

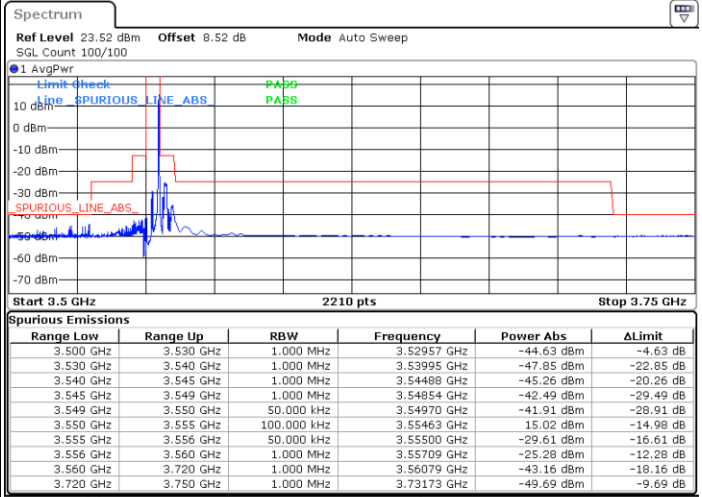
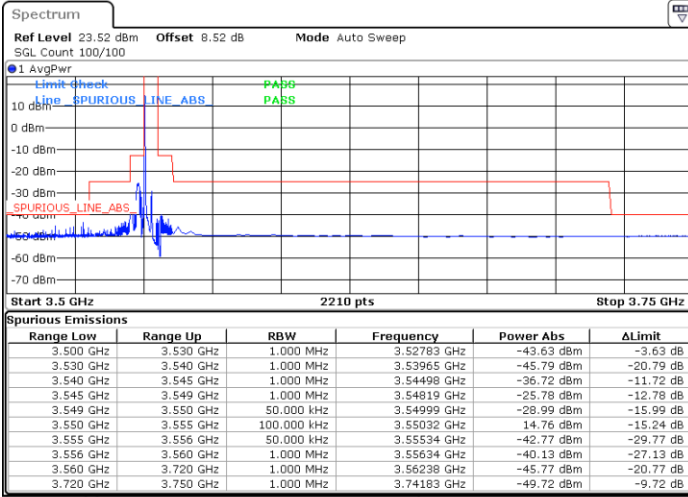


LTE Band 48 / 5MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

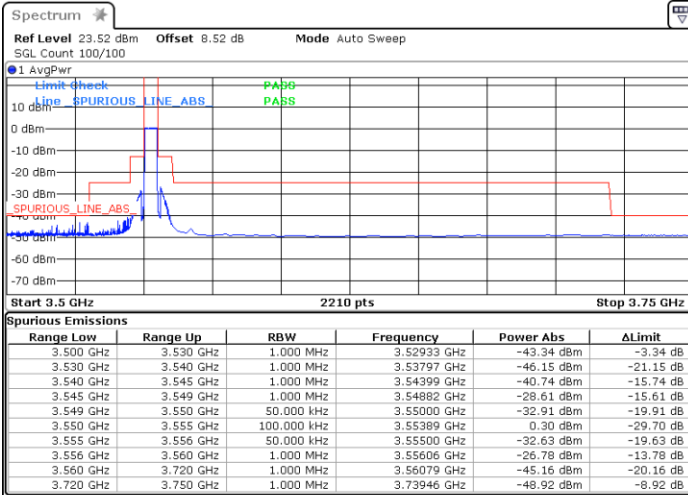


Date: 26 NOV 2021 16:06:32

Date: 26 NOV 2021 16:14:19

Lowest Channel / Full RB

N/A



Date: 26.NOV.2021 18:54:05

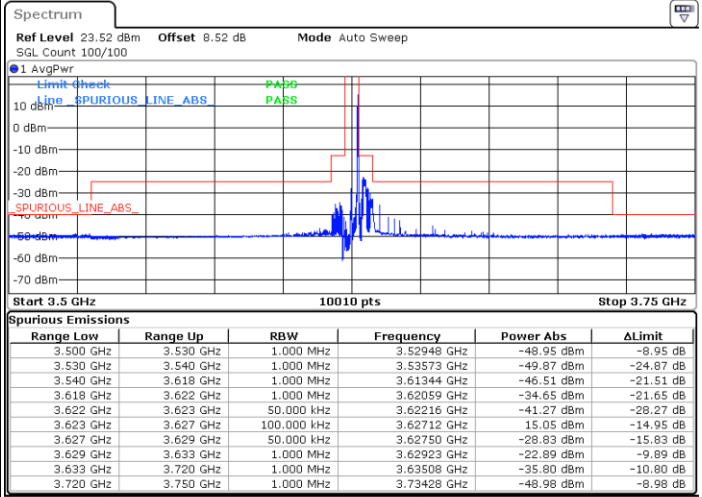
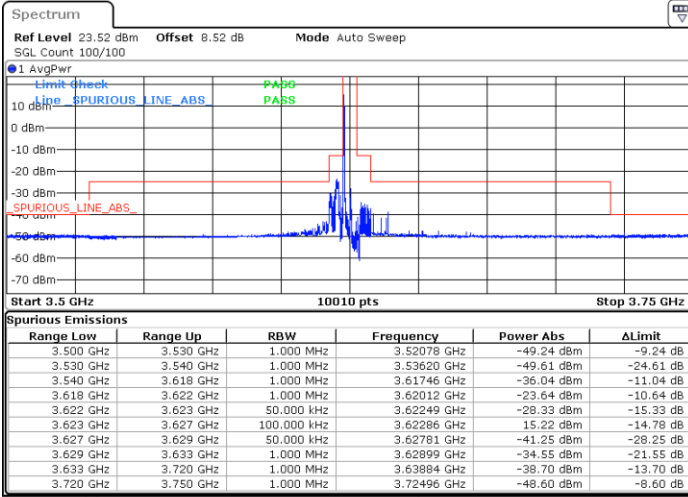


LTE Band 48 / 5MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

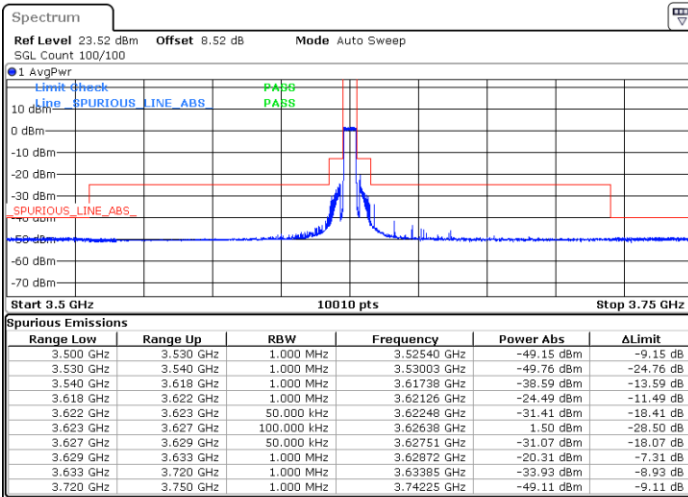


Date: 26 NOV 2021 16:32:50

Date: 26 NOV 2021 16:36:40

Middle Channel / Full RB

N/A



Date: 26 NOV 2021 16:38:12

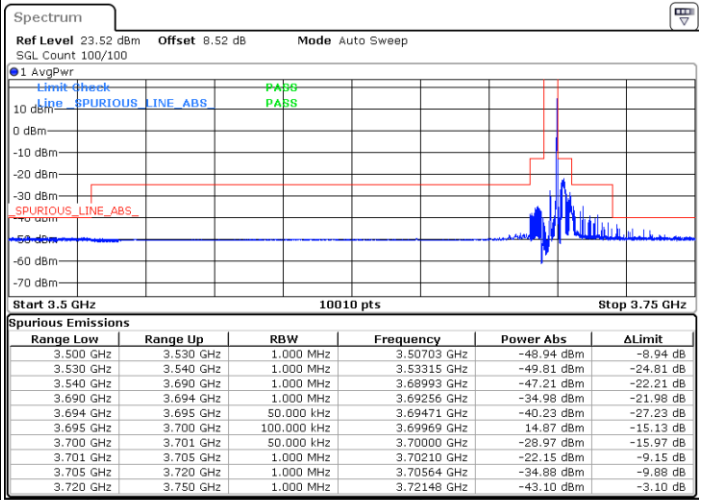
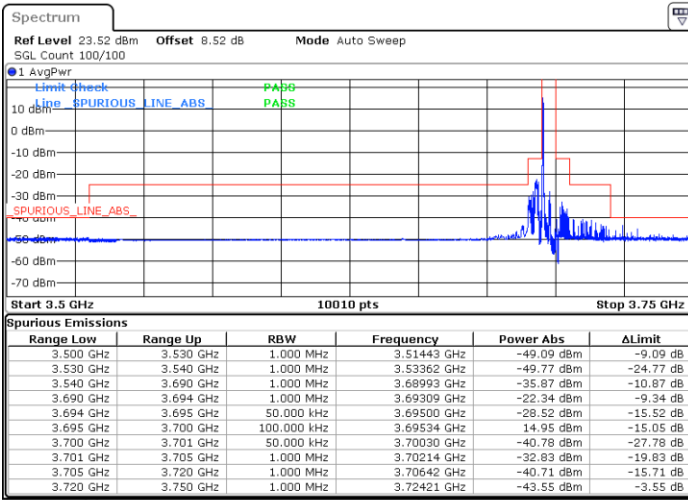


