

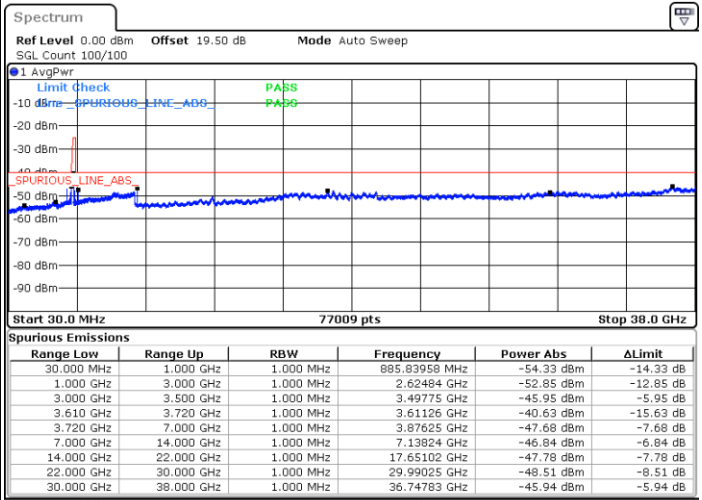
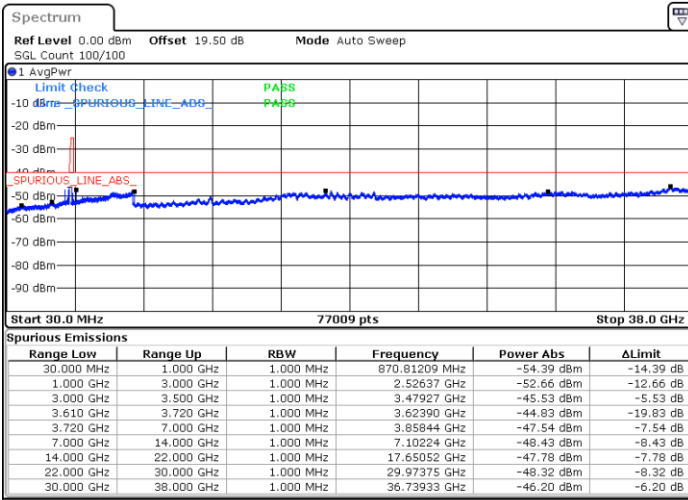


LTE Band 48 / 20MHz

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

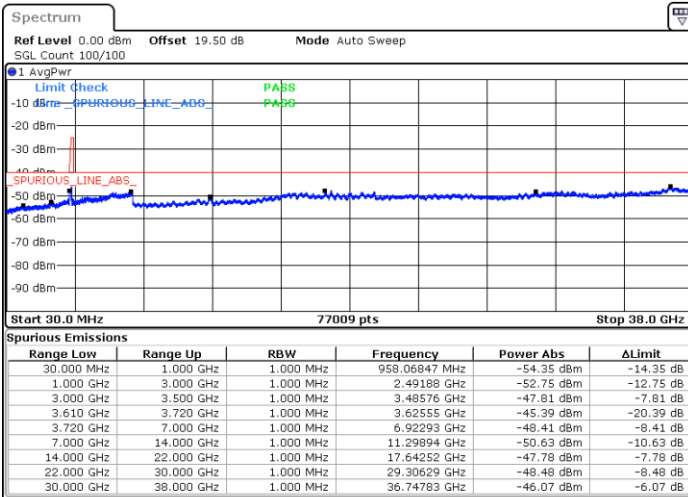


Date: 14.JUL.2021 18:01:17

Date: 14.JUL.2021 18:12:15

Lowest Channel / FullIRB

N/A



Date: 14.JUL.2021 17:50:19

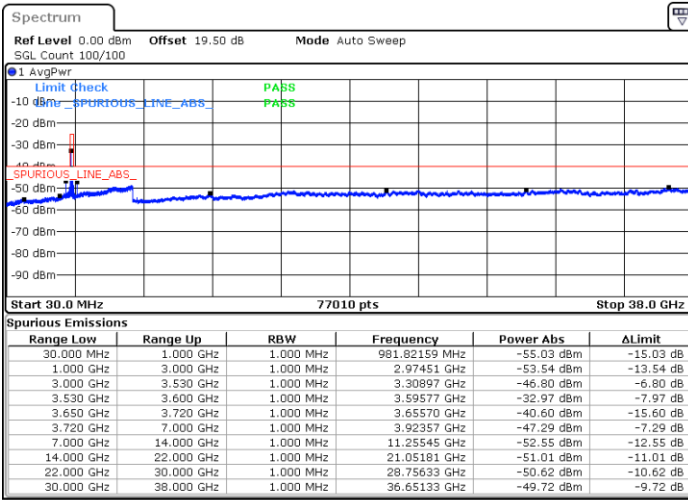


LTE Band 48 / 20MHz

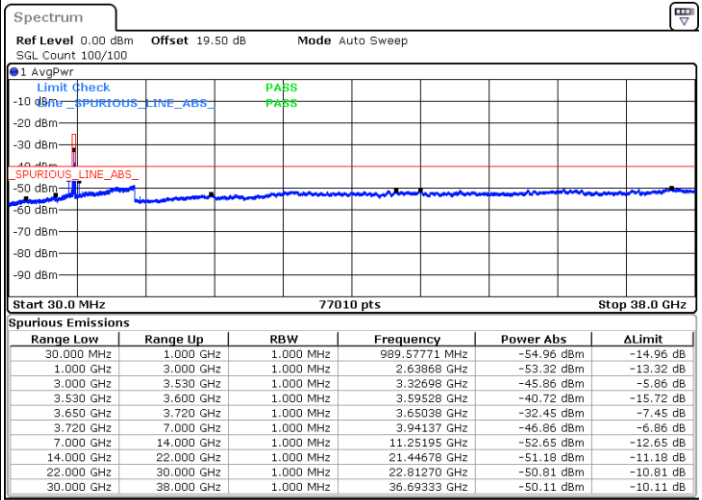
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax



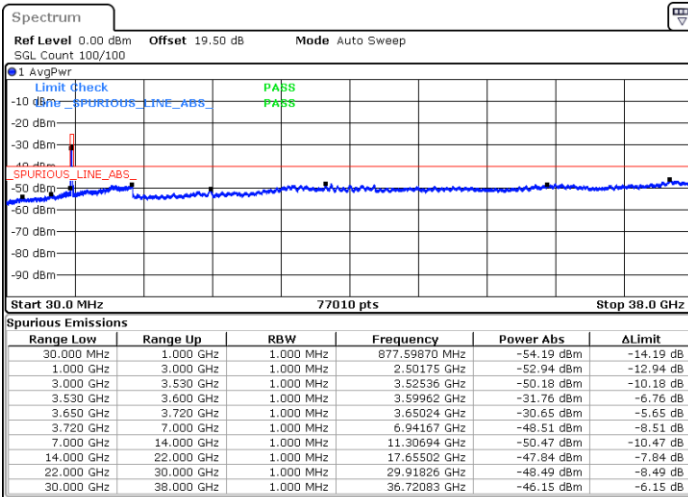
Date: 15. JUL. 2021 01:17:23



Date: 15. JUL. 2021 01:18:48

Middle Channel / FullIRB

N/A



Date: 14. JUL. 2021 17:51:32

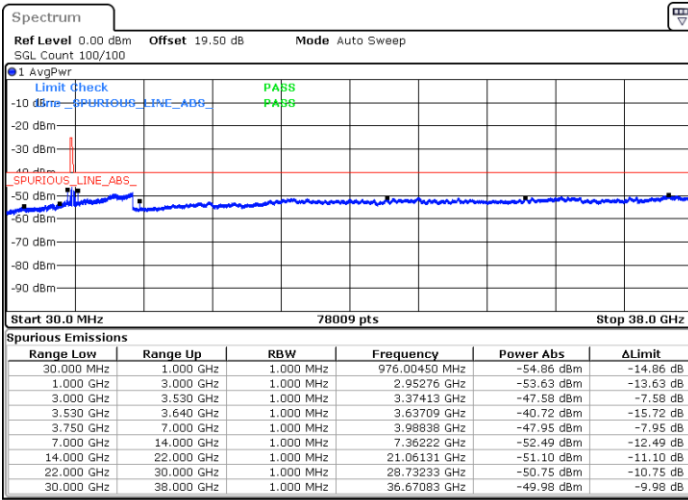


LTE Band 48 / 20MHz

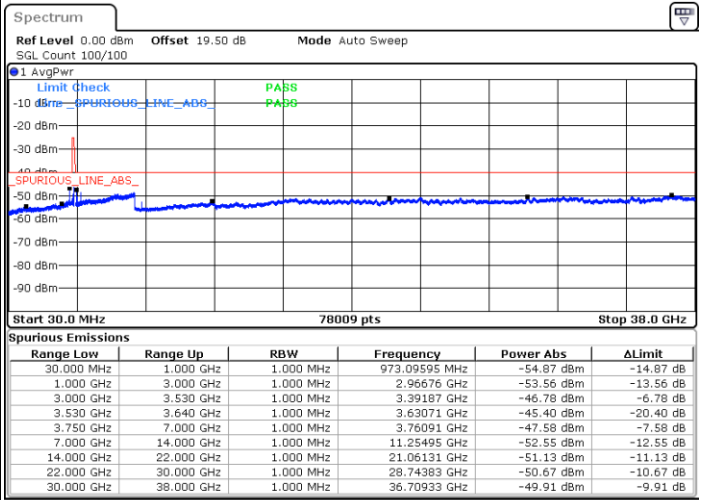
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax



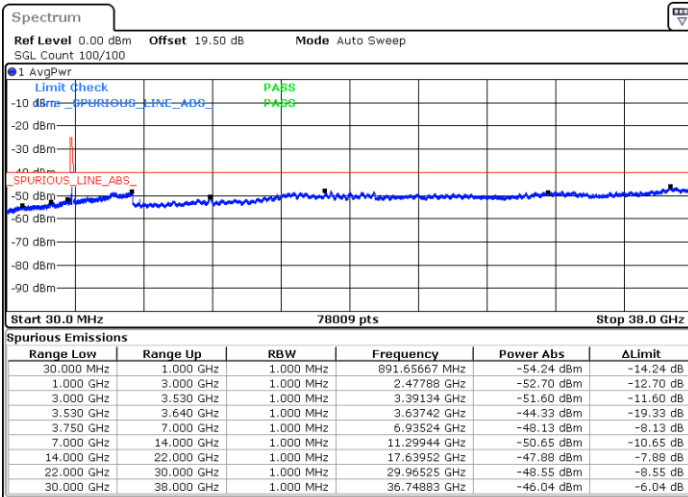
Date: 15. JUL. 2021 01:21:45



Date: 15. JUL. 2021 01:28:31

Highest Channel / FullIRB

N/A



Date: 14. JUL. 2021 17:57:37

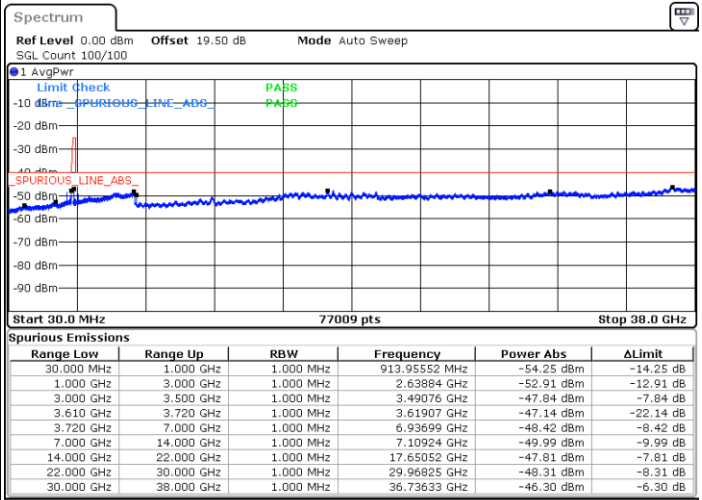
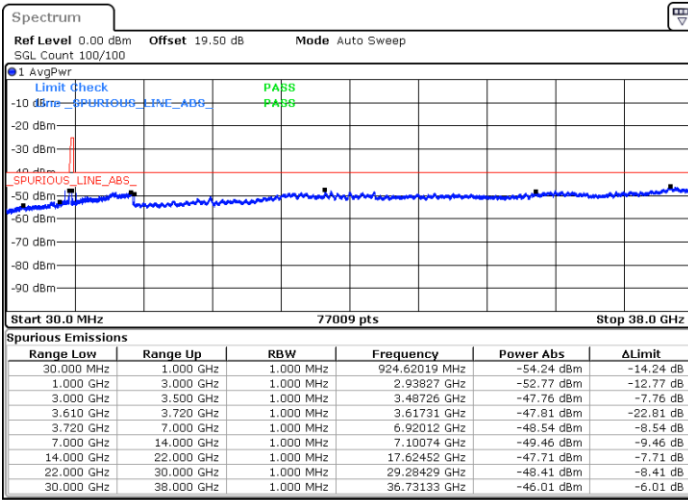


