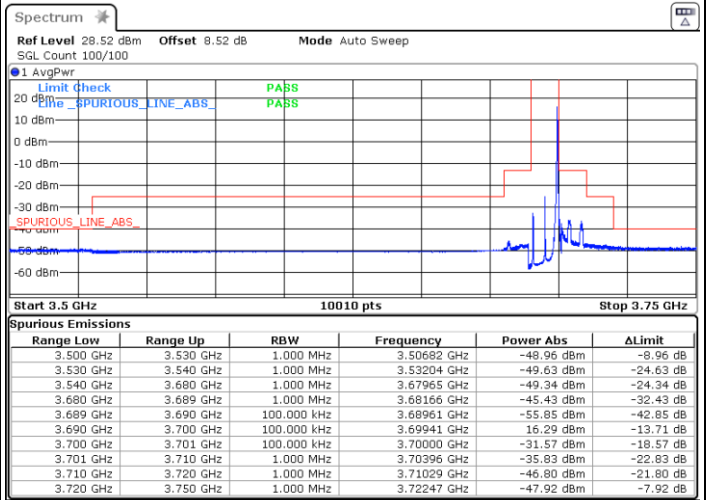
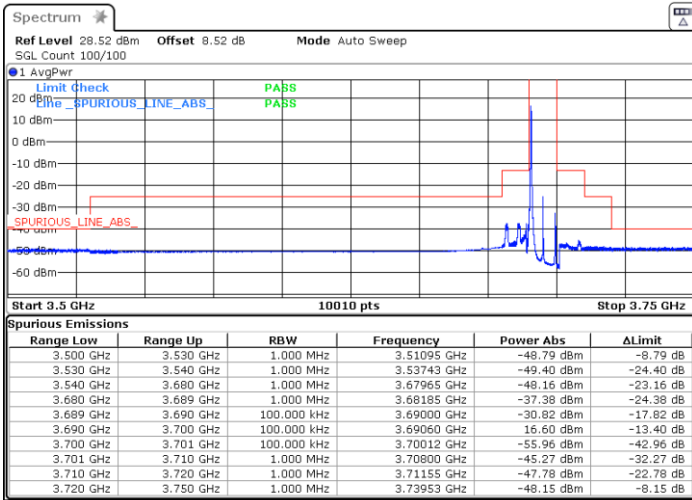


LTE Band 48 / 10MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

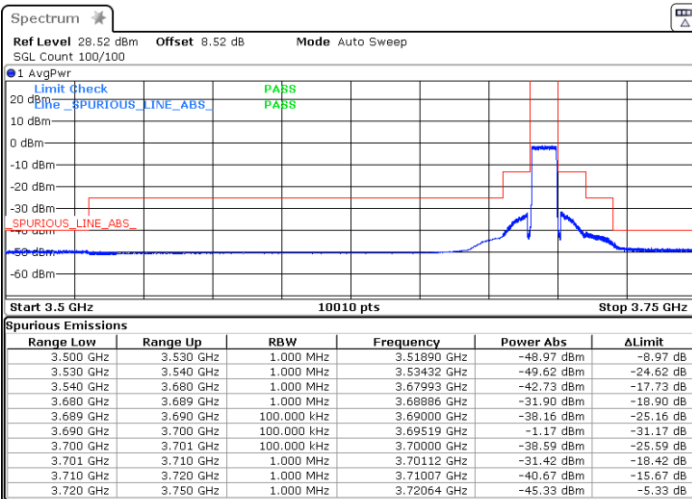


Date: 8.JAN.2021 01:22:43

Date: 8.JAN.2021 01:26:01

Highest Channel / Full RB

N/A



Date: 8.JAN.2021 01:19:21

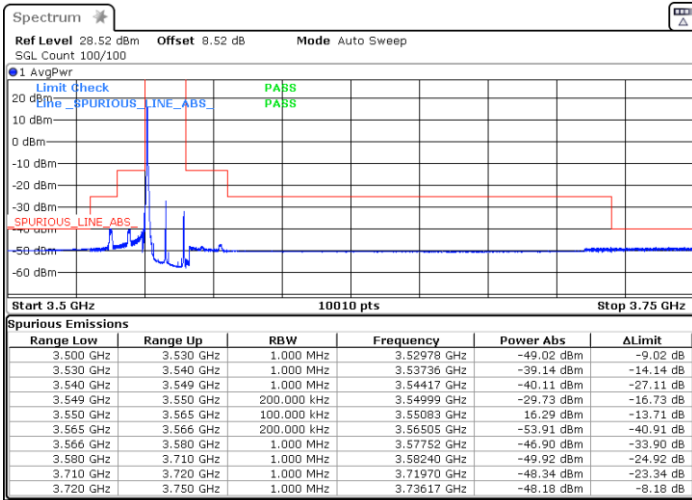


LTE Band 48 / 15MHz

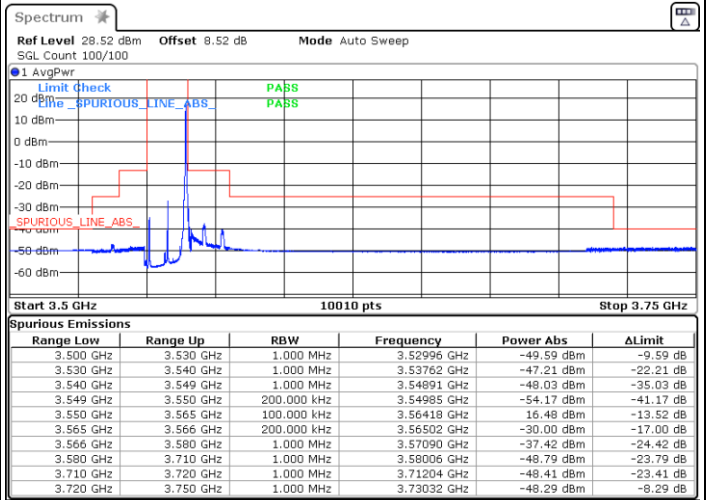
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