LTE Band 48 / 5MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

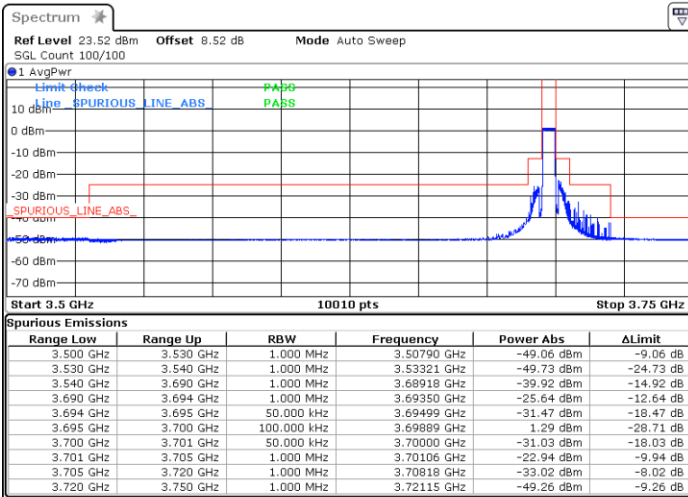


Date: 26 NOV 2021 16:56:19

Date: 26 NOV 2021 16:50:21

Highest Channel / Full RB

N/A



Date: 26 NOV 2021 16:44:58

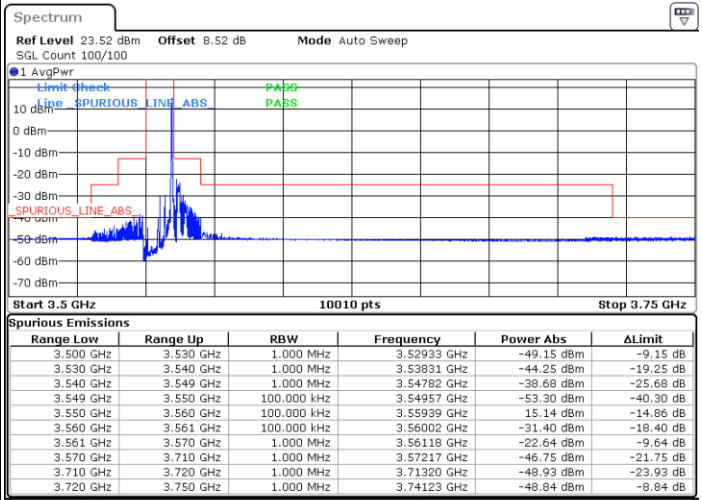
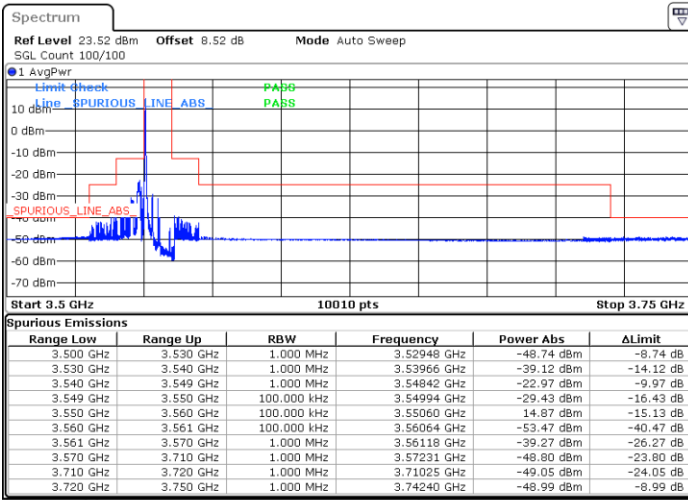


LTE Band 48 / 10MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

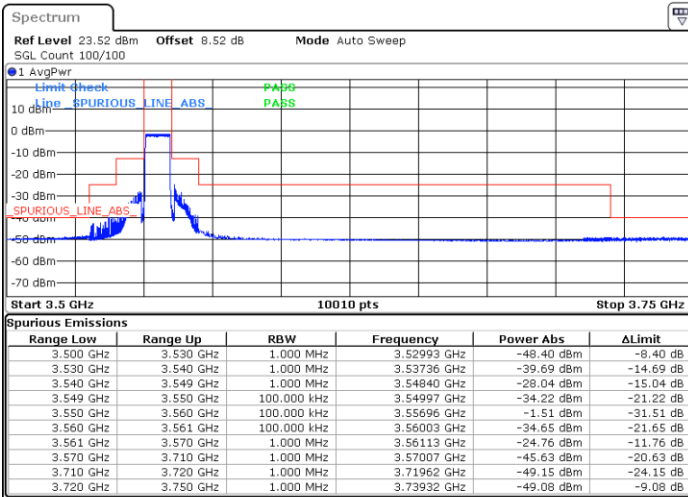


Date: 26 NOV 2021 17:02:16

Date: 26 NOV 2021 17:06:49

Lowest Channel / Full RB

N/A



Date: 26 NOV 2021 17:18:59

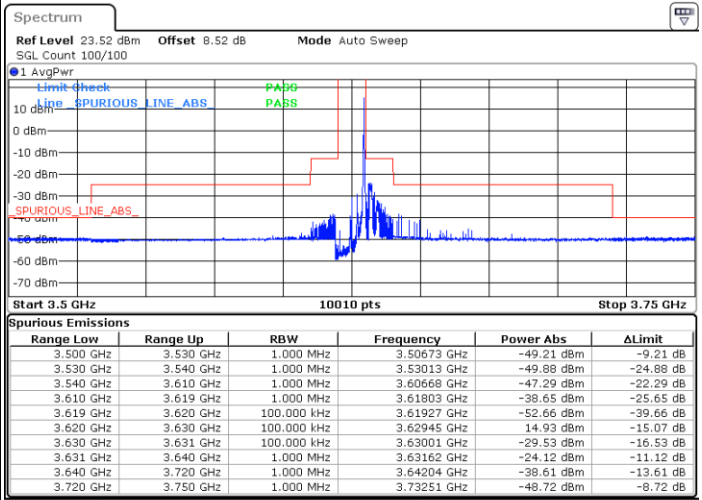
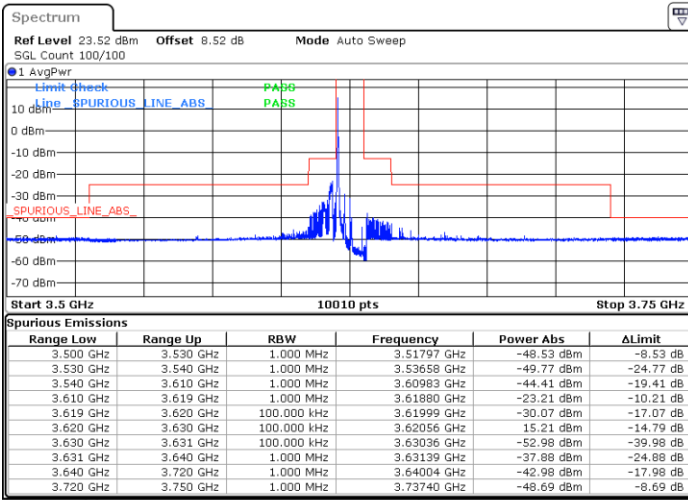


LTE Band 48 / 10MHz

256QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax

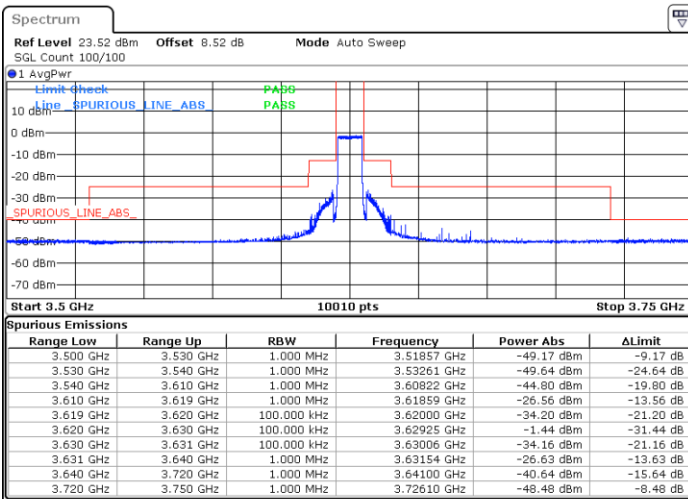


Date: 26 NOV 2021 17:29:05

Date: 26 NOV 2021 17:34:32

Middle Channel / Full RB

N/A



Date: 26 NOV 2021 17:24:00

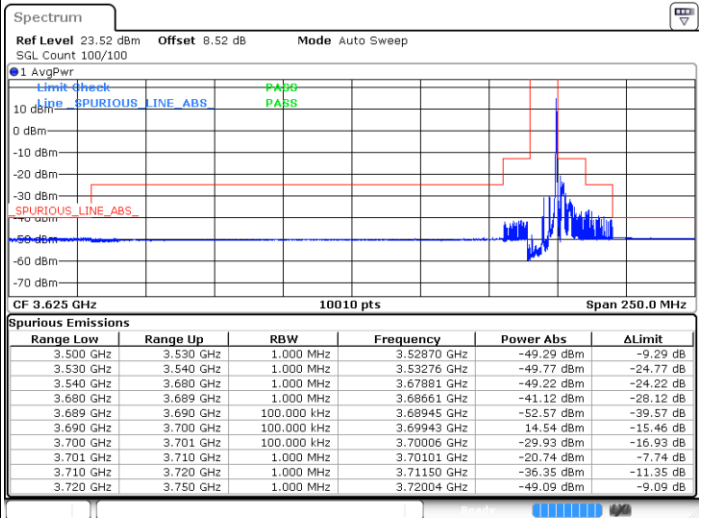
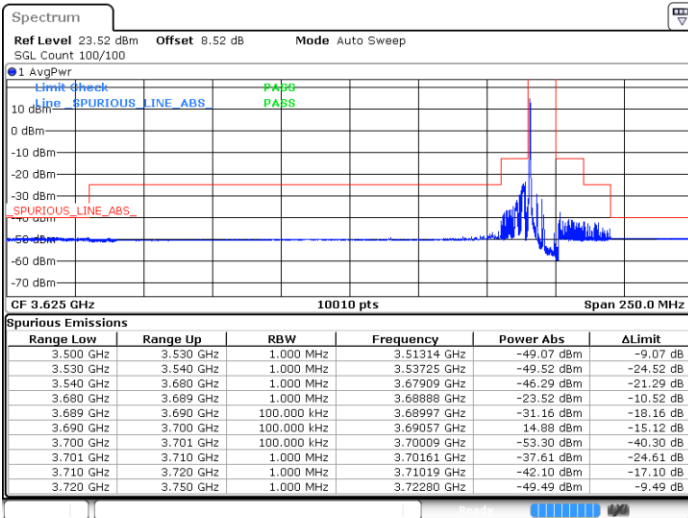