LTE Band 48 / 5MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

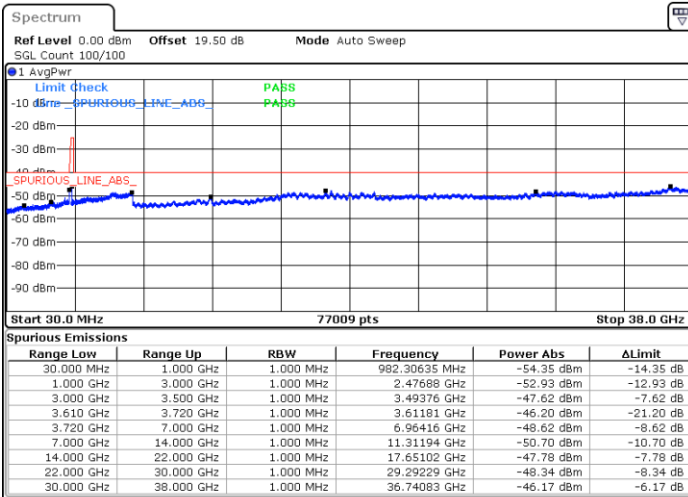


Date: 14.JUL.2021 16:06:14

Date: 14.JUL.2021 16:28:11

Lowest Channel / FullRB

N/A



Date: 14.JUL.2021 16:17:12

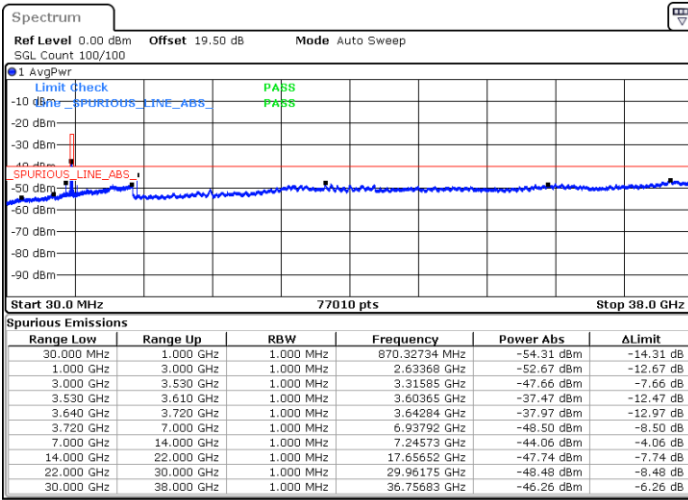


LTE Band 48 / 5MHz

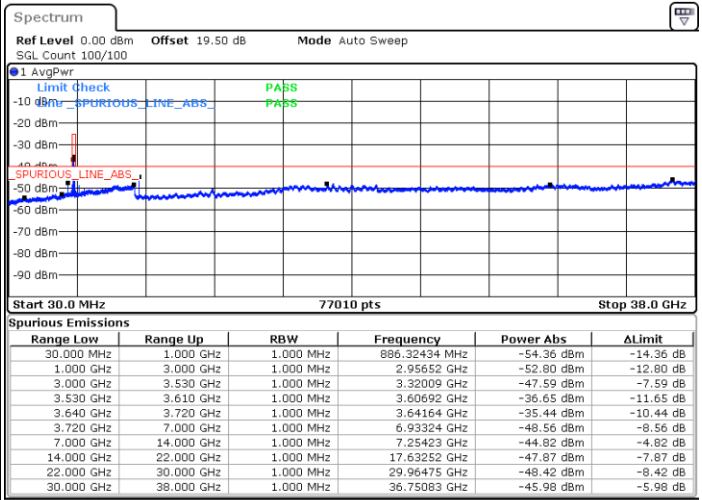
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



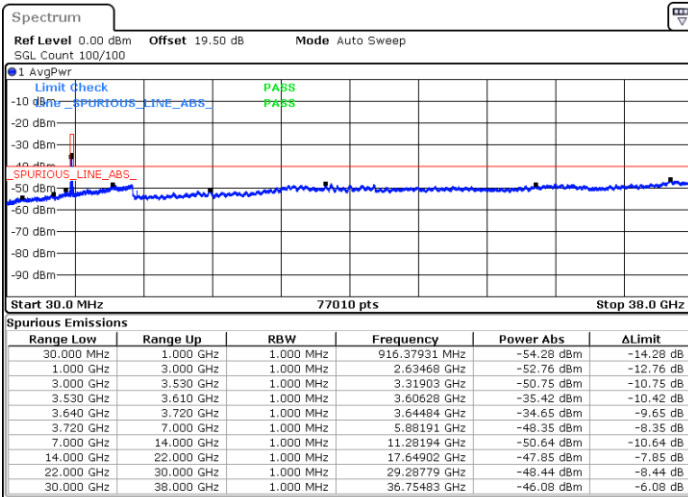
Date: 14.JUL.2021 16:09:54



Date: 14.JUL.2021 16:31:50

Middle Channel / FullIRB

N/A



Date: 14.JUL.2021 16:20:51

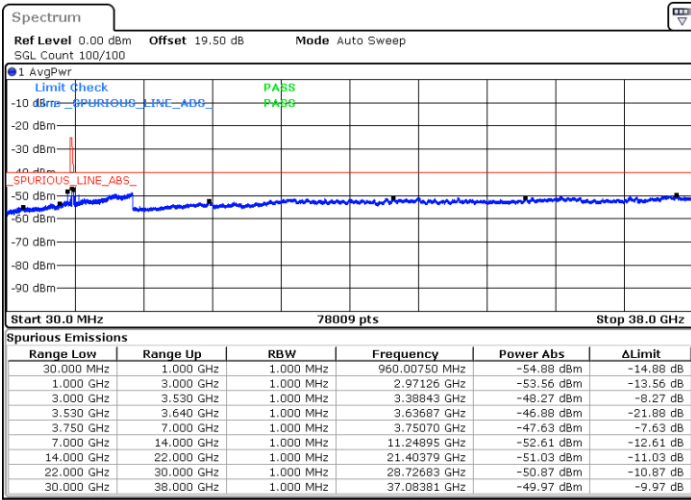


LTE Band 48 / 5MHz

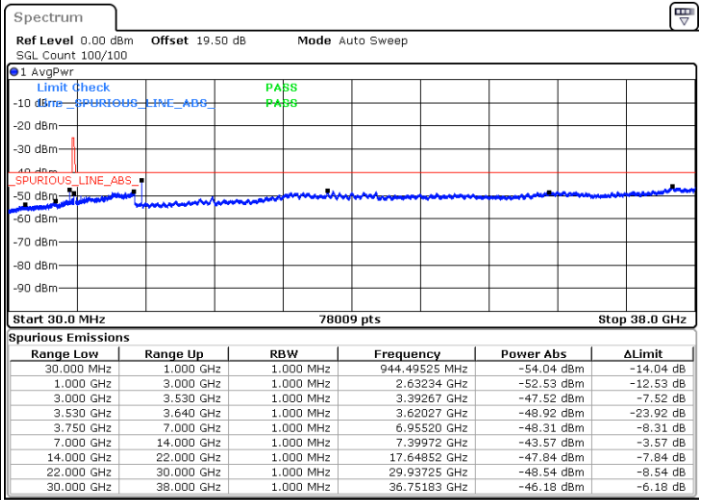
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



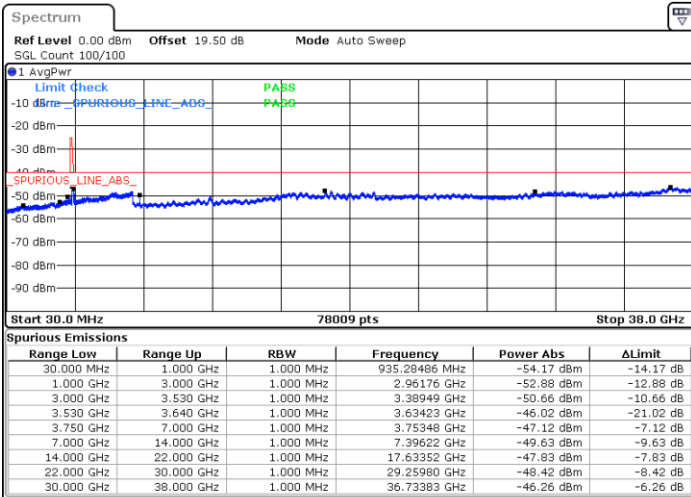
Date: 15.JUL.2021 00:06:15



Date: 14.JUL.2021 16:35:28

Highest Channel / FullIRB

N/A



Date: 14.JUL.2021 16:24:31

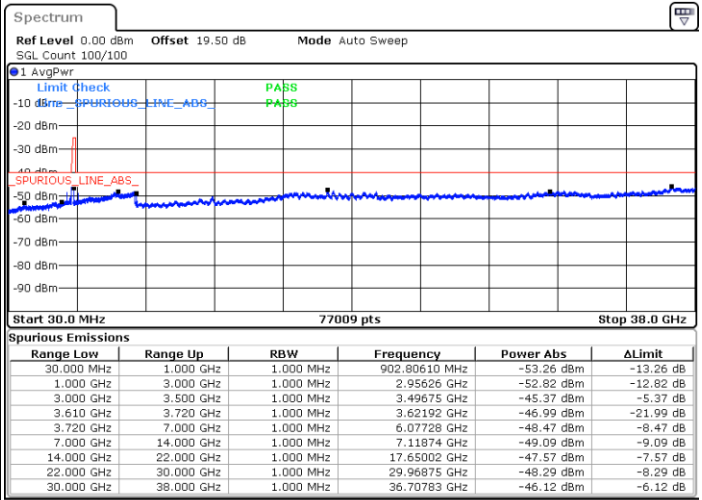
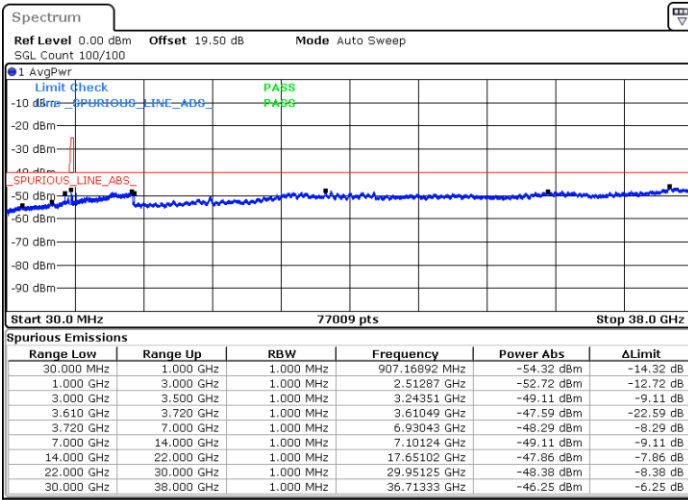