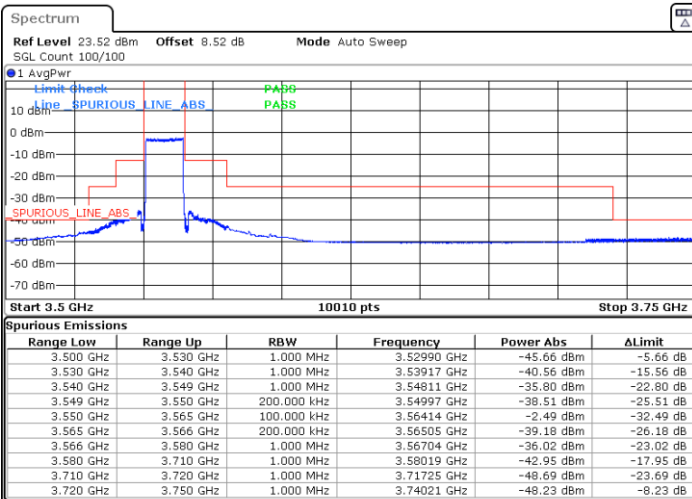
Date: 8.JAN.2021 01:42:13



Date: 8.JAN.2021 01:38:26

Lowest Channel / Full RB

N/A



Date: 8.JAN.2021 01:46:57

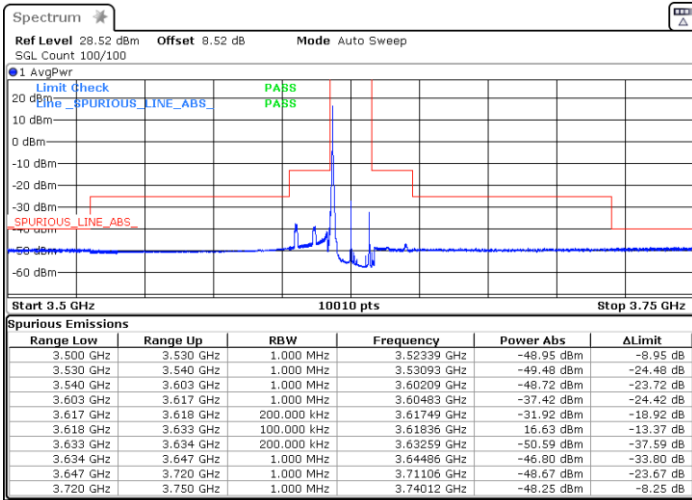


LTE Band 48 / 15MHz

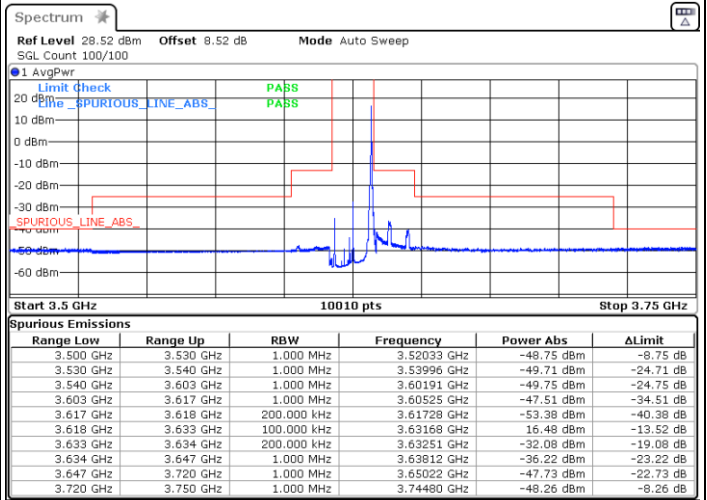
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