LTE Band 48 / 10MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

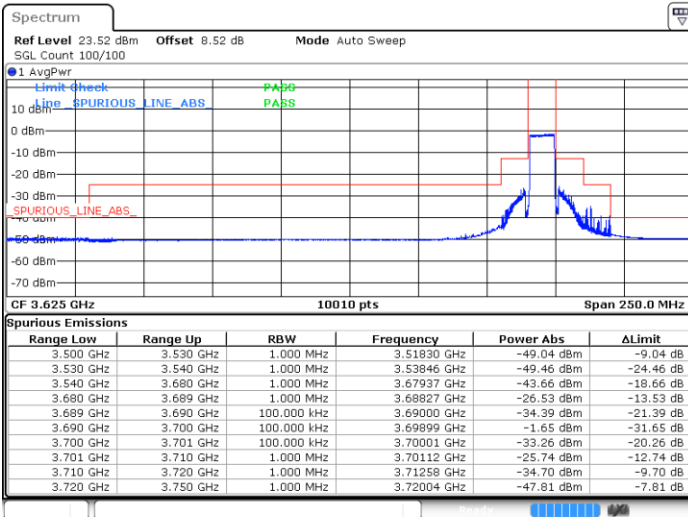


Date: 26 NOV 2021 17:59:21

Date: 26 NOV 2021 18:39:03

Highest Channel / Full RB

N/A



Date: 26 NOV 2021 17:46:37

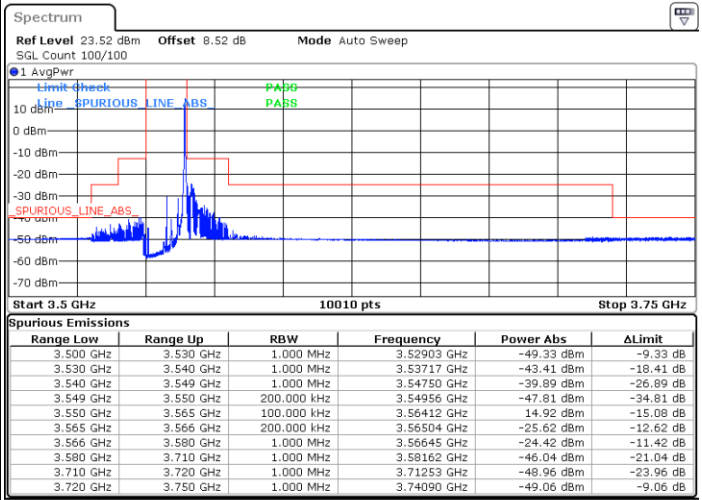
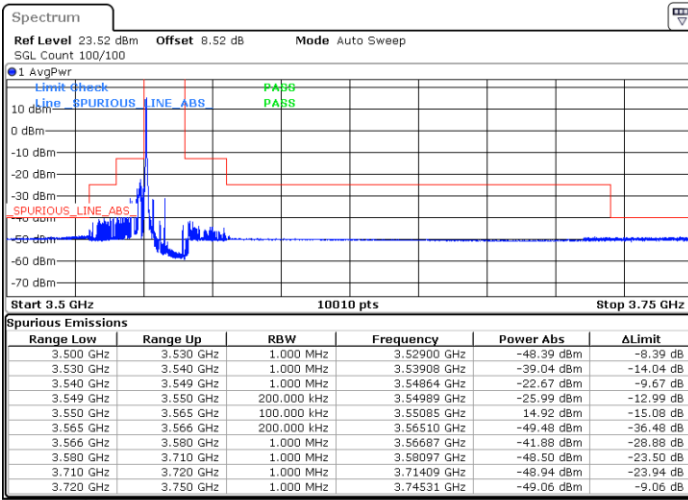


LTE Band 48 / 15MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

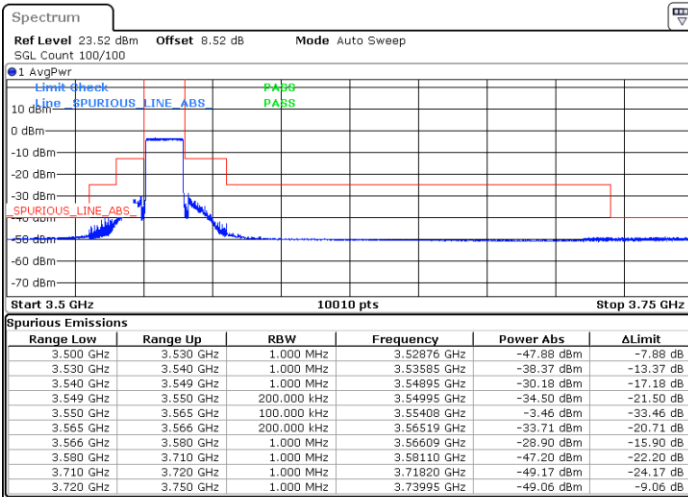


Date: 26 NOV 2021 18:51:01

Date: 26 NOV 2021 18:45:05

Lowest Channel / Full RB

N/A



Date: 26 NOV 2021 18:56:27

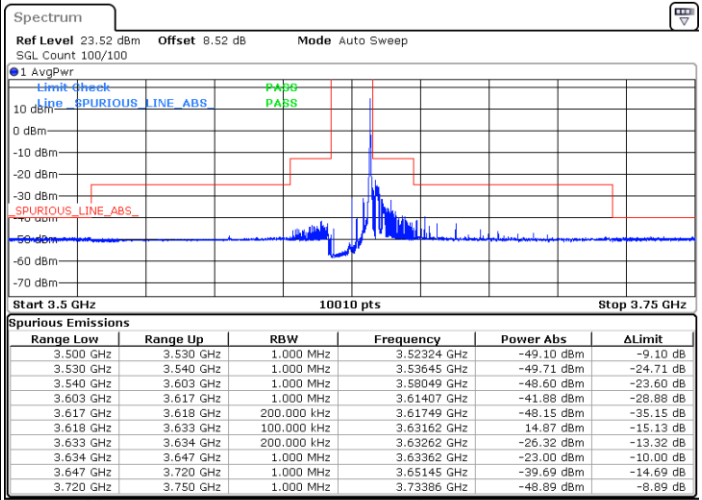
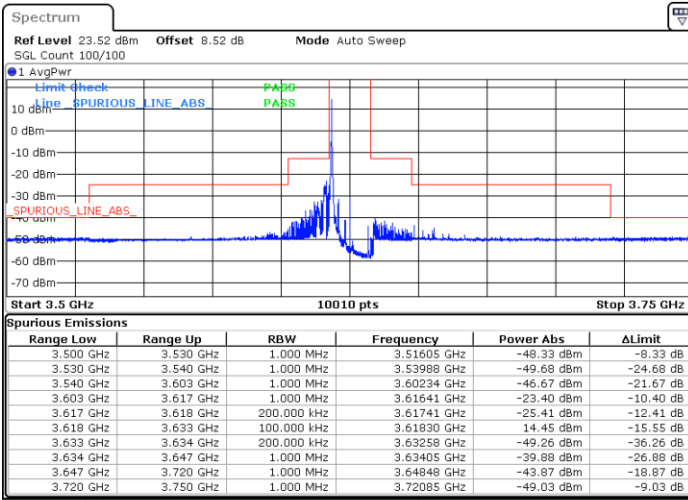


LTE Band 48 / 15MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

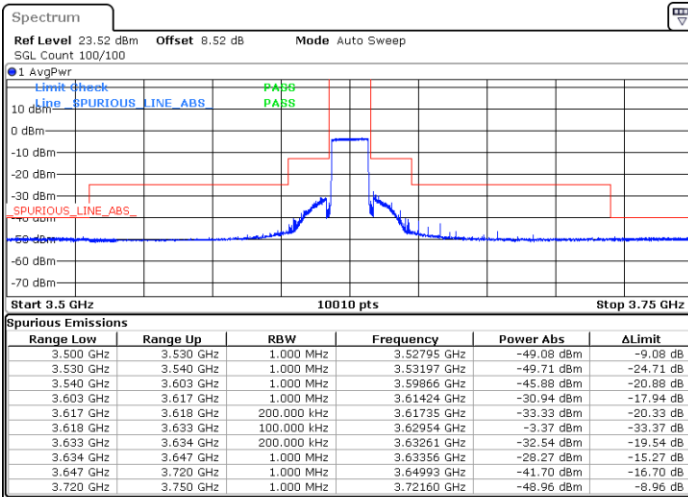


Date: 26 NOV 2021 19:04:46

Date: 26 NOV 2021 19:10:23

Middle Channel / Full RB

N/A



Date: 26 NOV 2021 19:14:54

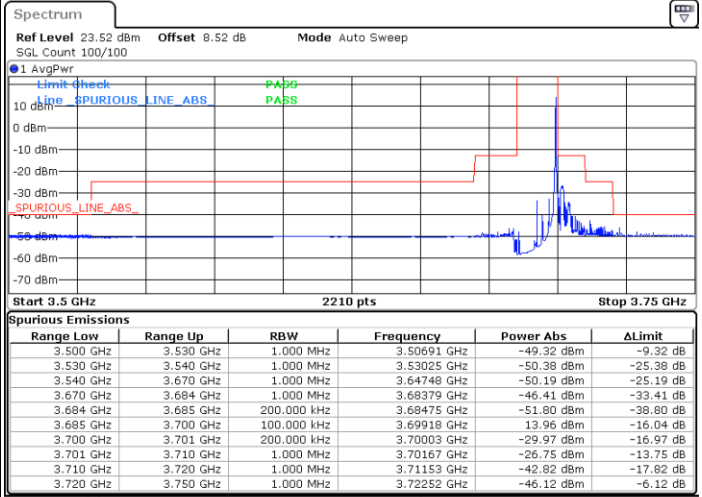
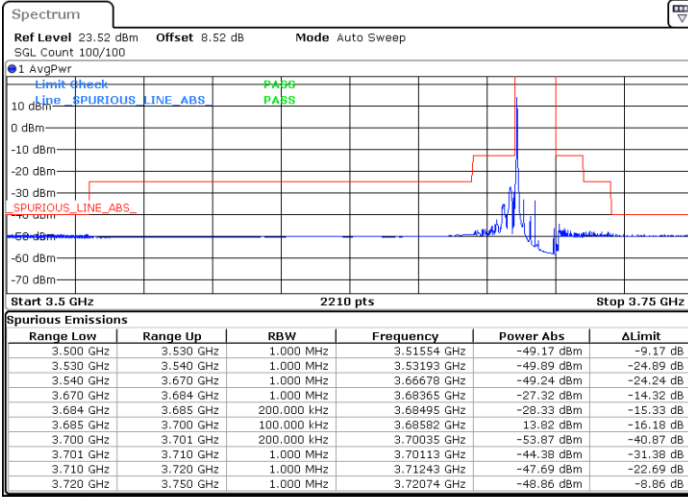