LTE Band 48 / 10MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

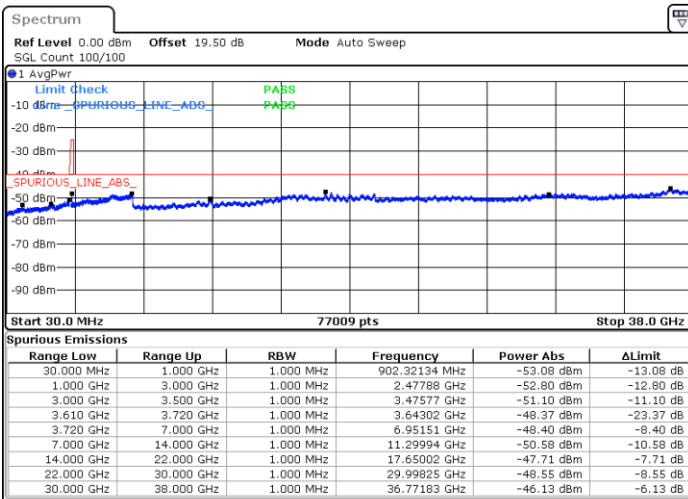


Date: 14.JUL.2021 16:39:44

Date: 14.JUL.2021 17:01:40

Lowest Channel / FullIRB

N/A



Date: 14.JUL.2021 16:50:42

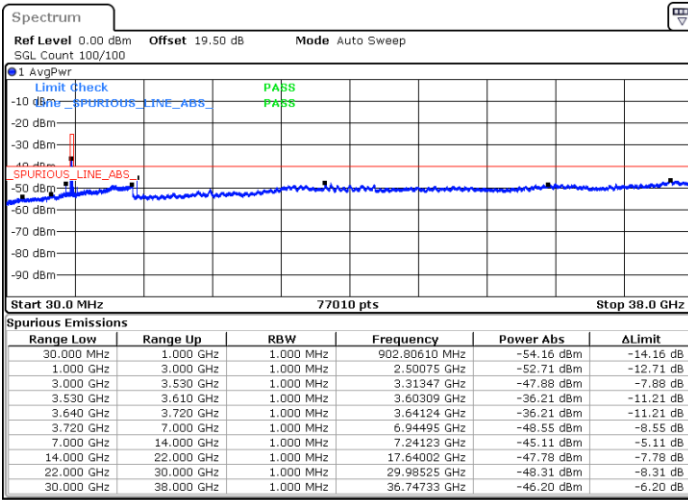


LTE Band 48 / 10MHz

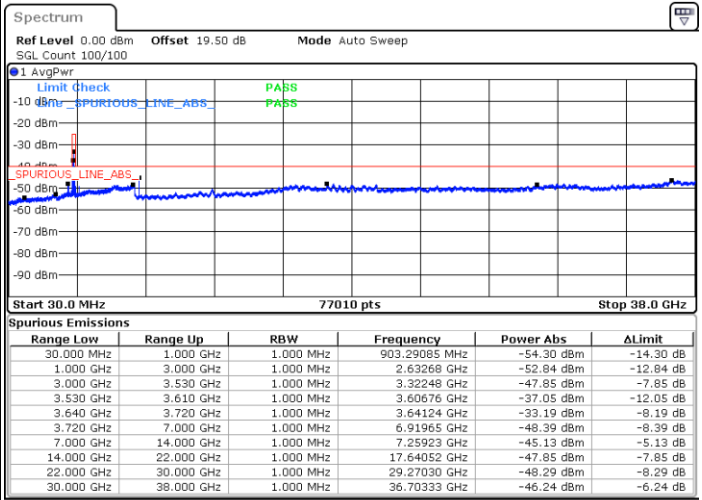
16QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



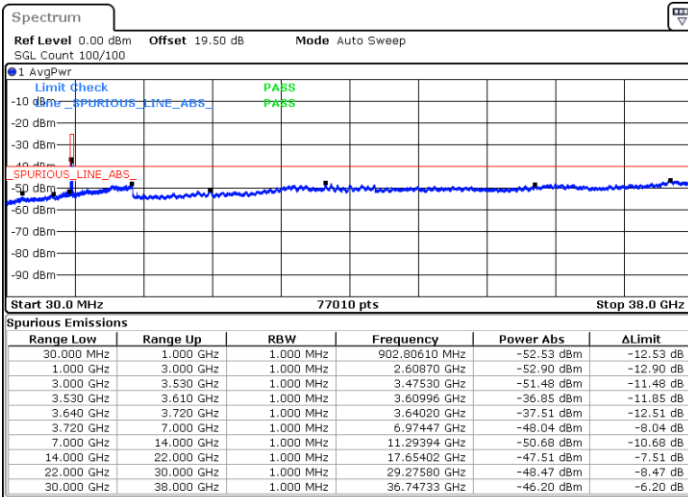
Date: 14.JUL.2021 16:43:24



Date: 14.JUL.2021 17:05:19

Middle Channel / FullIRB

N/A



Date: 14.JUL.2021 16:54:21



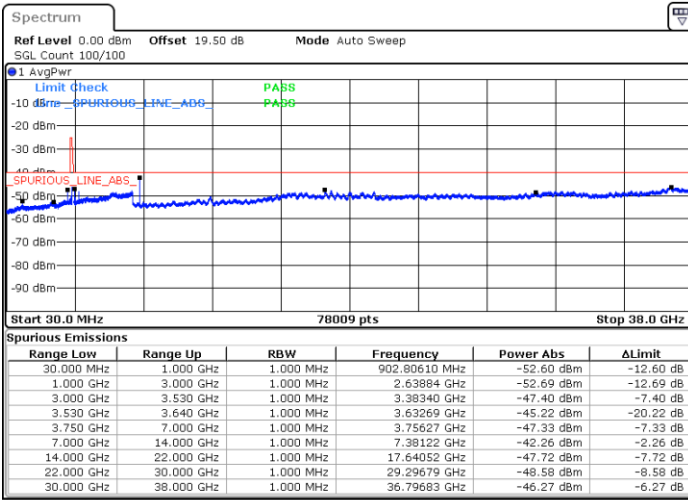


LTE Band 48 / 10MHz

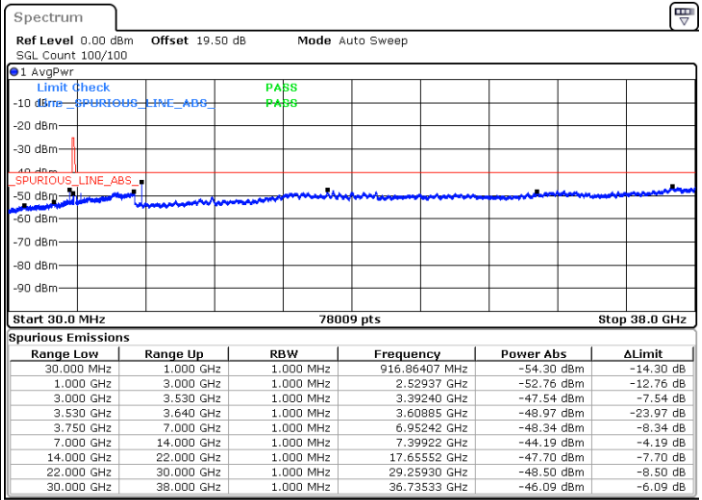
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



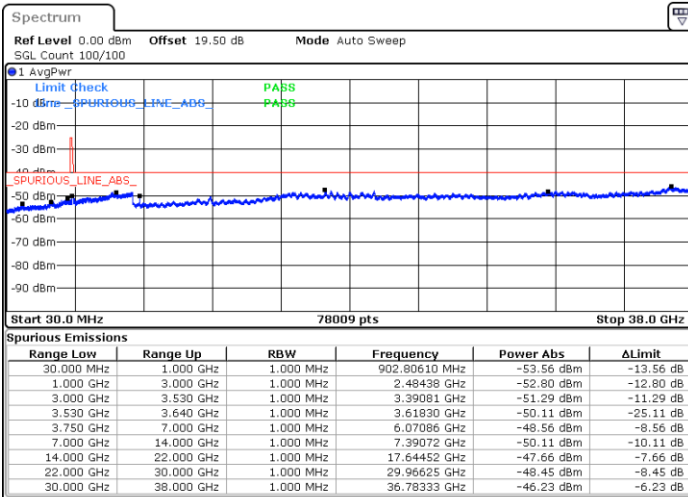
Date: 14.JUL.2021 16:47:02



Date: 14.JUL.2021 17:08:58

Highest Channel / FullIRB

N/A



Date: 14.JUL.2021 16:58:00

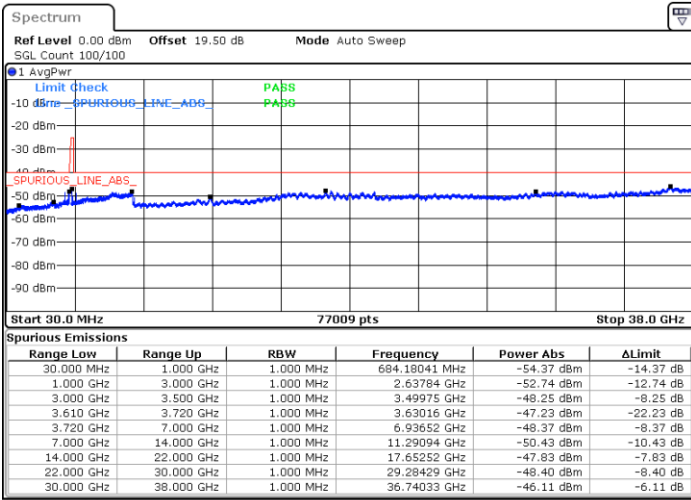


LTE Band 48 / 15MHz

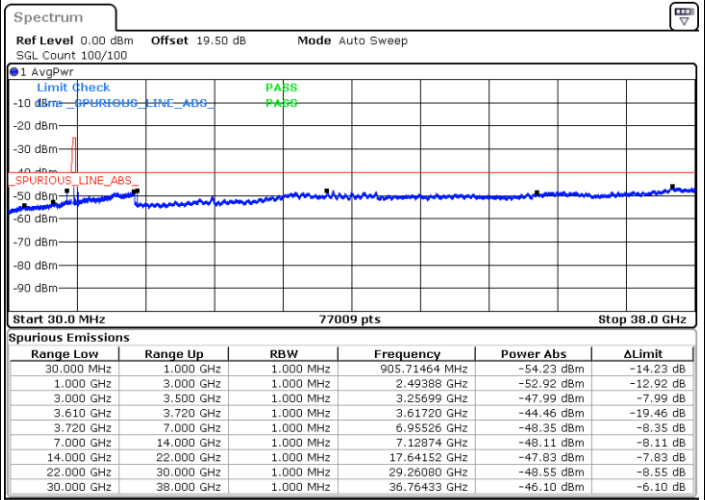
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



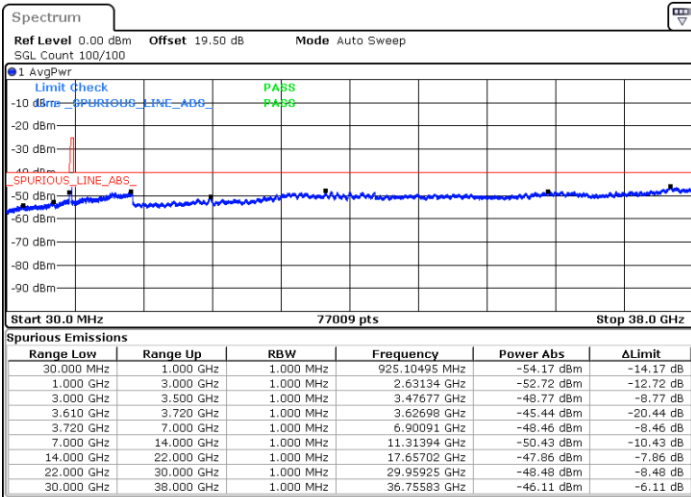
Date: 14.JUL.2021 17:14:38



Date: 14.JUL.2021 17:36:32

Lowest Channel / FullIRB

N/A



Date: 14.JUL.2021 17:25:35

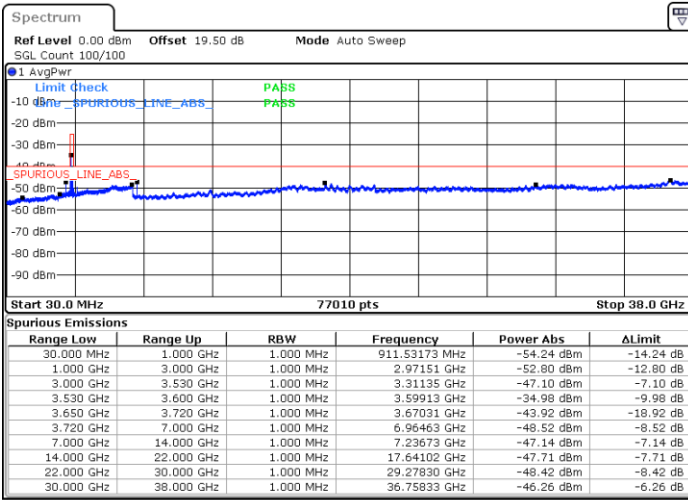


LTE Band 48 / 15MHz

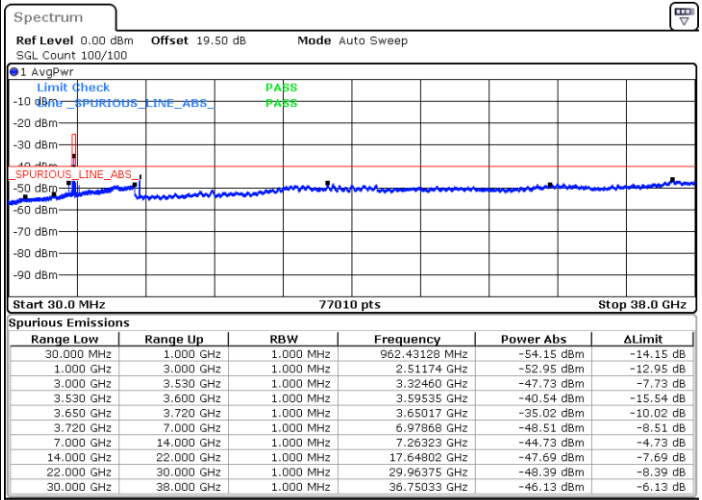
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