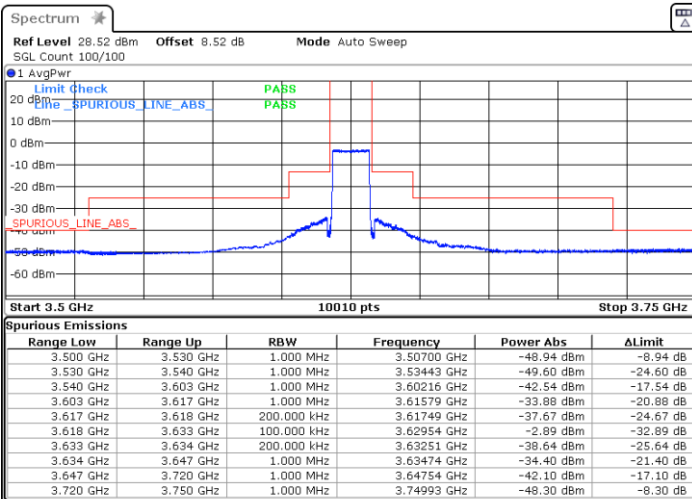
Date: 8.JAN.2021 01:54:50



Date: 8.JAN.2021 01:59:16

Middle Channel / Full RB

N/A



Date: 8.JAN.2021 01:51:00

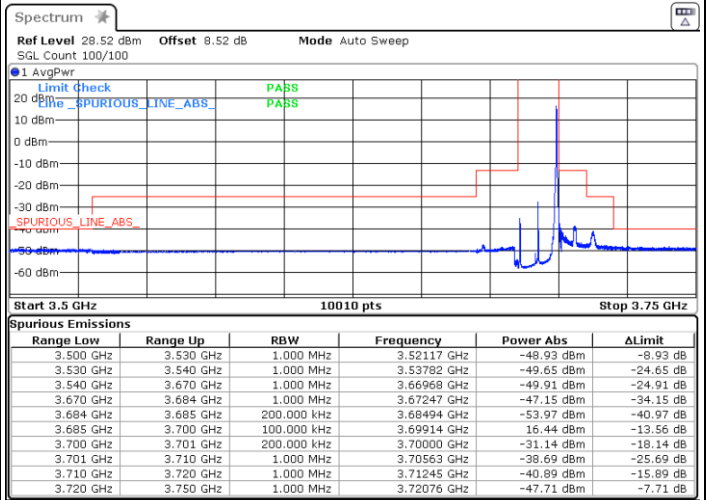
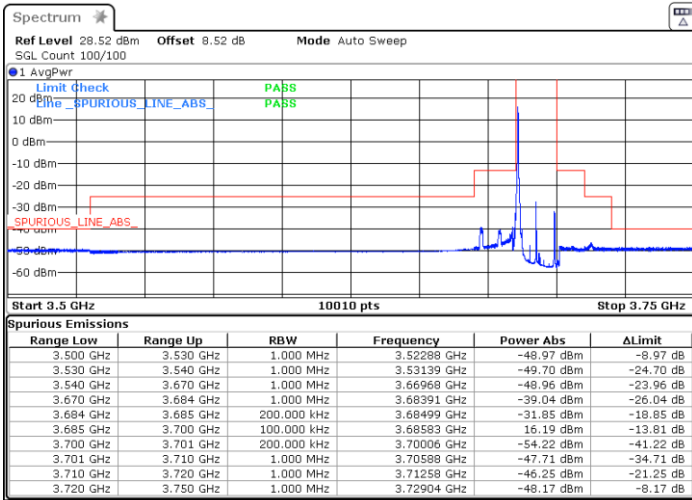


LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

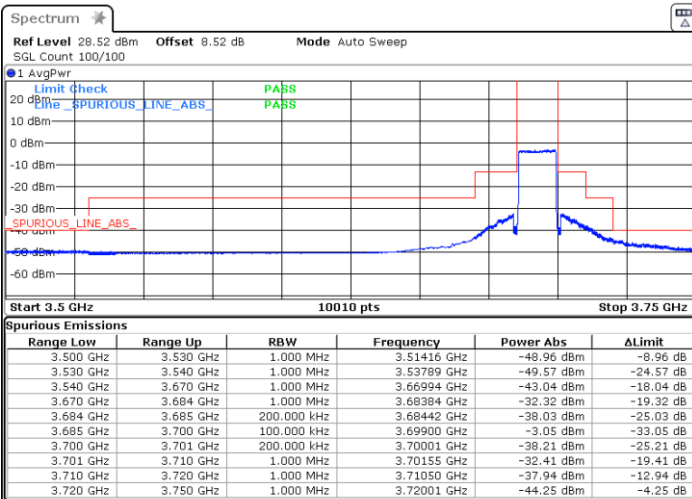


Date: 8.JAN.2021 02:09:43

Date: 8.JAN.2021 02:04:27

Highest Channel / Full RB

N/A



Date: 8.JAN.2021 02:16:31

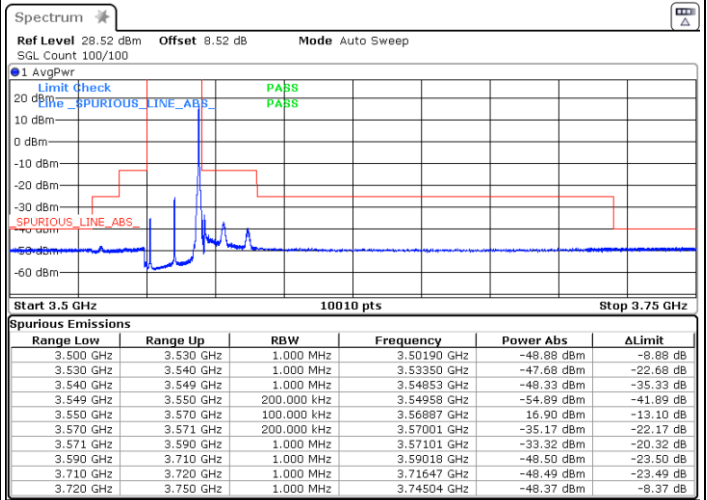
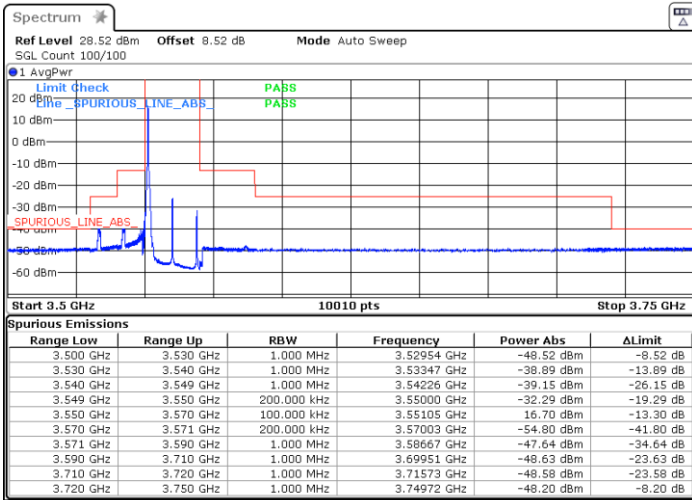


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

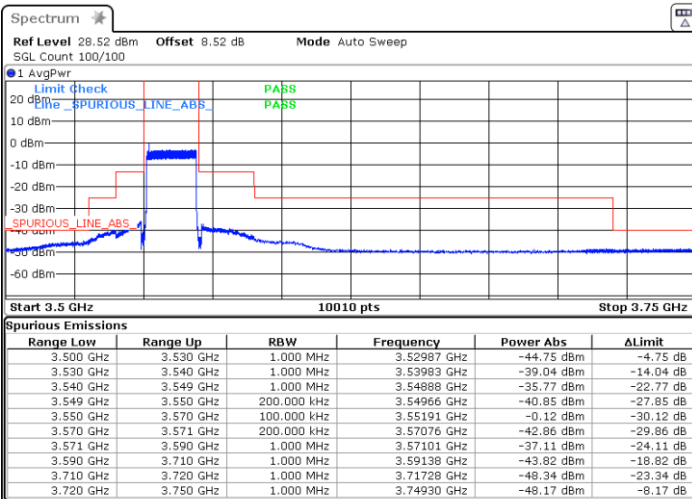


Date: 8.JAN.2021 02:35:16

Date: 8.JAN.2021 02:40:21

Lowest Channel / Full RB

N/A



Date: 8.JAN.2021 02:28:38

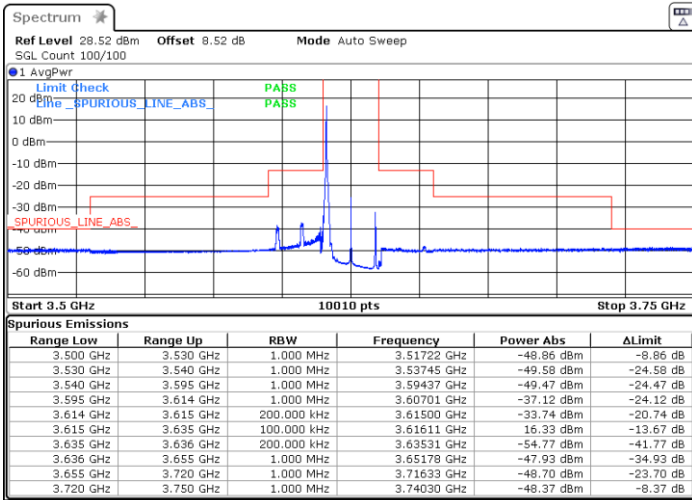


LTE Band 48 / 20MHz

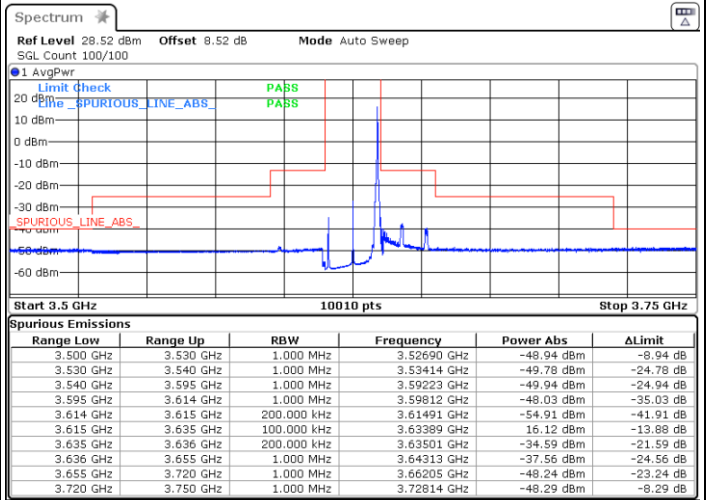
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