LTE Band 48 / 15MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

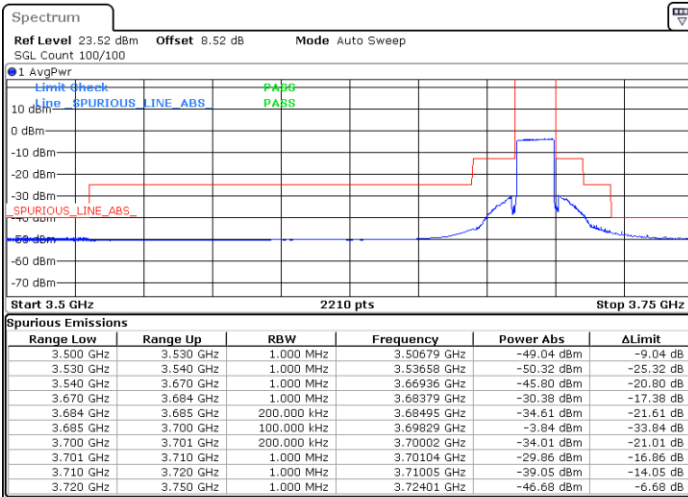


Date: 26 NOV 2021 19:29:11

Date: 26 NOV 2021 19:24:37

Highest Channel / Full RB

N/A



Date: 26 NOV 2021 19:19:33

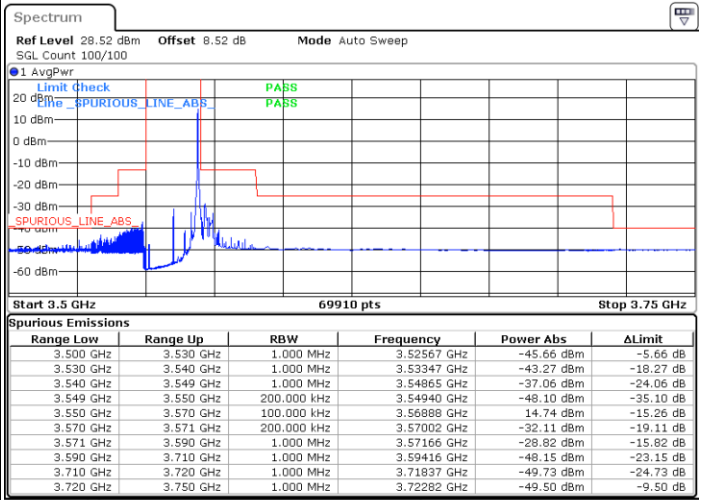
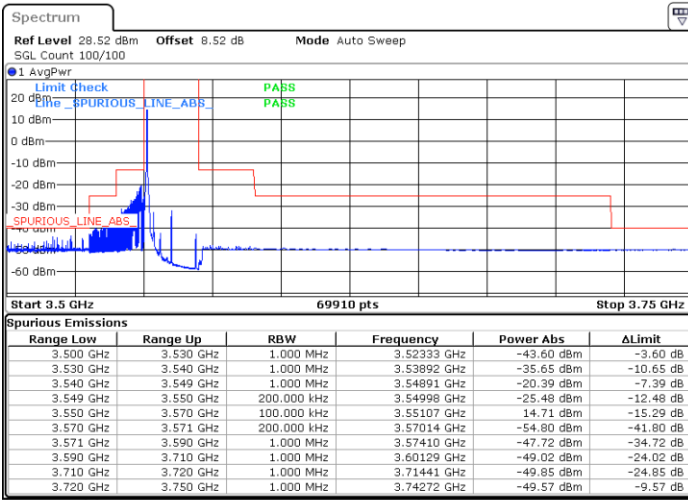


LTE Band 48 / 20MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

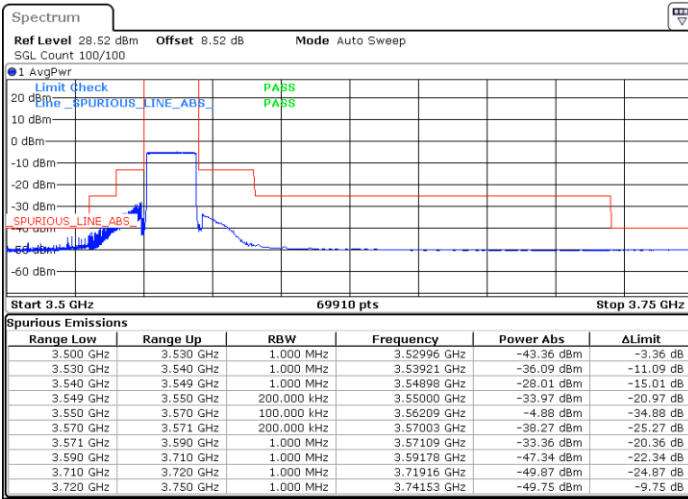


Date: 26 NOV 2021 19:43:28

Date: 26 NOV 2021 19:49:32

Lowest Channel / Full RB

N/A



Date: 26 NOV 2021 20:07:13

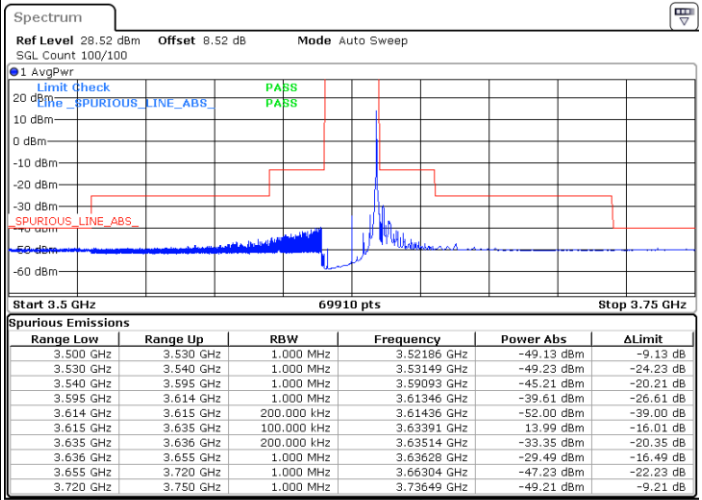
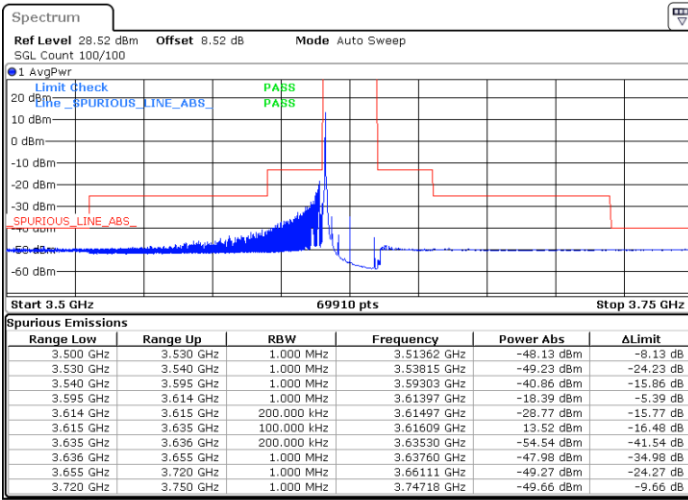


LTE Band 48 / 20MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

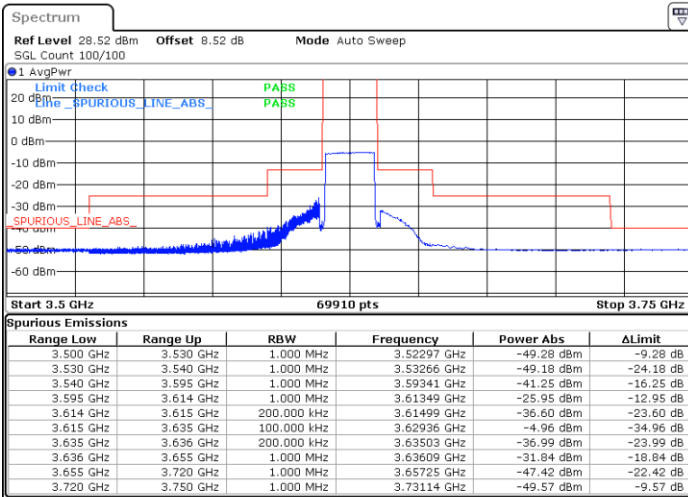


Date: 26 NOV 2021 20:25:41

Date: 26 NOV 2021 20:16:48

Middle Channel / Full RB

N/A



Date: 26 NOV 2021 20:12:55

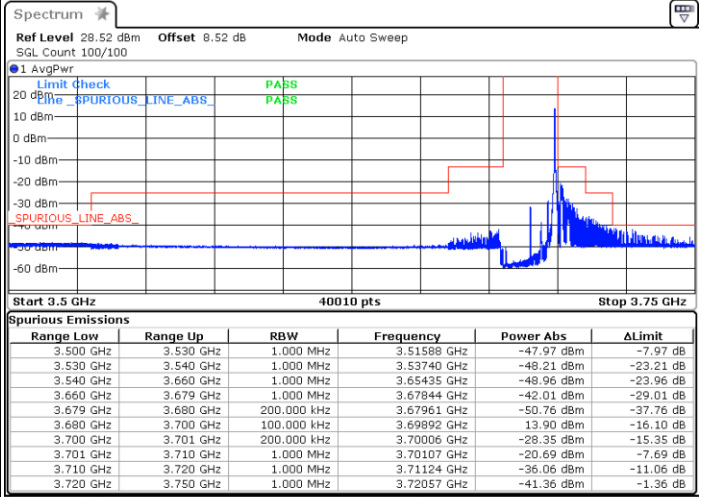
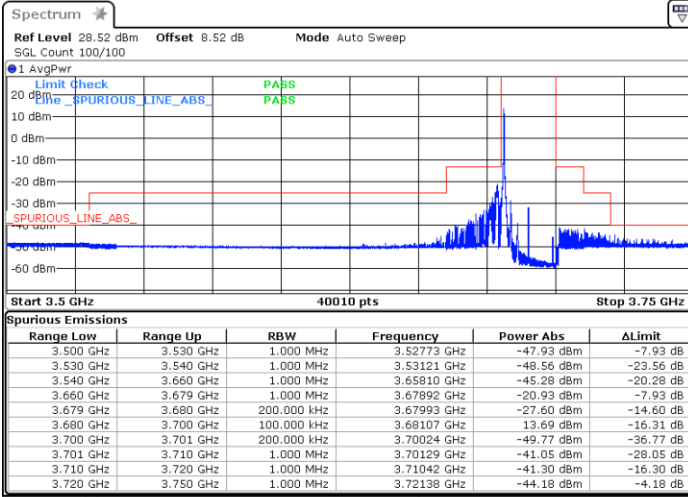