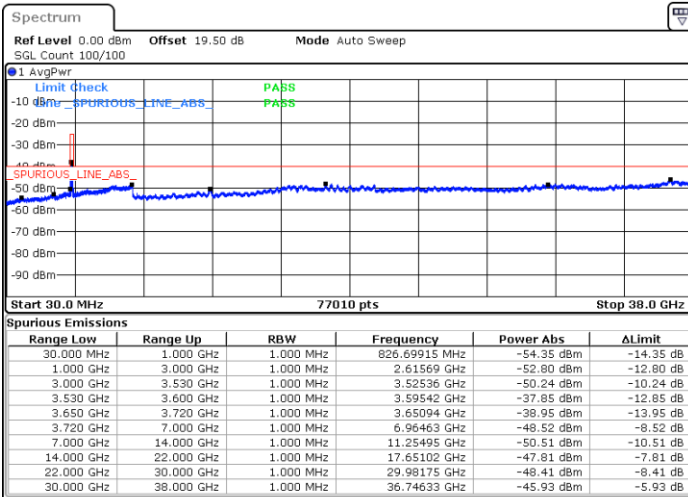
Date: 14.JUL.2021 17:18:17



Date: 14.JUL.2021 17:40:10

Middle Channel / FullIRB

N/A



Date: 14.JUL.2021 17:29:14

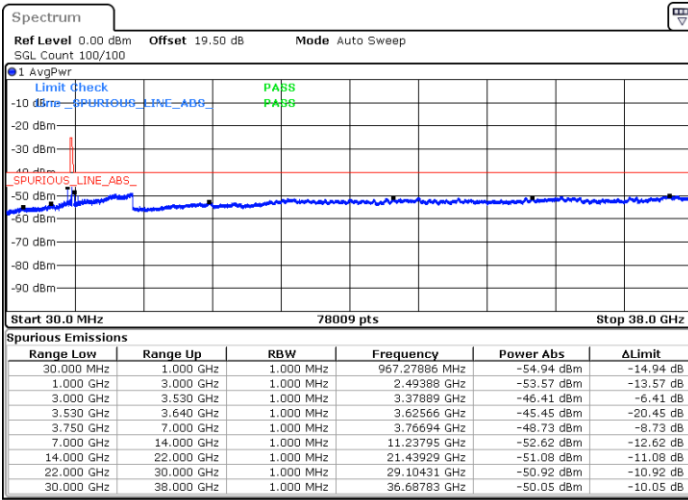


LTE Band 48 / 15MHz

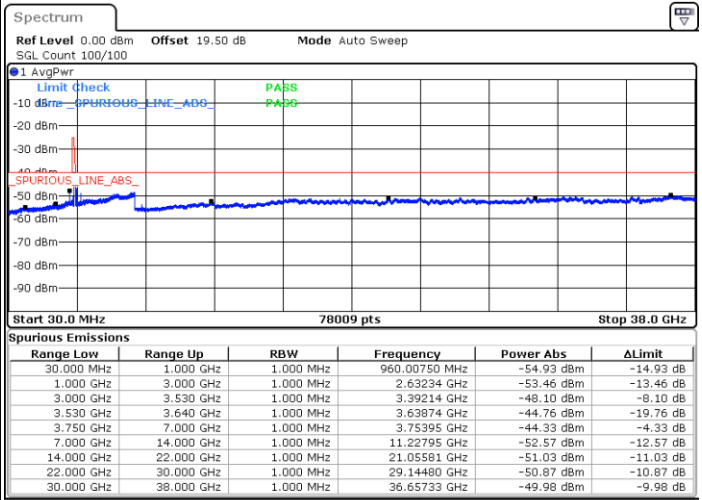
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



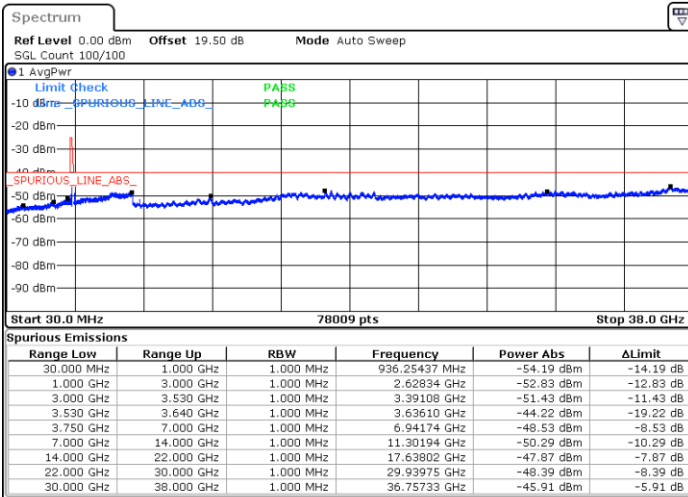
Date: 15. JUL. 2021 01:05:21



Date: 15. JUL. 2021 01:09:23

Highest Channel / FullIRB

N/A



Date: 14. JUL. 2021 17:32:53

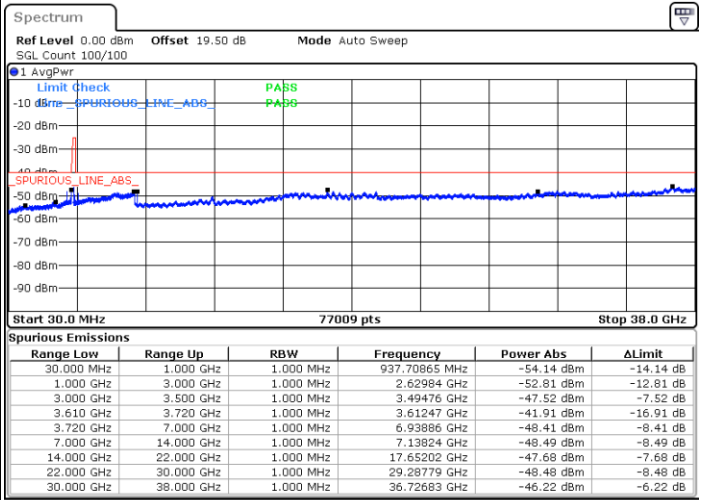
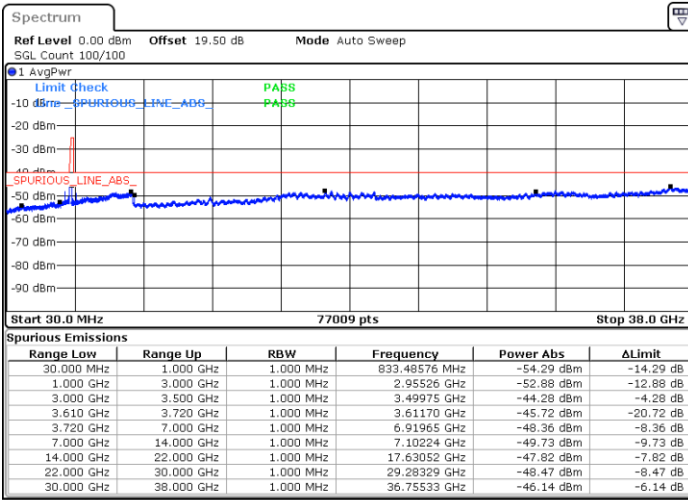


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

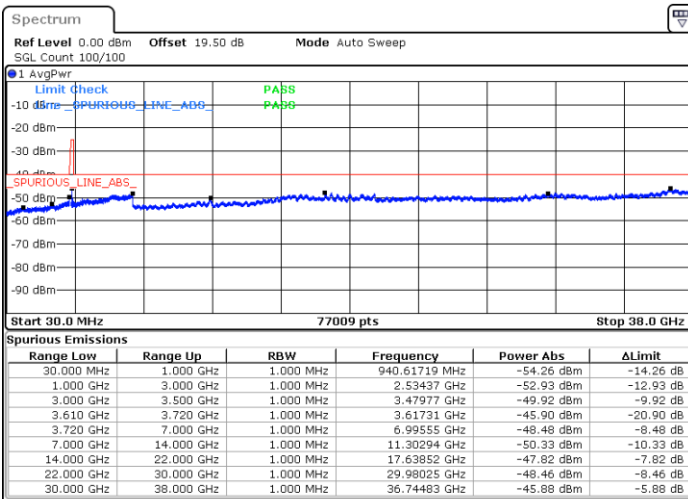


Date: 14.JUL.2021 18:00:04

Date: 14.JUL.2021 18:11:02

Lowest Channel / FullIRB

N/A



Date: 14.JUL.2021 17:49:07

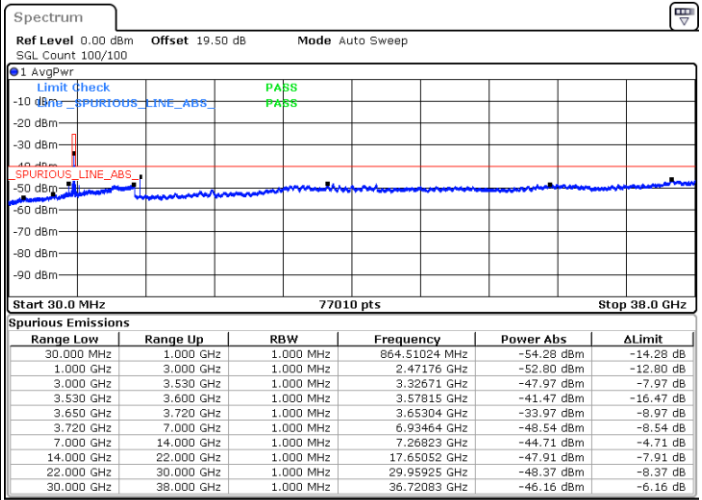
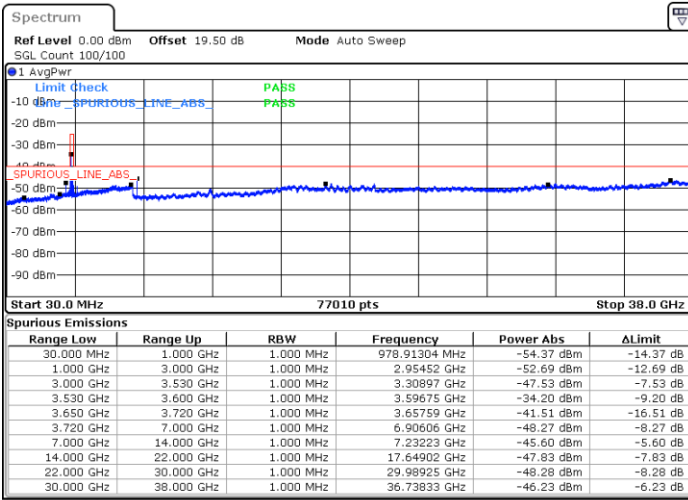