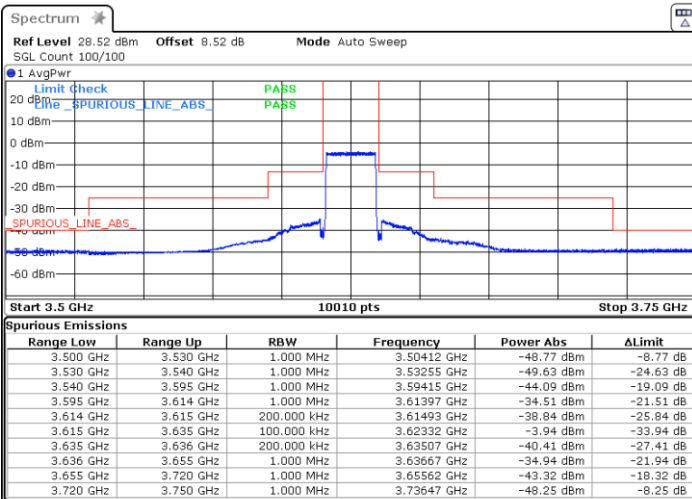
Date: 8. JAN. 2021 03:03:44



Date: 8. JAN. 2021 02:49:20

Middle Channel / Full RB

N/A



Date: 8. JAN. 2021 02:57:25

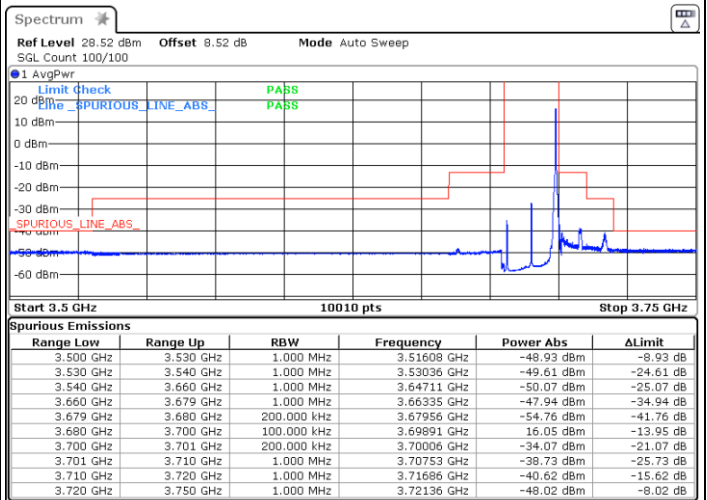
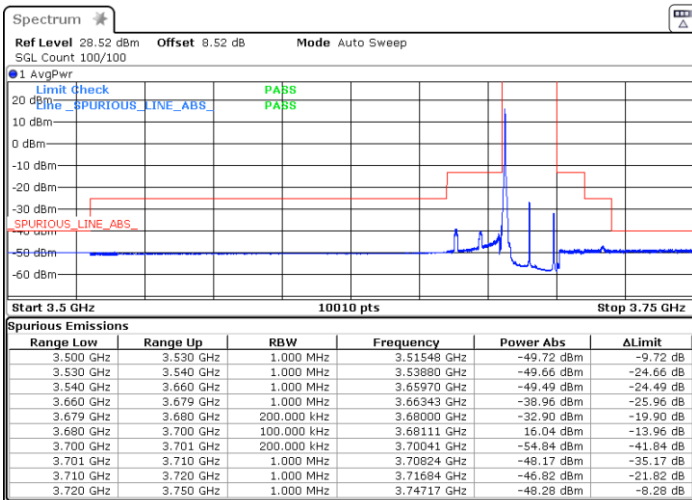