LTE Band 48 / 20MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

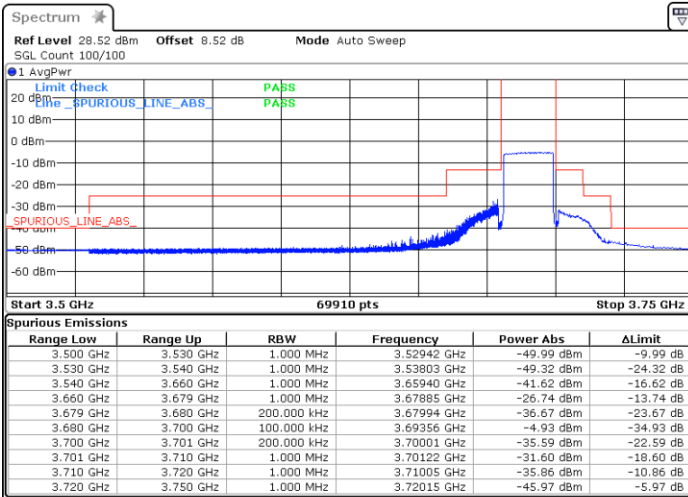


Date: 26.NOV.2021 19:49:20

Date: 26.NOV.2021 19:50:37

Highest Channel / Full RB

N/A



Date: 26 NOV 2021 20:50:37



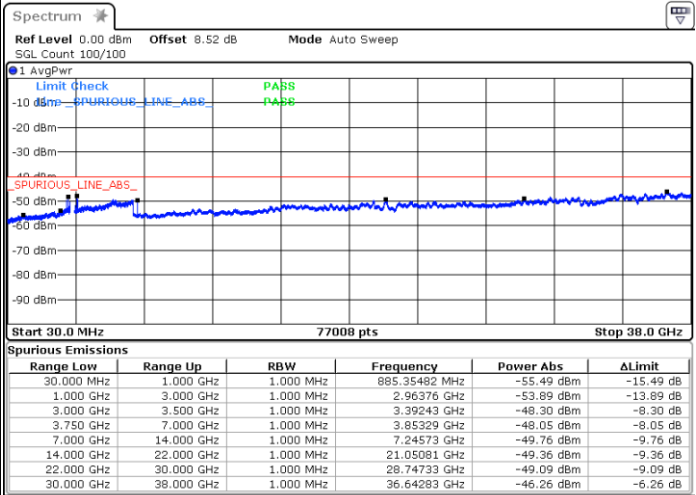
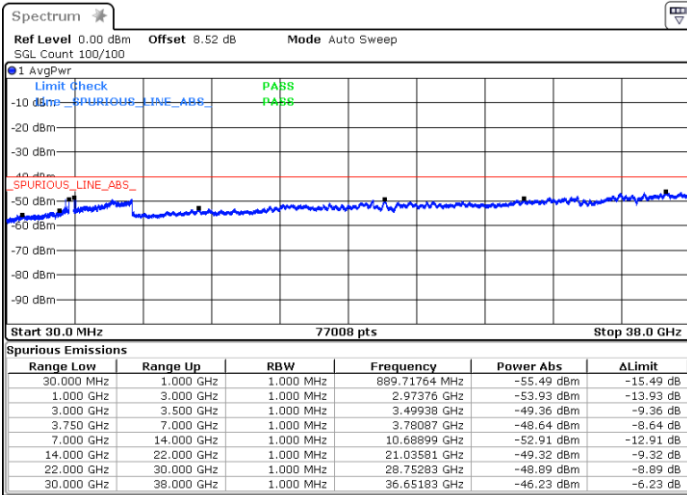
Conducted Spurious Emission

LTE Band 48 / 5MHz

QPSK / 1RB0

Lowest Channel

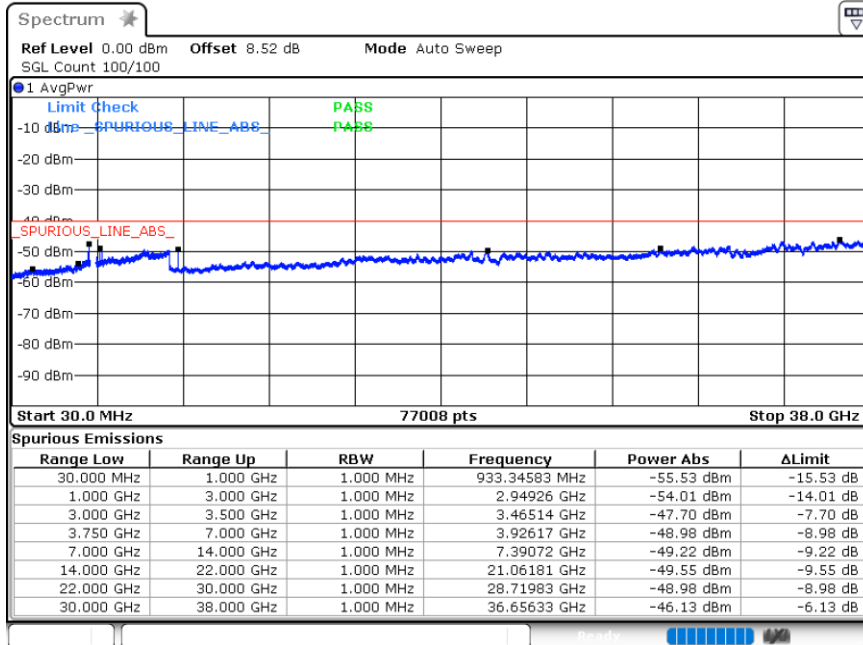
Middle Channel



Date: 26.NOV.2021 15:17:13

Date: 26.NOV.2021 15:16:16

Highest Channel



Date: 26.NOV.2021 15:50:16

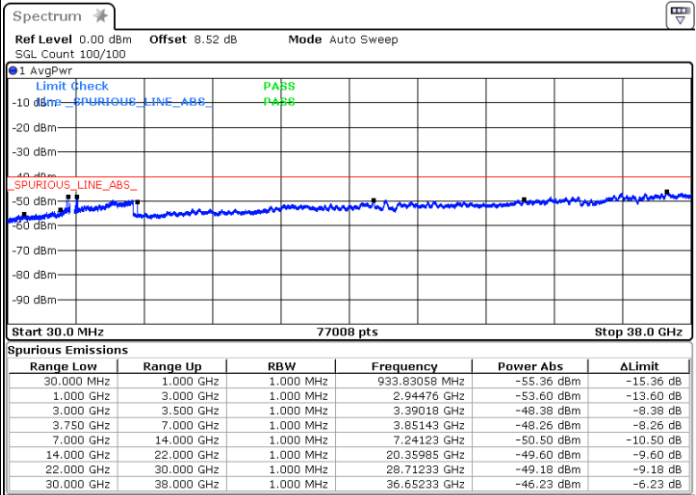
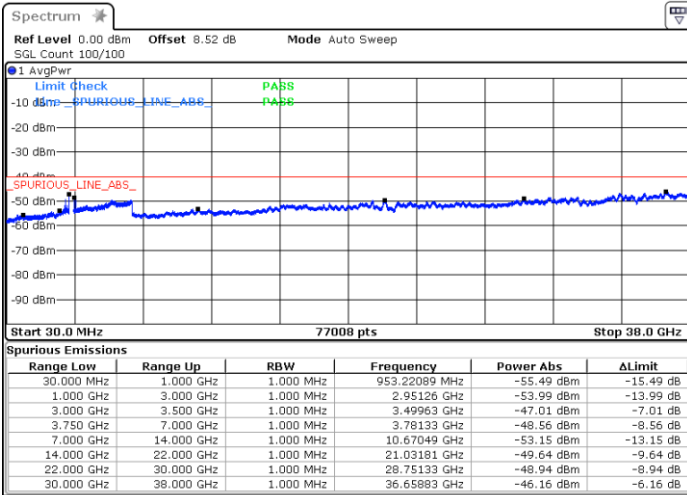


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

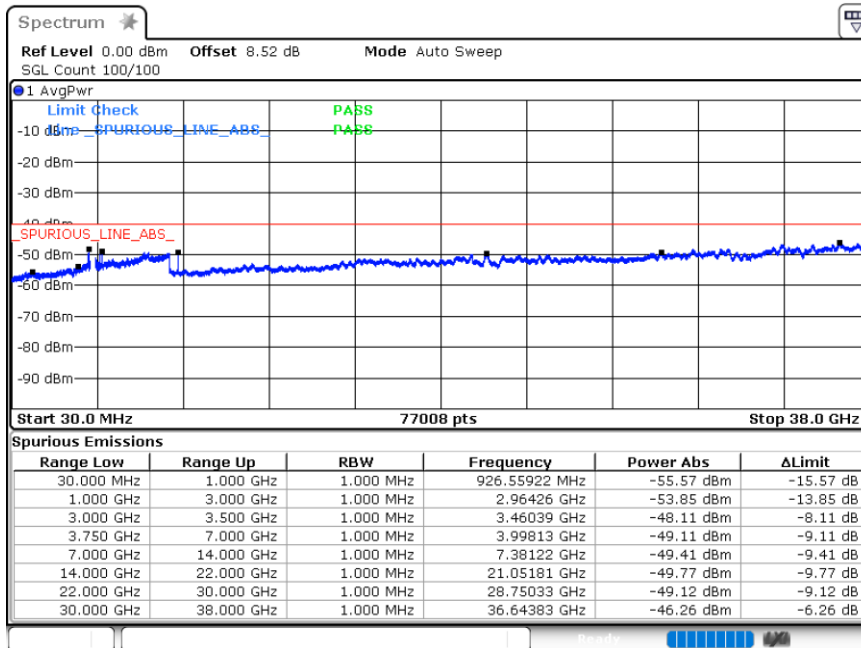
Middle Channel



Date: 26.NOV.2021 15:55:57

Date: 26.NOV.2021 16:16:18

Highest Channel



Date: 26.NOV.2021 16:24:46

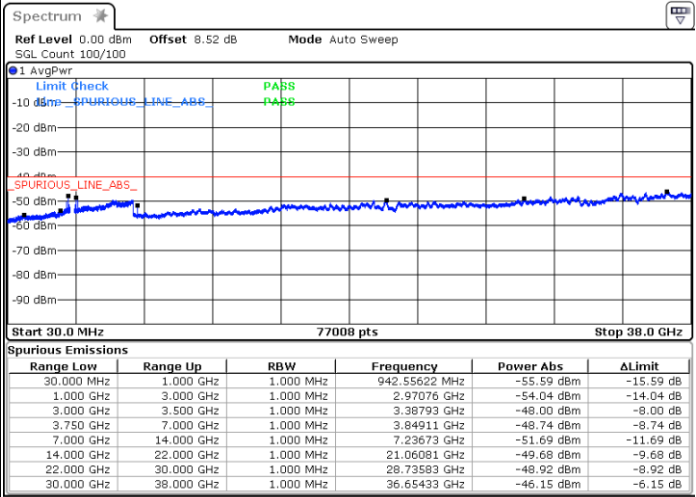
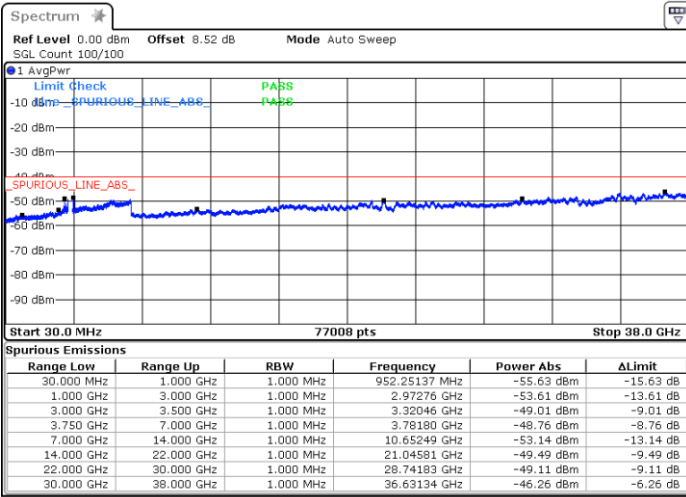


LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

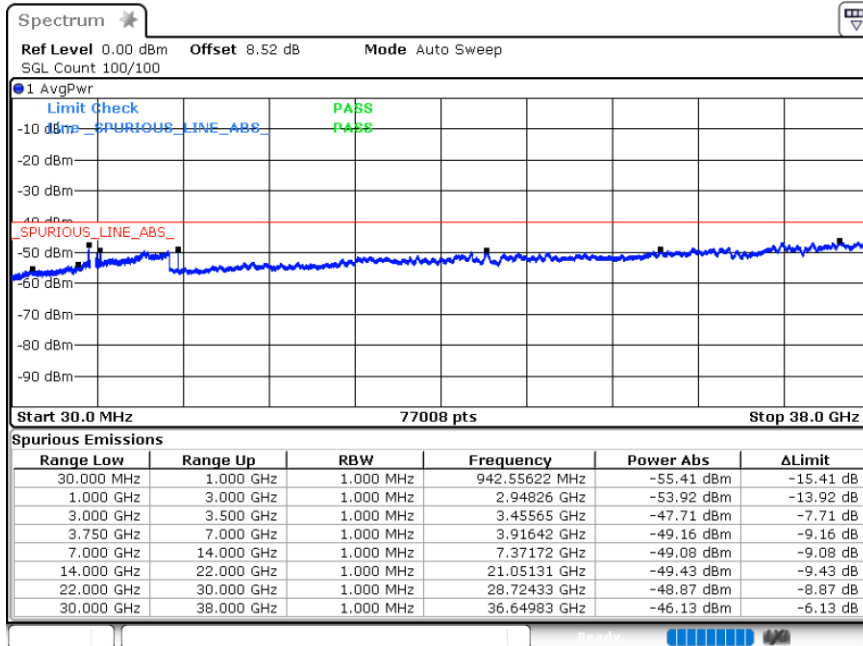
Middle Channel



Date: 26.NOV.2021 16:37:36

Date: 26.NOV.2021 16:54:22

Highest Channel



Date: 26.NOV.2021 17:34:35

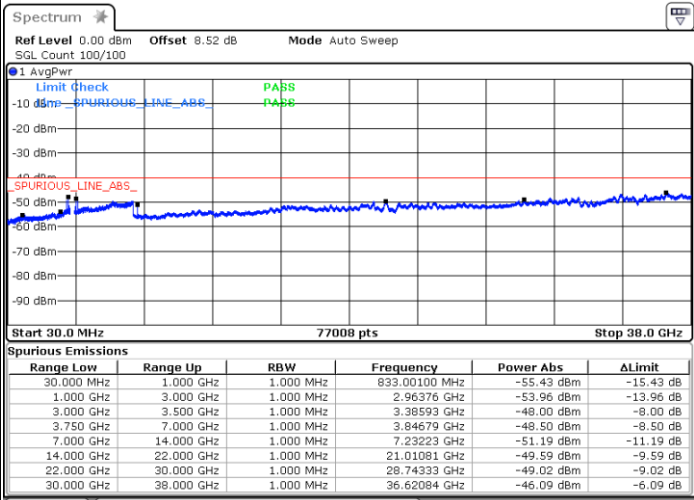
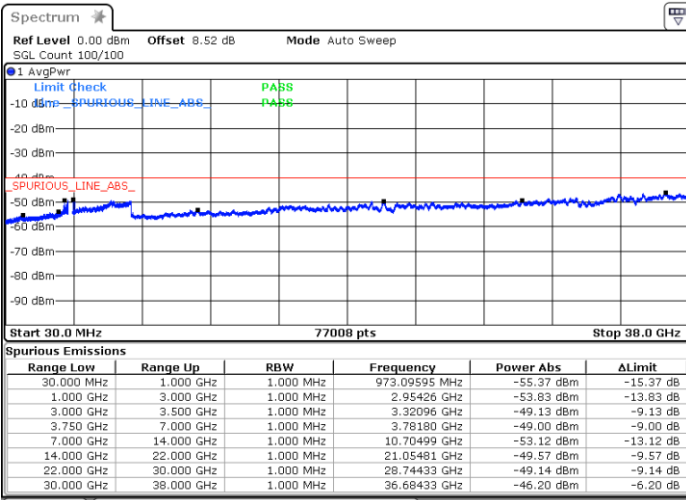


LTE Band 48 / 20MHz

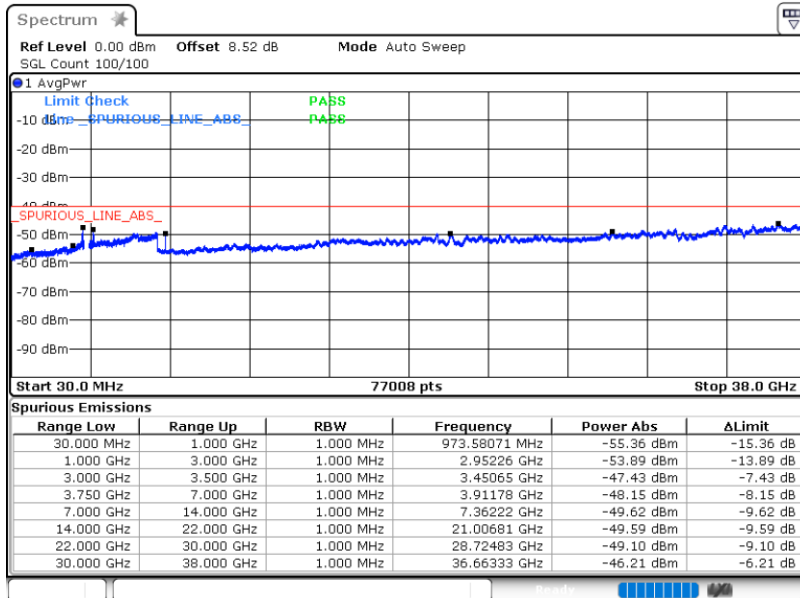
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel





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	0.0001	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0010	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0032	

Note:

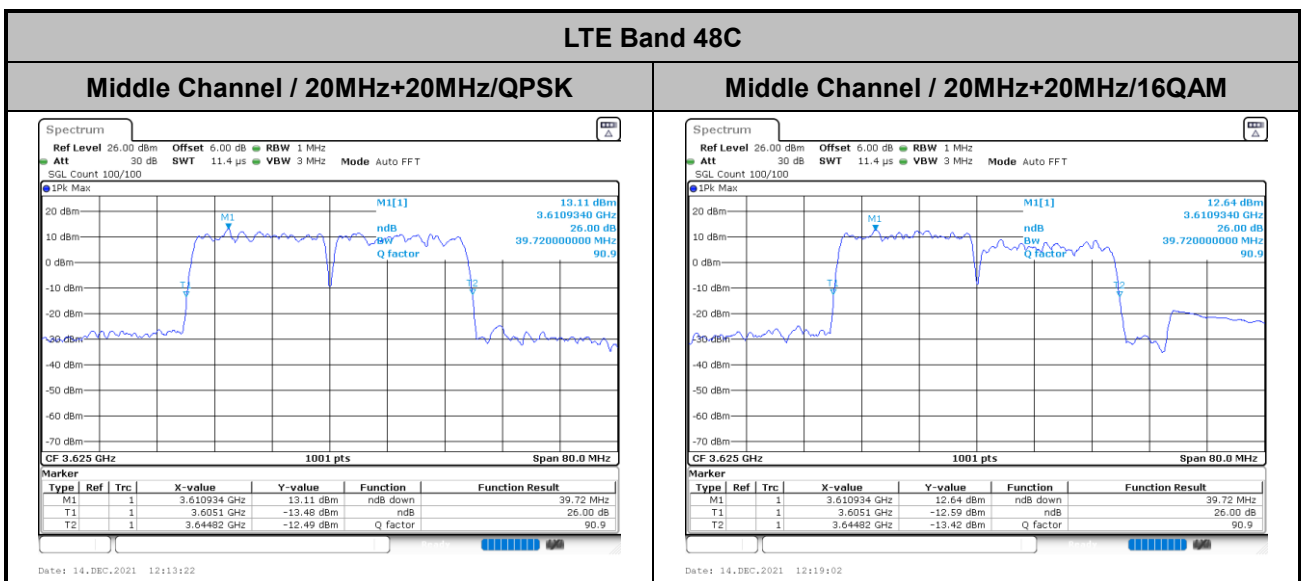
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48C

26dB Bandwidth

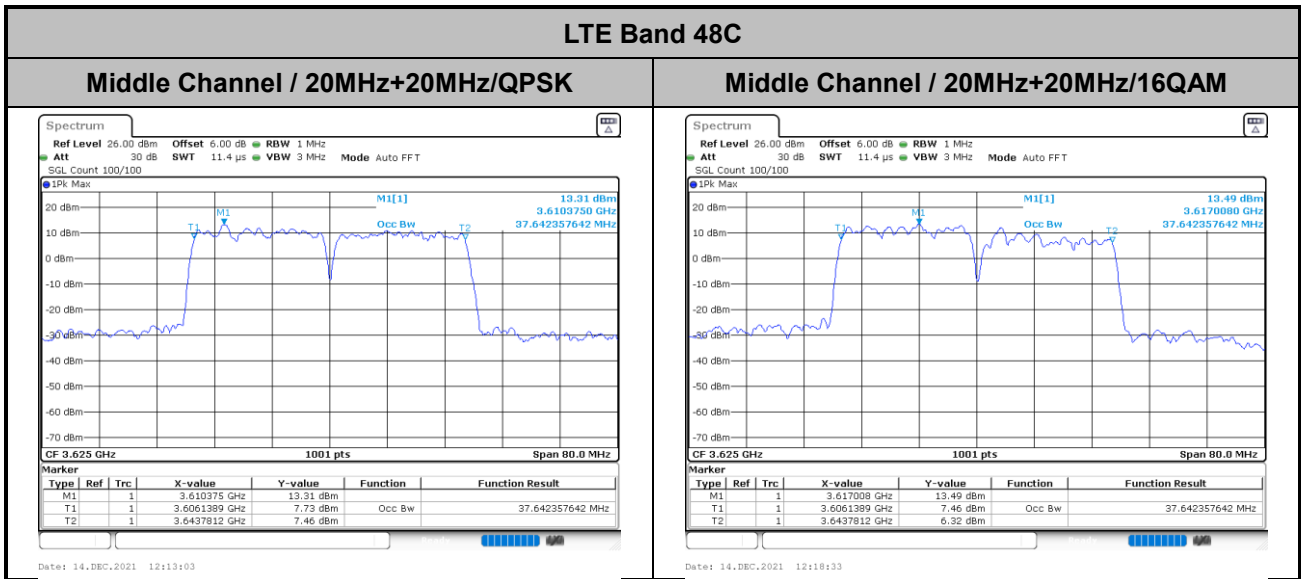
LTE Band 48C : 26dB BW(MHz)		
Mode	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.72	39.72





Occupied Bandwidth

LTE Band 48C : OBW(MHz)		
Mode	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.64	37.64