LTE Band 48 / 20MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

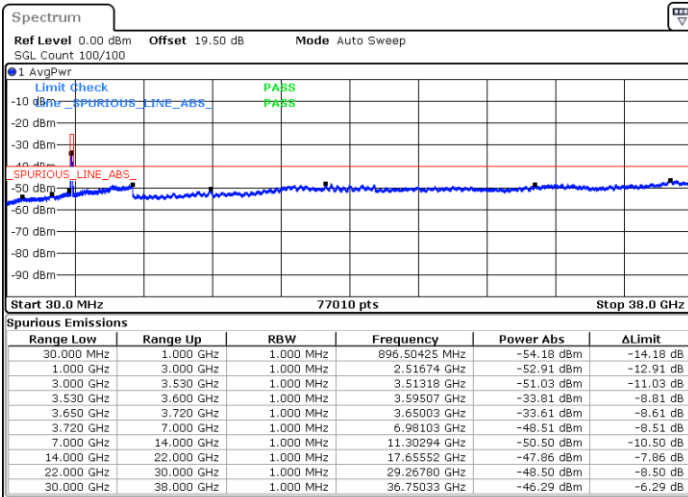


Date: 14. JUL. 2021 18:03:44

Date: 14. JUL. 2021 18:14:41

Middle Channel / FullIRB

N/A



Date: 14. JUL. 2021 17:52:46

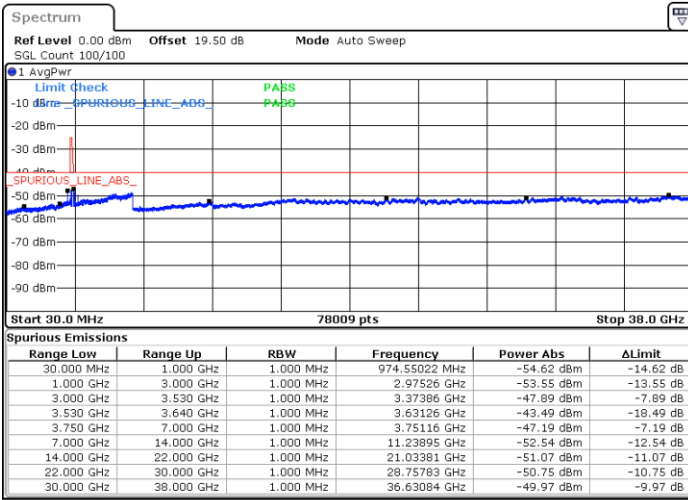


LTE Band 48 / 20MHz

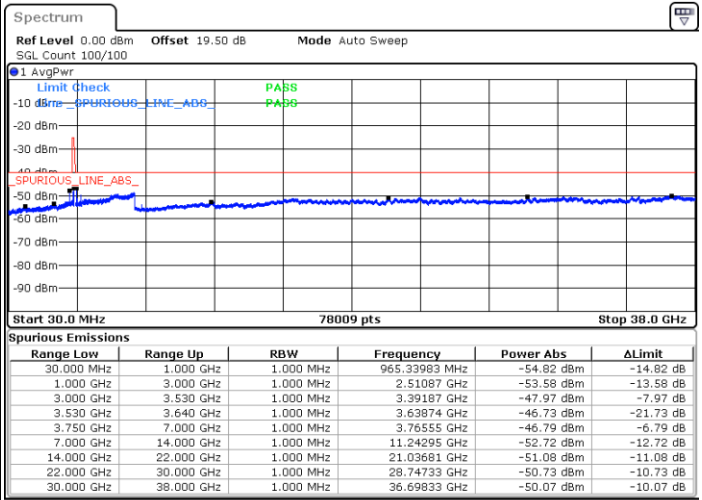
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



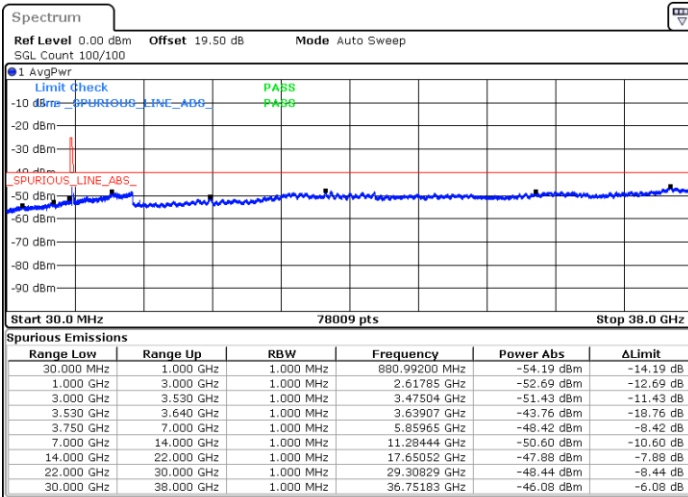
Date: 15.JUL.2021 01:20:22



Date: 15.JUL.2021 01:24:02

Highest Channel / FullIRB

N/A



Date: 14.JUL.2021 17:56:25

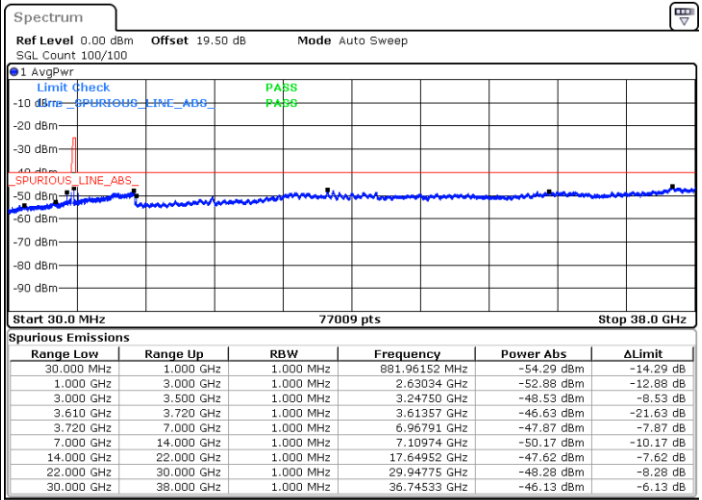
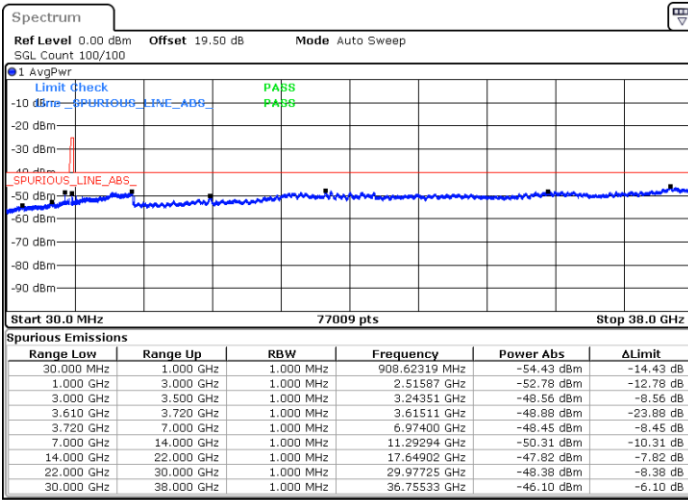


LTE Band 48 / 5MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

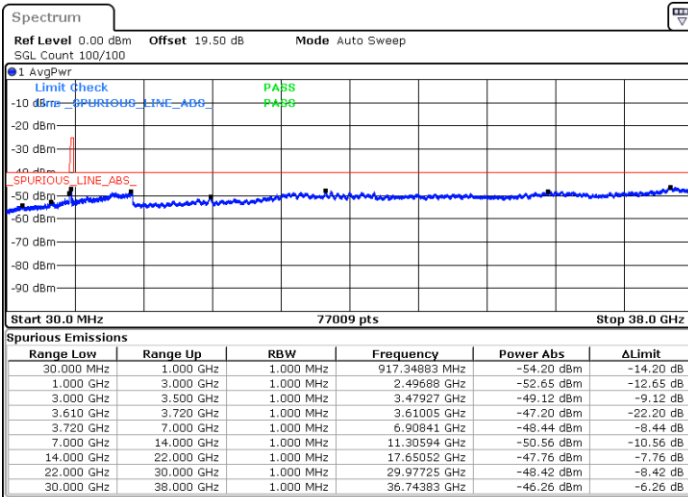


Date: 14.JUL.2021 16:07:27

Date: 14.JUL.2021 16:29:24

Lowest Channel / FullIRB

N/A



Date: 14.JUL.2021 16:18:25



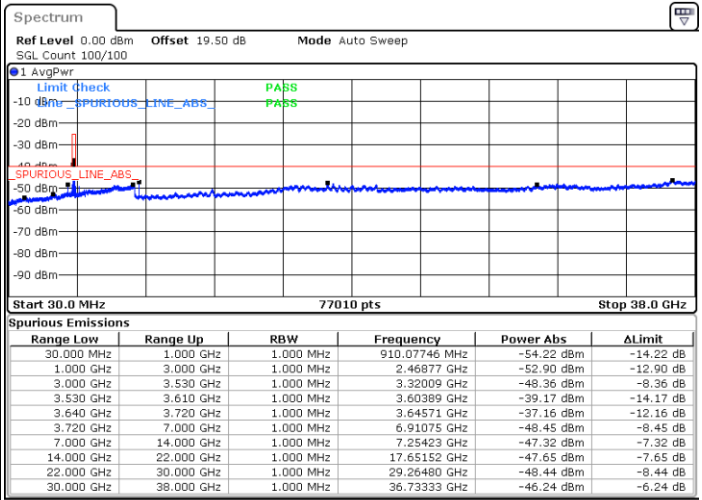
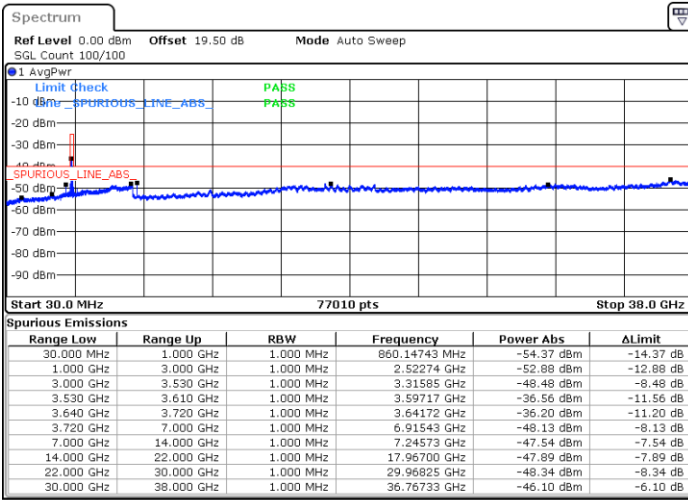