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

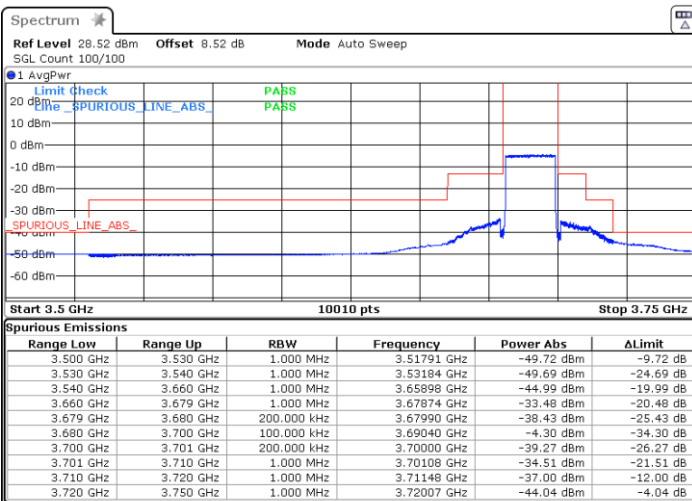


Date: 8. JAN. 2021 03:17:29

Date: 8. JAN. 2021 03:24:34

Highest Channel / Full RB

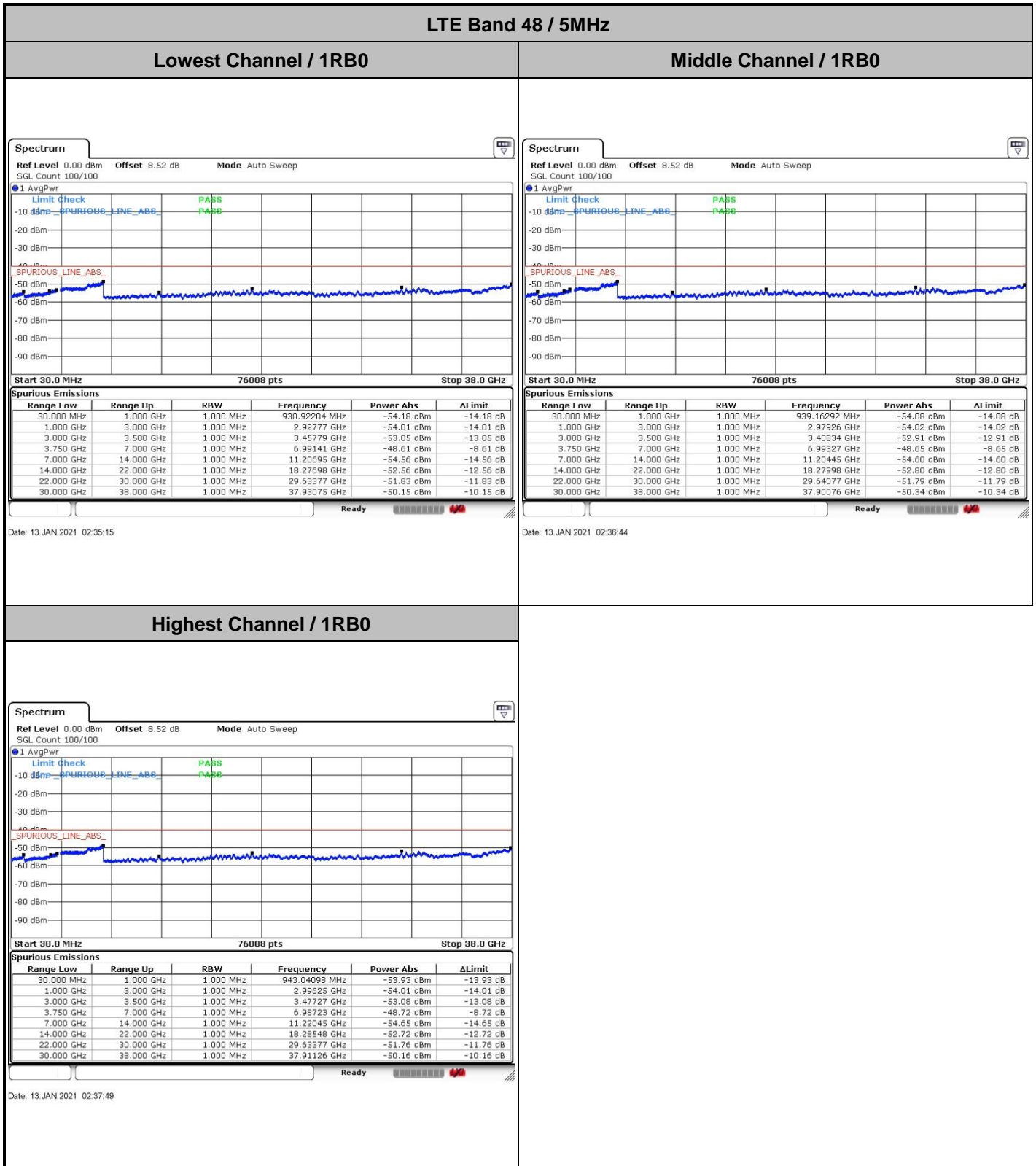
N/A



Date: 8. JAN. 2021 03:32:24



Conducted Spurious Emission

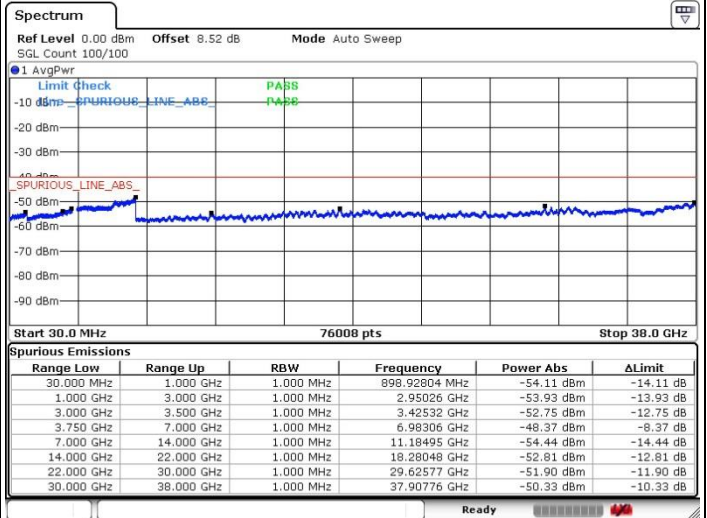
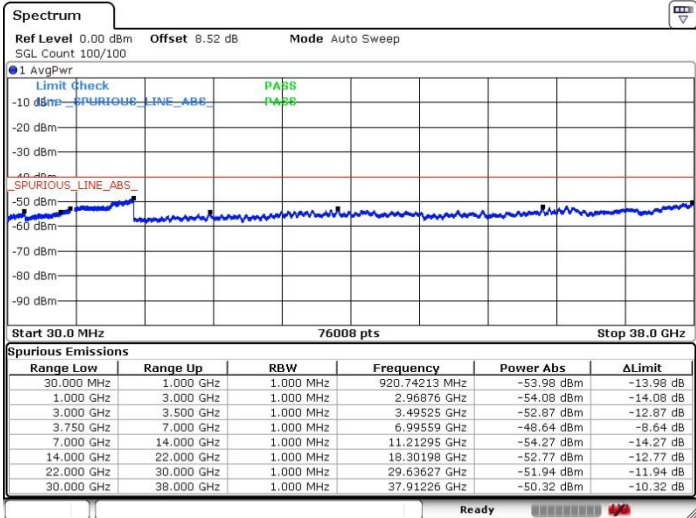