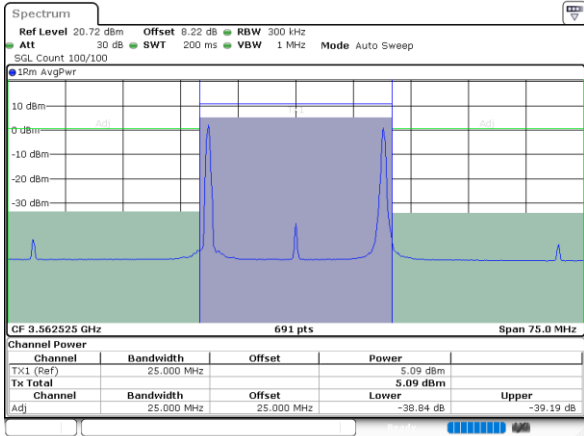




ACLR

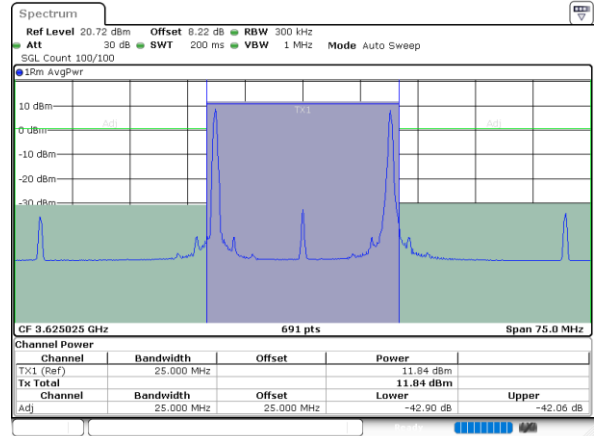
LTE Band 48C / 5MHz+20MHz QPSK

Lowest Band Edge / 1RB0 and 1RB9



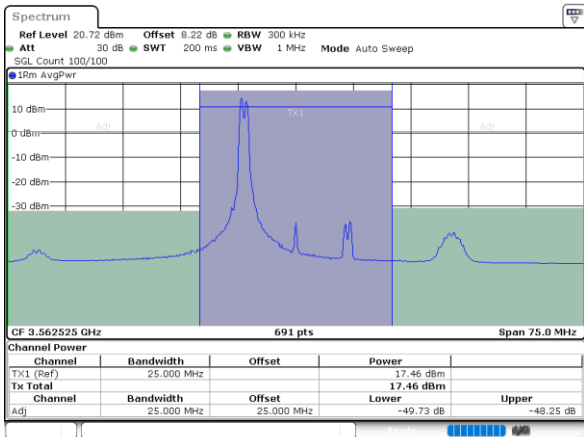
Date: 13, DEC, 2021 21:26:49

Middle Band Edge / 1RB0 and 1RB9



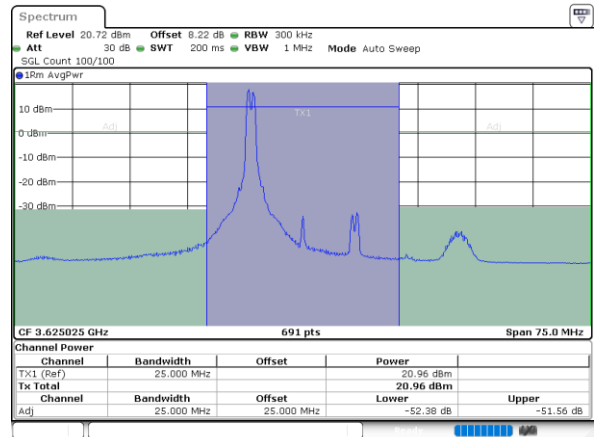
Date: 13, DEC, 2021 20:50:08

Lowest Band Edge / 1RB24 and 1RB0



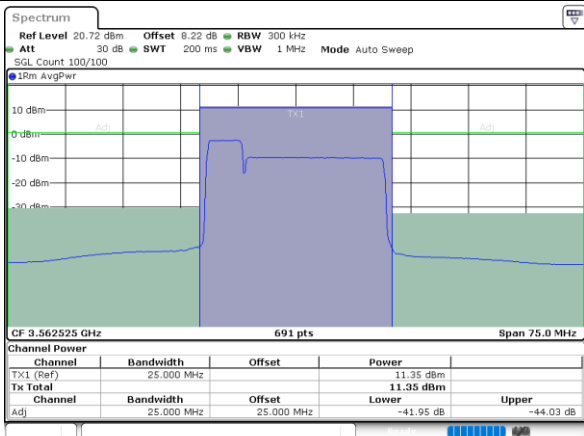
Date: 13, DEC, 2021 21:31:17

Middle Band Edge / 1RB24 and 1RB0



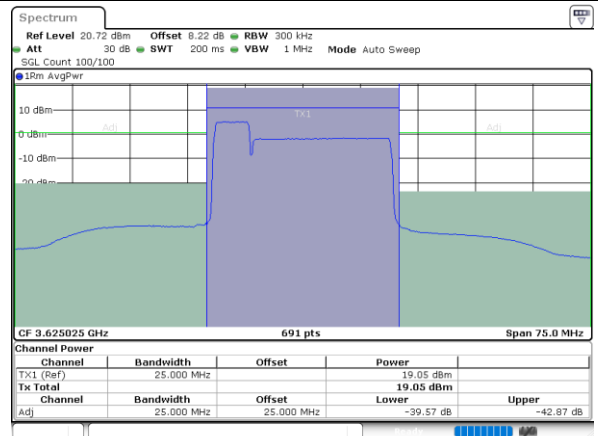
Date: 13, DEC, 2021 20:54:57

Lowest Band Edge / Full RB



Date: 13, DEC, 2021 21:22:44

Middle Band Edge / Full RB



Date: 13, DEC, 2021 20:49:48

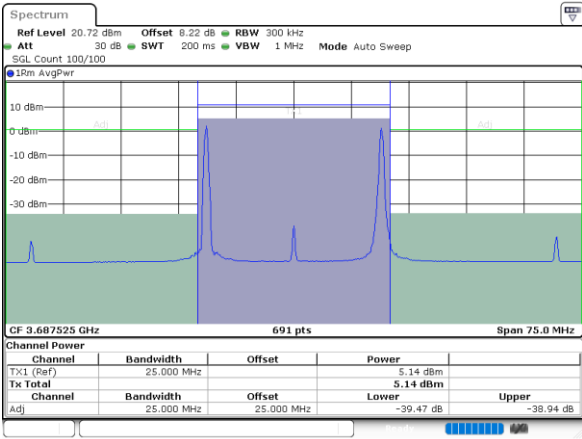


LTE Band 48C / 5MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

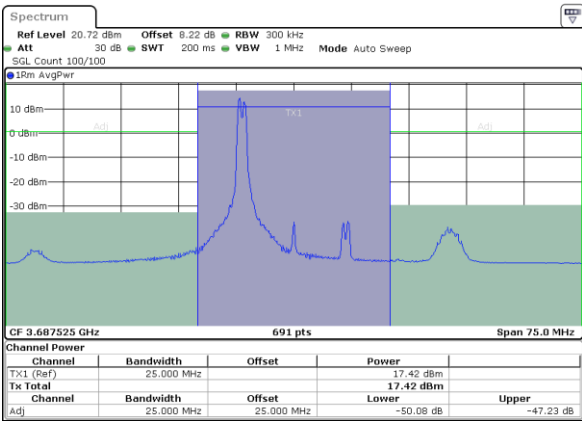
N/A



Date: 13, DEC, 2021 21:44:56

Highest Band Edge / 1RB24 and 1RB0

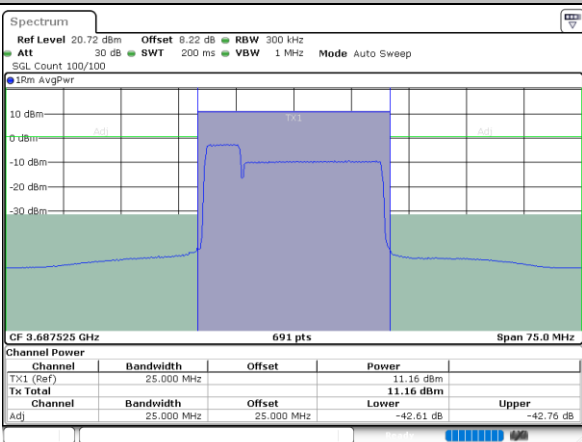
N/A



Date: 13, DEC, 2021 21:38:09

Highest Band Edge / Full RB

N/A



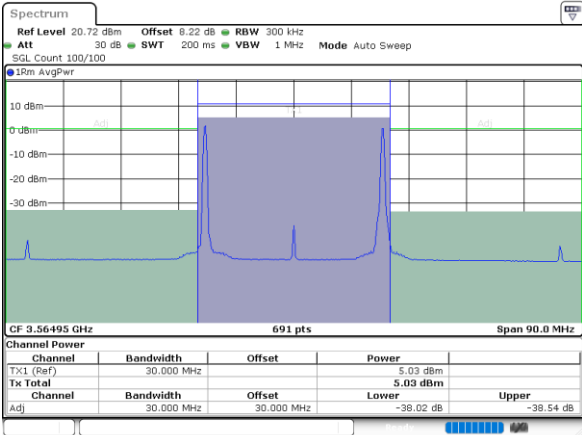
Date: 13, DEC, 2021 21:48:27



LTE Band 48C / 10MHz+20MHz

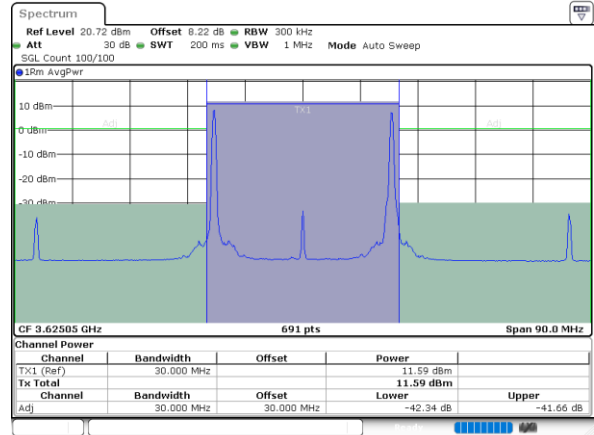
QPSK

Lowest Band Edge / 1RB0 and 1RB99



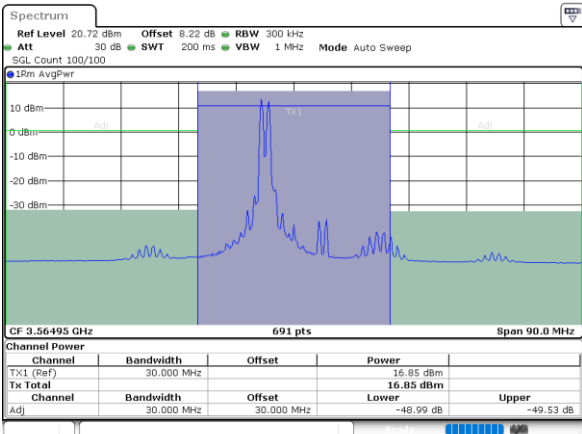
Date: 13, DEC, 2021 22:53:51