LTE Band 48 / 5MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

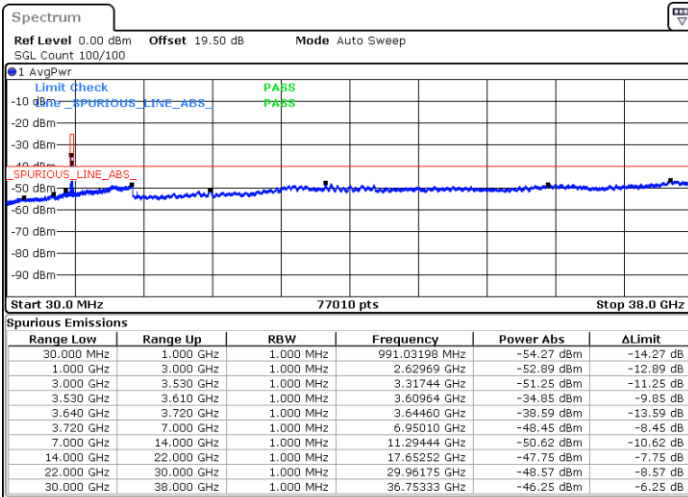


Date: 14.JUL.2021 16:08:40

Date: 14.JUL.2021 16:30:37

Middle Channel / FullIRB

N/A



Date: 14.JUL.2021 16:19:38

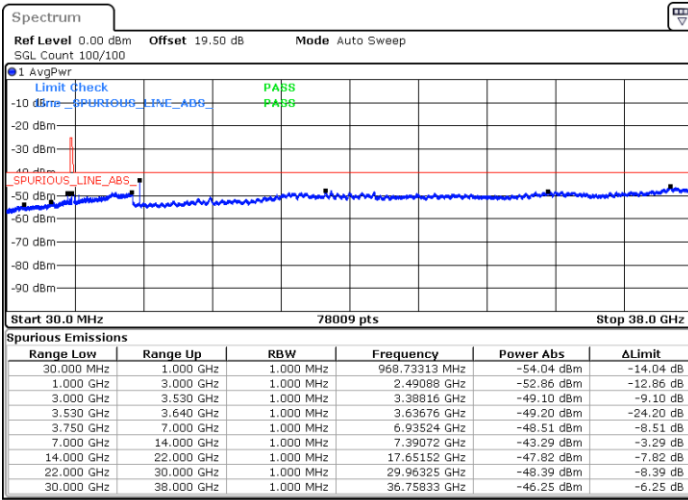


LTE Band 48 / 5MHz

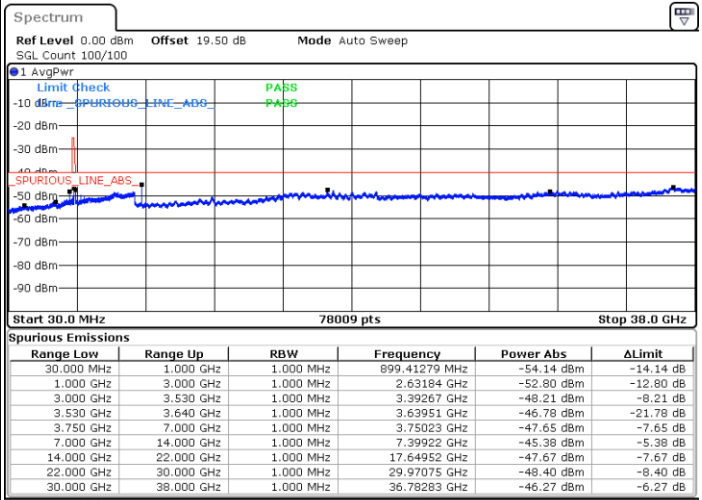
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



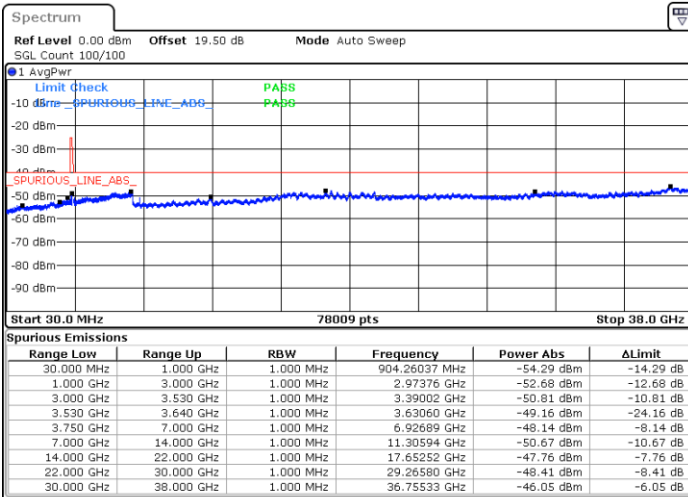
Date: 14.JUL.2021 16:14:46



Date: 14.JUL.2021 16:36:41

Highest Channel / FullIRB

N/A



Date: 14.JUL.2021 16:25:44

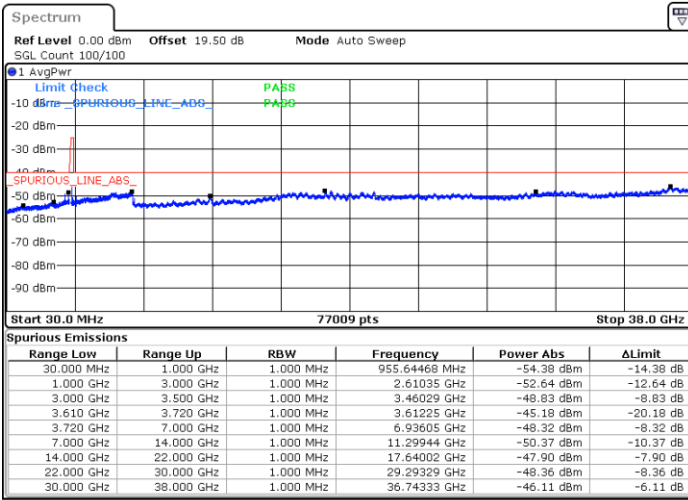


LTE Band 48 / 10MHz

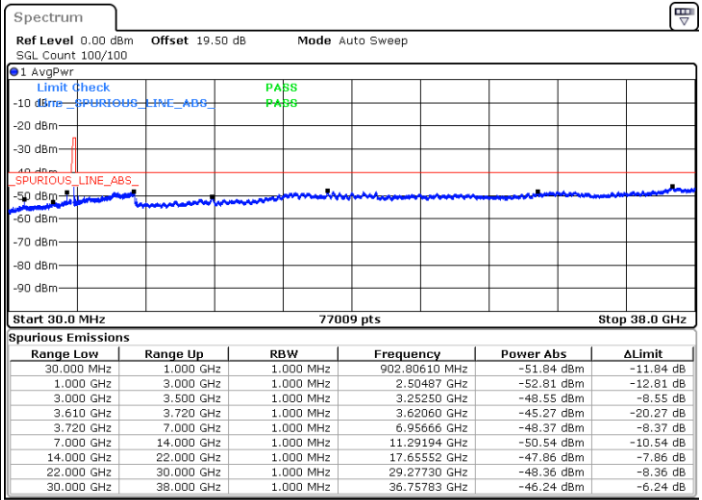
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



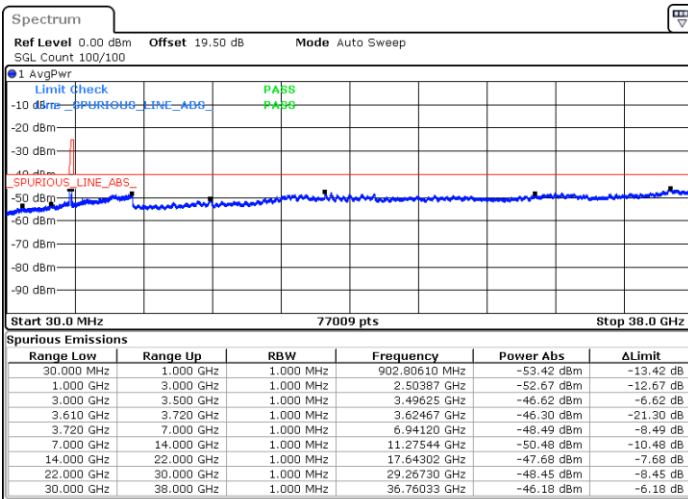
Date: 14.JUL.2021 16:38:32



Date: 14.JUL.2021 17:00:27

Lowest Channel / FullIRB

N/A



Date: 14.JUL.2021 16:49:29

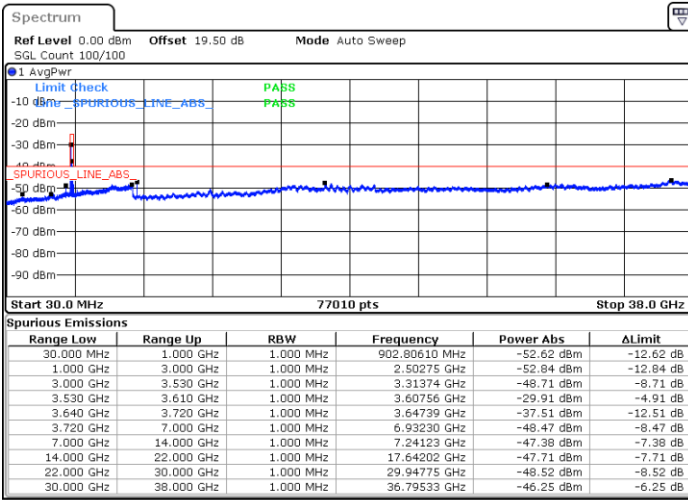


LTE Band 48 / 10MHz

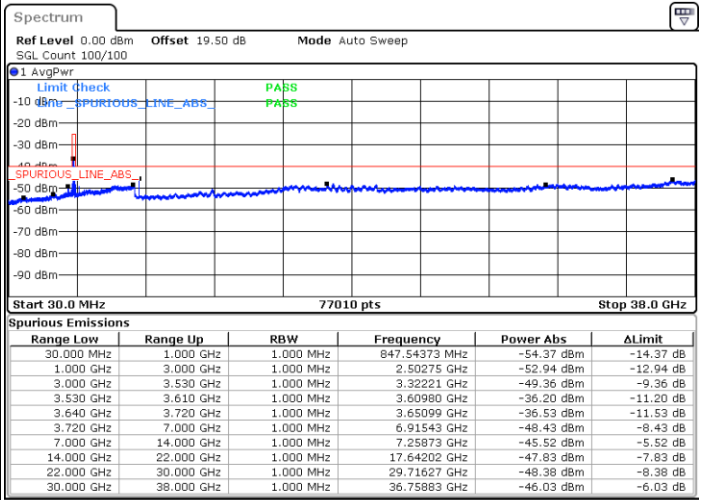
64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



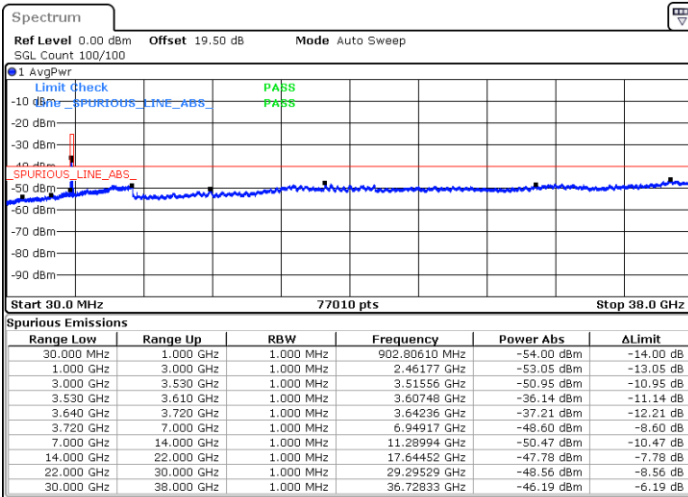
Date: 14.JUL.2021 16:44:36



Date: 14.JUL.2021 17:06:32

Middle Channel / FullIRB

N/A



Date: 14.JUL.2021 16:55:34

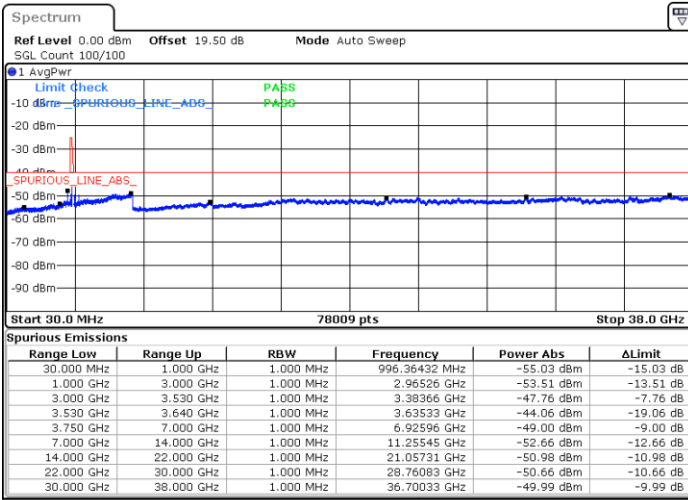


LTE Band 48 / 10MHz

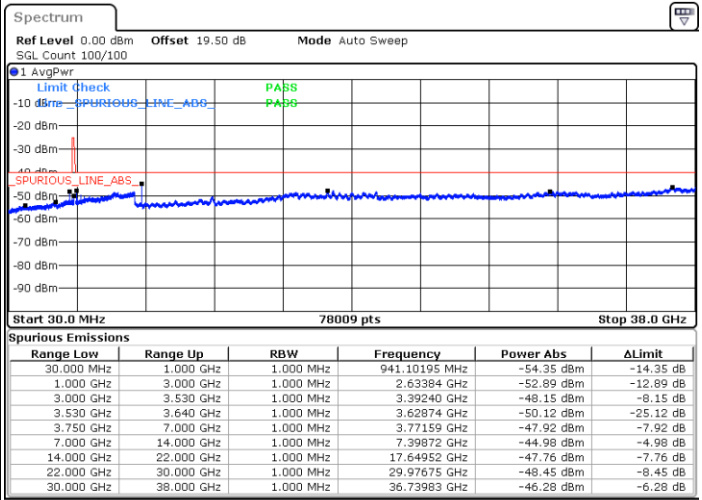
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