LTE Band 48 / 10MHz

Lowest Channel / 1RB0

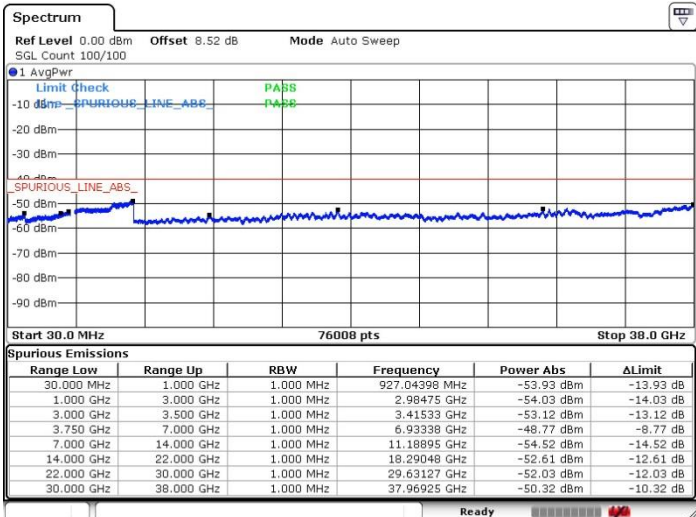
Middle Channel / 1RB0



Date: 13 JAN 2021 02:38:11

Date: 13 JAN 2021 02:40:15

Highest Channel / 1RB0



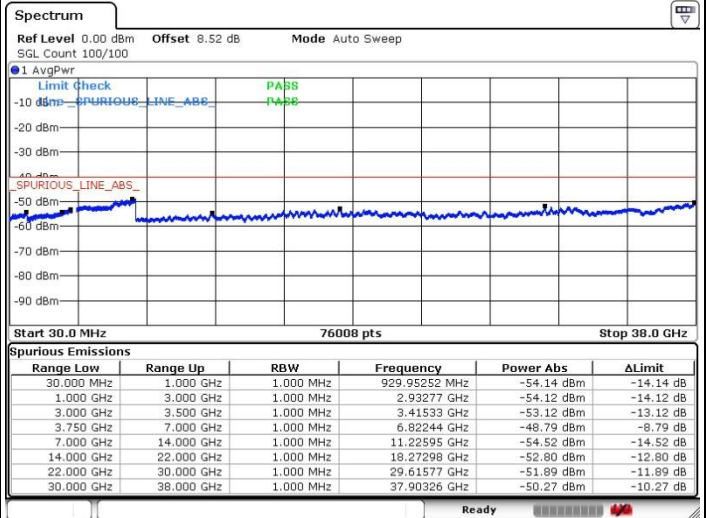
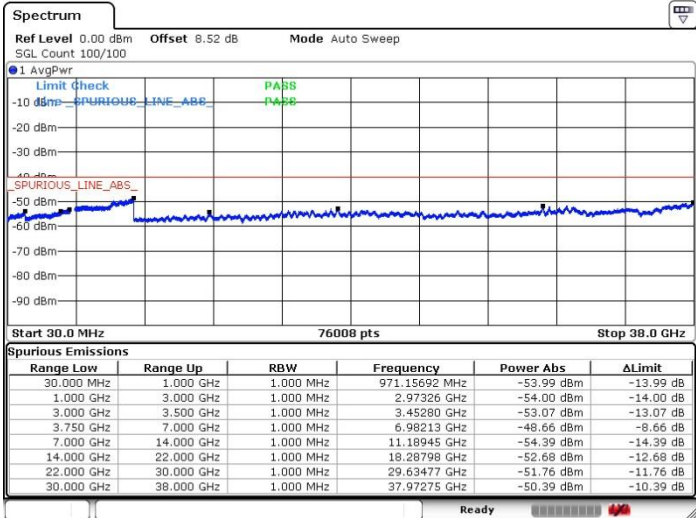
Date: 13 JAN 2021 02:41:50