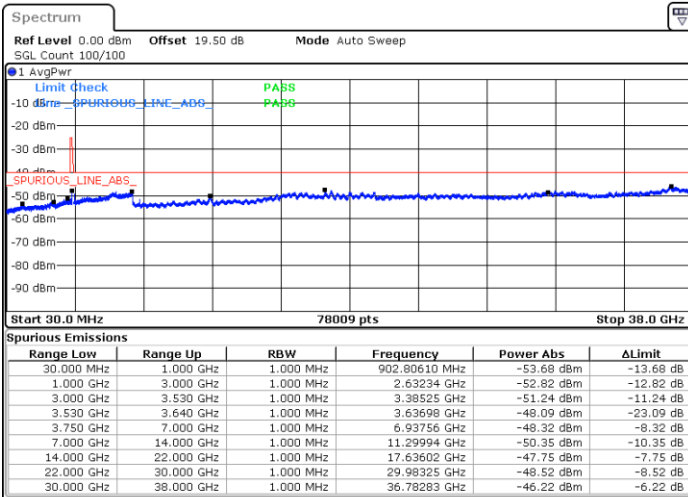
Date: 15.JUL.2021 00:46:28



Date: 14.JUL.2021 17:07:45

Highest Channel / FullIRB

N/A



Date: 14.JUL.2021 16:56:47

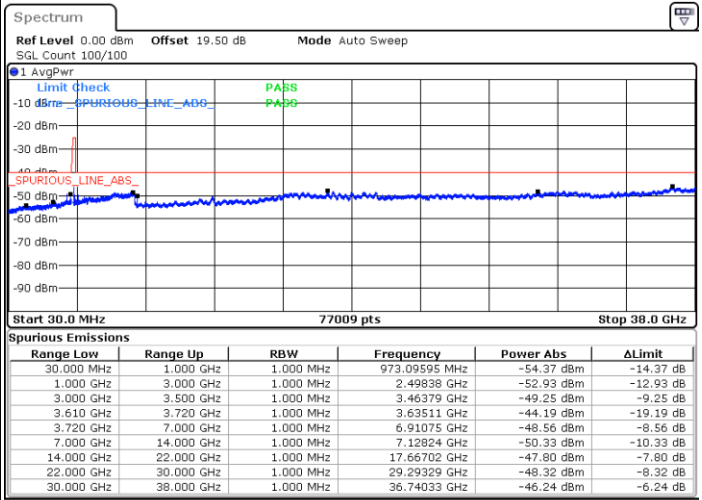
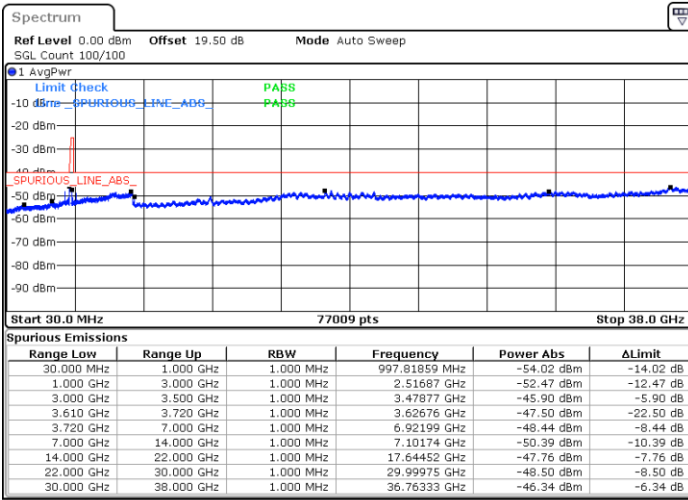


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

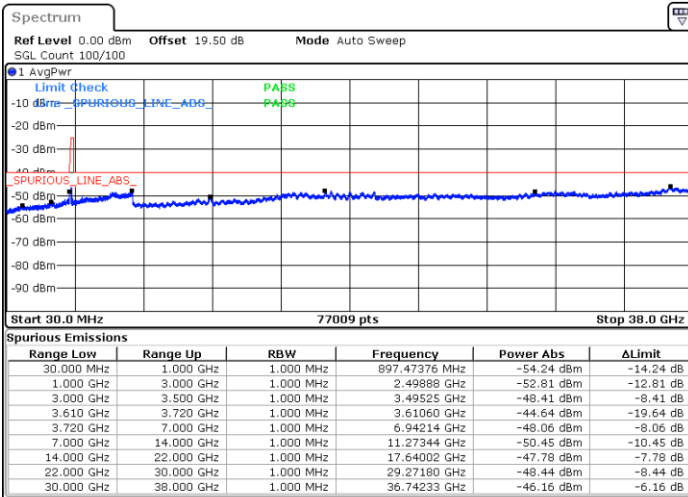


Date: 14.JUL.2021 17:15:51

Date: 14.JUL.2021 17:37:45

Lowest Channel / FullRB

N/A



Date: 14.JUL.2021 17:26:48

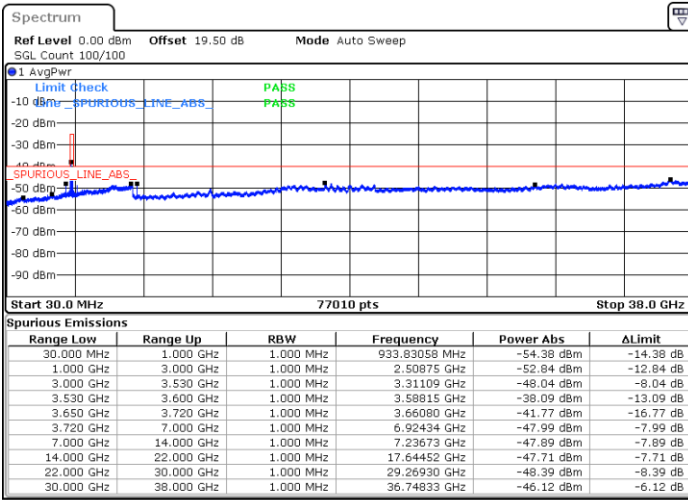


LTE Band 48 / 15MHz

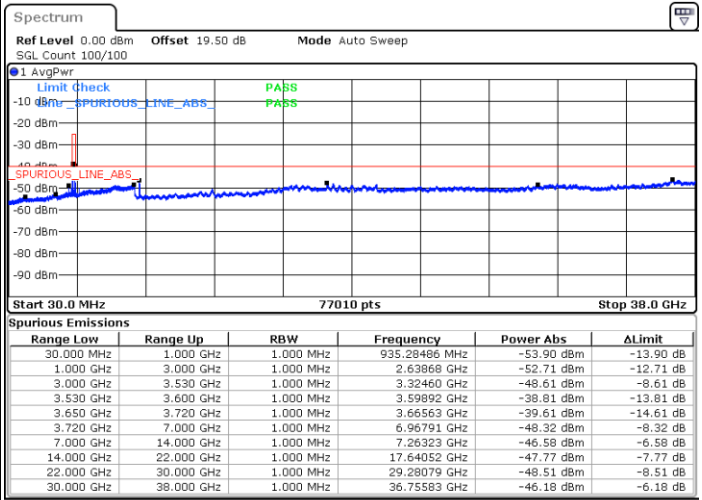
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



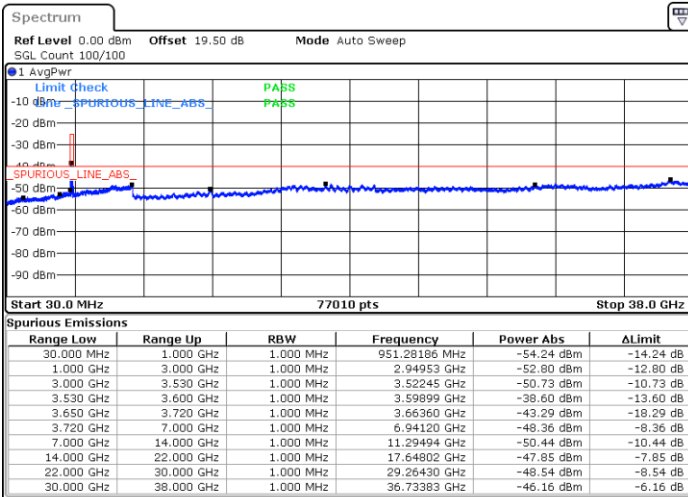
Date: 14.JUL.2021 17:17:04



Date: 14.JUL.2021 17:38:58

Middle Channel / FullIRB

N/A



Date: 14.JUL.2021 17:28:01

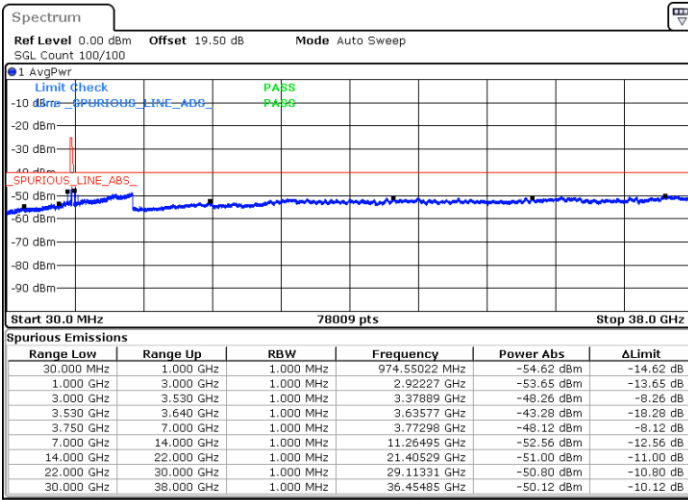


LTE Band 48 / 15MHz

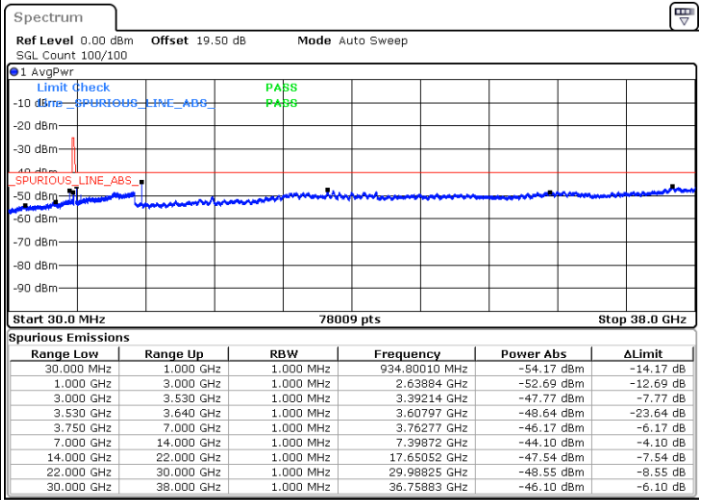
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