LTE Band 48 / 15MHz

Lowest Channel / 1RB0

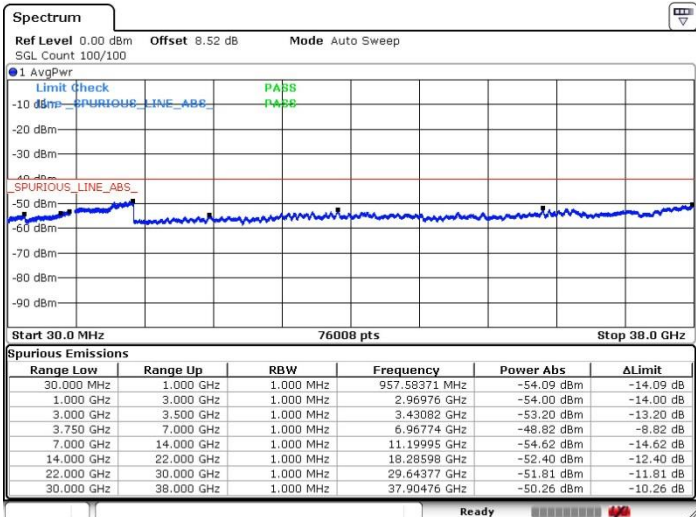
Middle Channel / 1RB0



Date: 13 JAN 2021 02:43:21

Date: 13 JAN 2021 02:44:27

Highest Channel / 1RB0



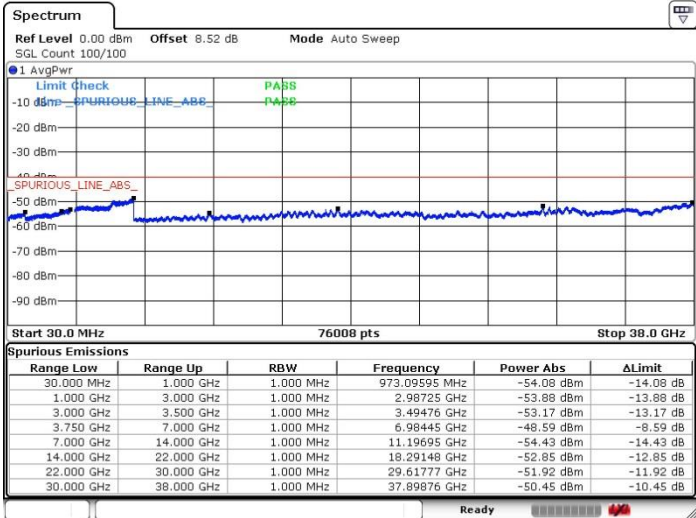
Date: 13 JAN 2021 02:45:46



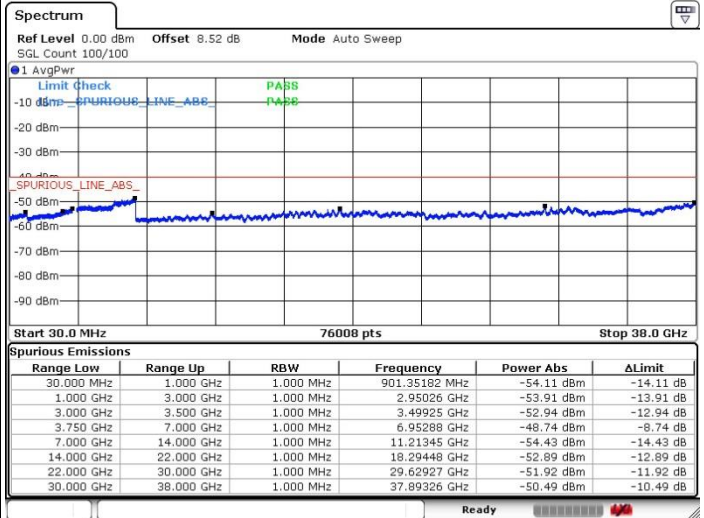
LTE Band 48 / 20MHz

Lowest Channel / 1RB0

Middle Channel / 1RB0

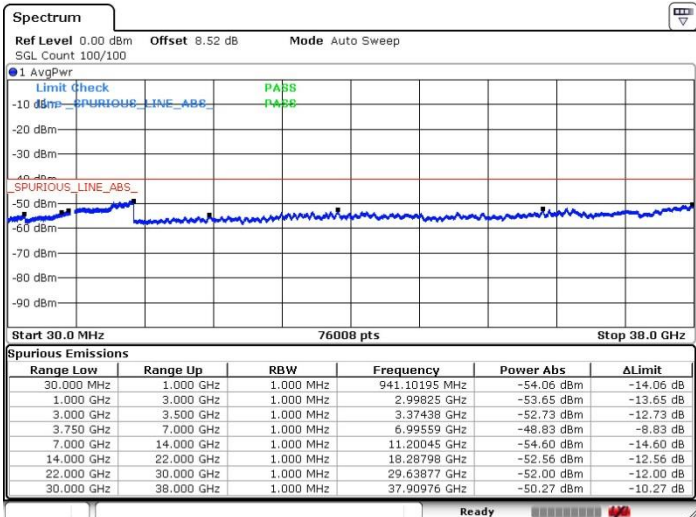


Date: 13 JAN 2021 02:47:48



Date: 13 JAN 2021 02:48:55

Highest Channel / 1RB0



Date: 13 JAN 2021 02:50:04



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0025	

Note:

- 1. Normal Voltage =7.74V. ; Battery End Point (BEP) =7.3 V. ; Maximum Voltage =8.7 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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	-60.16	-40	-20.16	-71.62	2.84	14.30	H
	10848	-55.31	-40	-15.31	-65.25	3.49	13.43	H
	14466	-59.38	-40	-19.38	-69.62	3.85	14.09	H
	7230	-60.20	-40	-20.20	-71.66	2.84	14.30	V
	10848	-56.57	-40	-16.57	-66.51	3.49	13.43	V
	14466	-59.08	-40	-19.08	-69.32	3.85	14.09	V

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