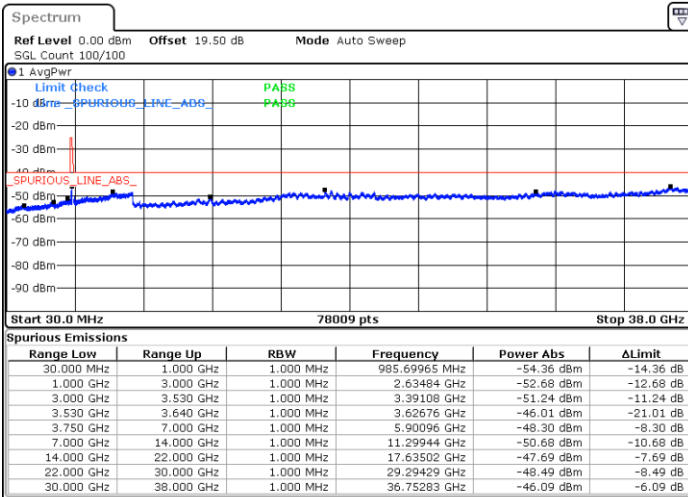
Date: 15.JUL.2021 00:59:57



Date: 14.JUL.2021 17:45:02

Highest Channel / FullIRB

N/A



Date: 14.JUL.2021 17:34:06



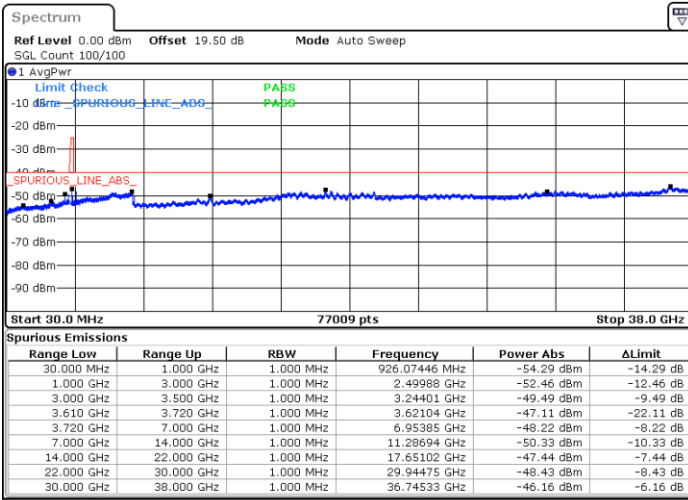


LTE Band 48 / 20MHz

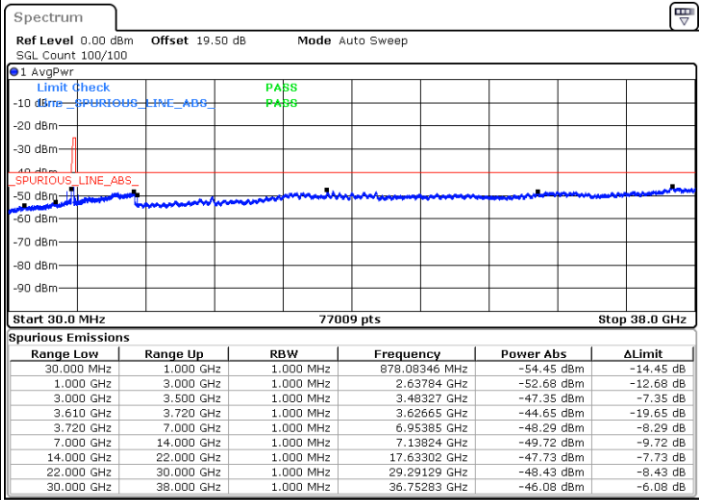
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



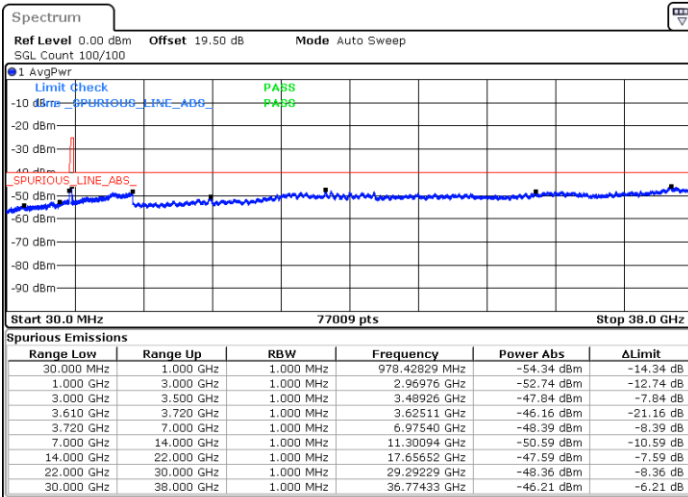
Date: 14.JUL.2021 17:58:51



Date: 14.JUL.2021 18:09:49

Lowest Channel / FullIRB

N/A



Date: 14.JUL.2021 17:47:53

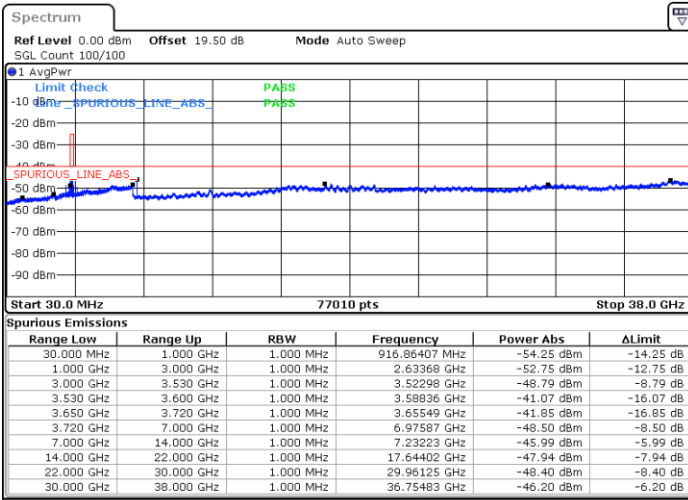


LTE Band 48 / 20MHz

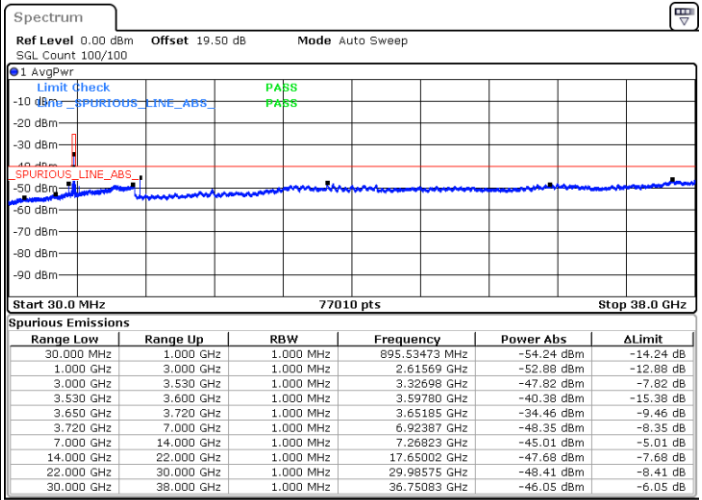
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



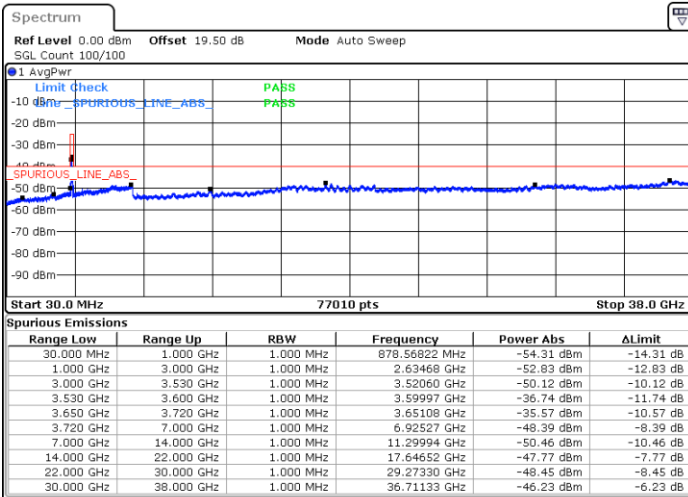
Date: 14.JUL.2021 18:04:57



Date: 14.JUL.2021 18:15:54

Middle Channel / FullIRB

N/A



Date: 14.JUL.2021 17:53:58

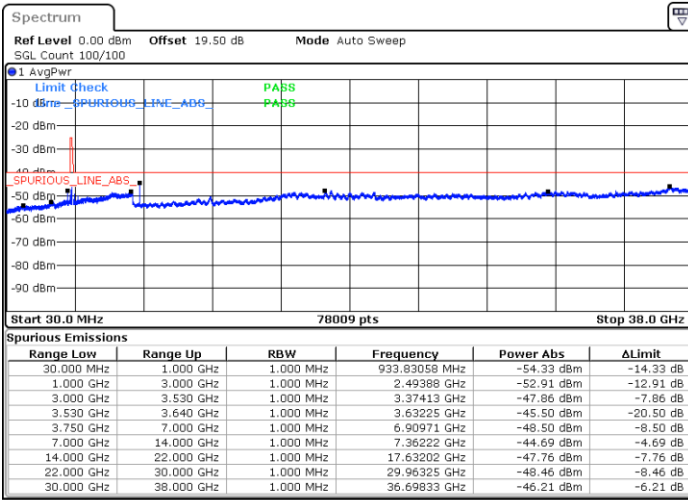


LTE Band 48 / 20MHz

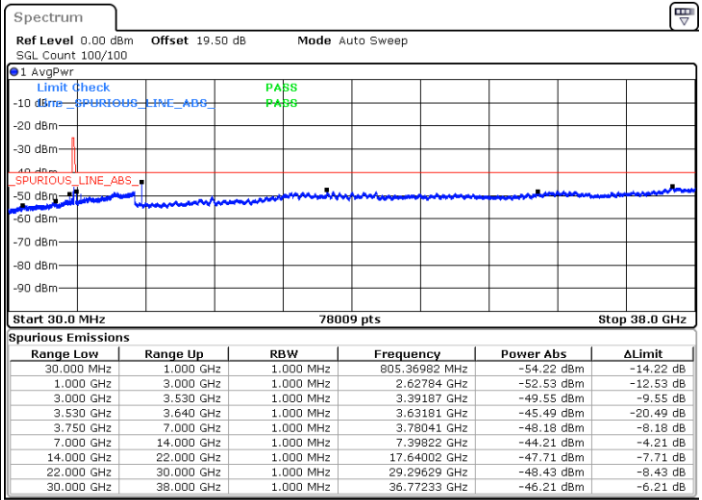
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



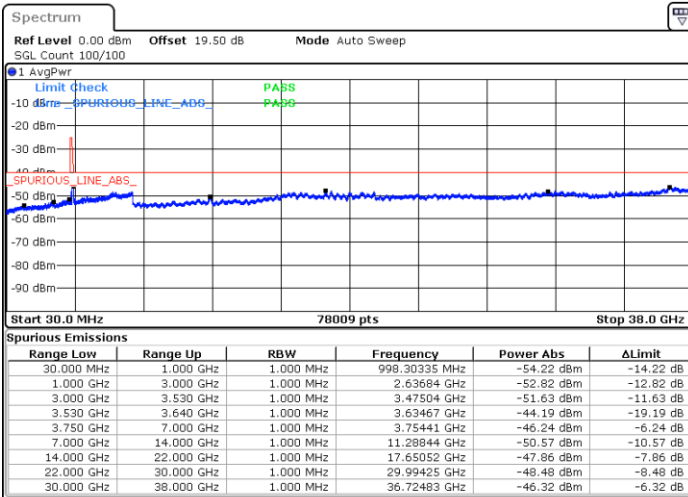
Date: 14.JUL.2021 18:06:10



Date: 14.JUL.2021 18:17:07

Highest Channel / FullIRB

N/A



Date: 14.JUL.2021 17:55:11



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 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 )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7232.00	-57.01	-40	-17.01	-61.62	-60.31	8.30	11.60	H
	10848.00	-52.35	-40	-12.35	-63.64	-53.87	10.48	12.00	H
	14464.00	-48.27	-40	-8.27	-65.70	-49.97	11.80	13.50	H
	7232.00	-56.51	-40	-16.51	-61.43	-59.81	8.30	11.60	V
	10848.00	-52.67	-40	-12.67	-63.59	-54.19	10.48	12.00	V
	14464.00	-48.57	-40	-8.57	-65.42	-50.27	11.80	13.50	V

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