Middle Band Edge / 1RB0 and 1RB99



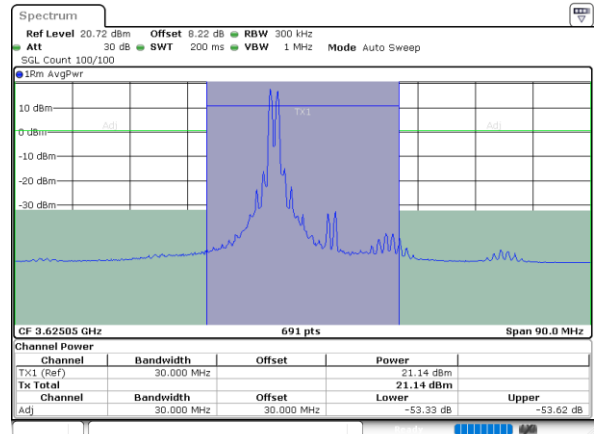
Date: 13, DEC, 2021 23:02:41

Lowest Band Edge / 1RB49 and 1RB0



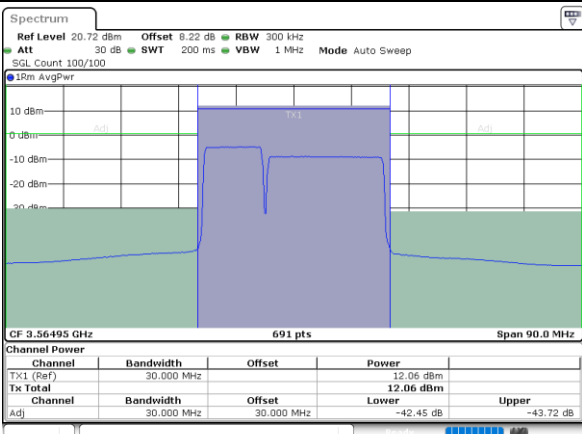
Date: 13, DEC, 2021 22:56:46

Middle Band Edge / 1RB49 and 1RB0



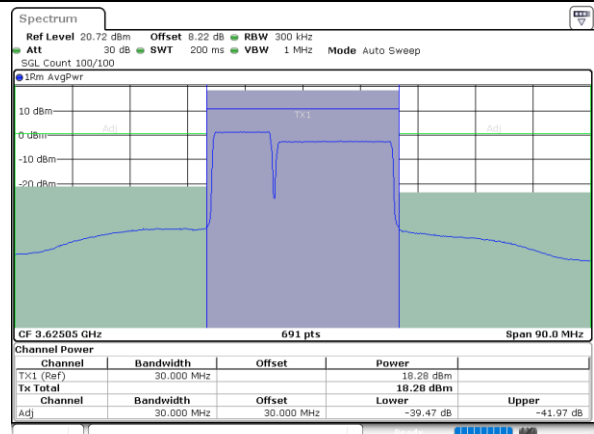
Date: 13, DEC, 2021 23:09:37

Lowest Band Edge / Full RB



Date: 13, DEC, 2021 22:50:55

Middle Band Edge / Full RB



Date: 13, DEC, 2021 22:55:45

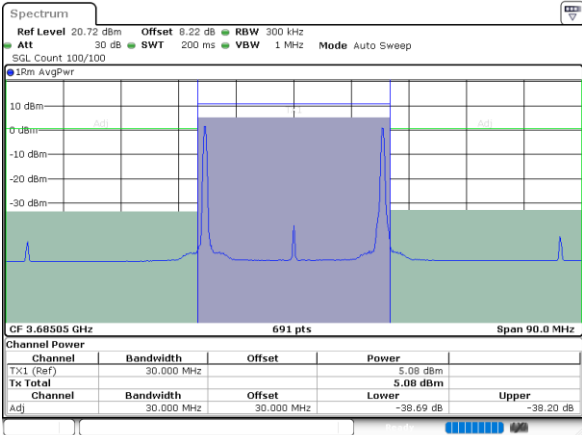


LTE Band 48C / 10MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

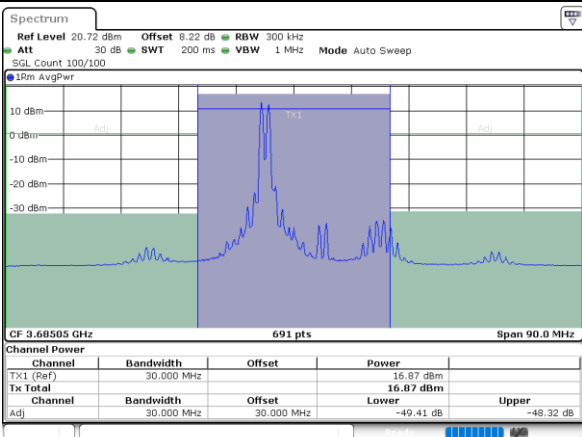
N/A



Date: 13, DEC, 2021 23:11:32

Highest Band Edge / 1RB49 and 1RB0

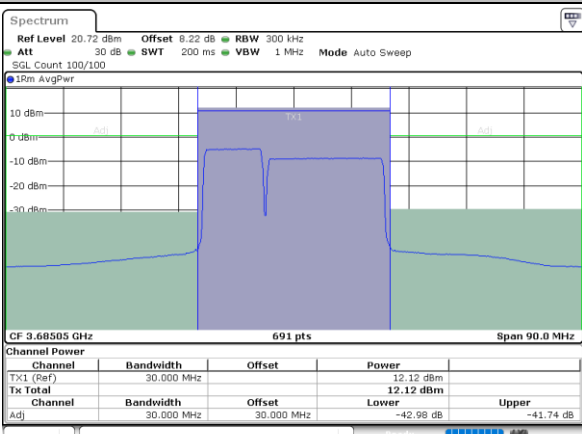
N/A



Date: 13, DEC, 2021 23:14:28

Highest Band Edge / Full RB

N/A



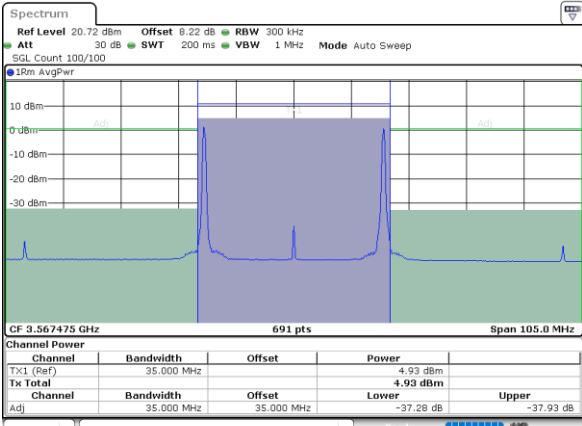
Date: 13, DEC, 2021 23:08:36



LTE Band 48C / 15MHz+20MHz

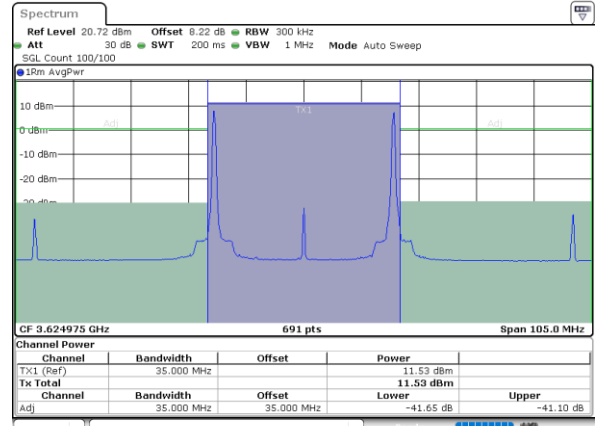
QPSK

Lowest Band Edge / 1RB0 and 1RB99



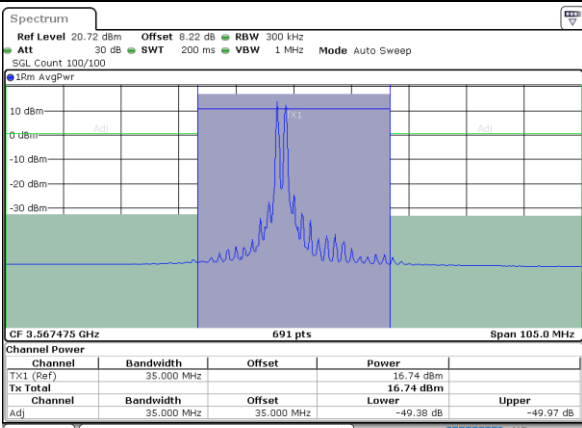
Date: 13, DEC, 2021 23:26:13

Middle Band Edge / 1RB0 and 1RB99



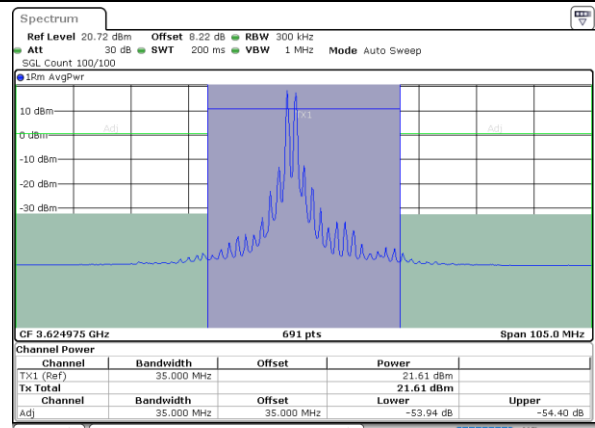
Date: 13, DEC, 2021 23:35:03

Lowest Band Edge / 1RB74 and 1RB0



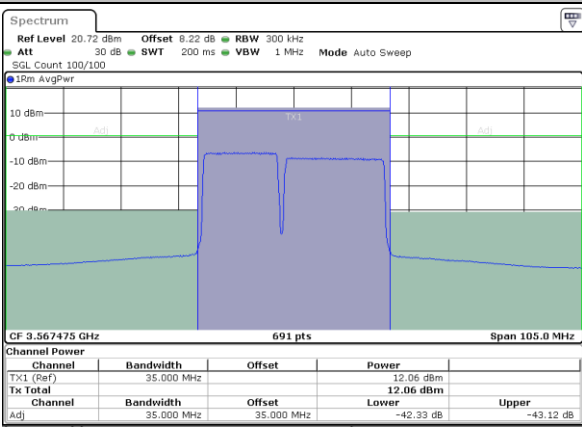
Date: 13, DEC, 2021 23:29:08

Middle Band Edge / 1RB74 and 1RB0



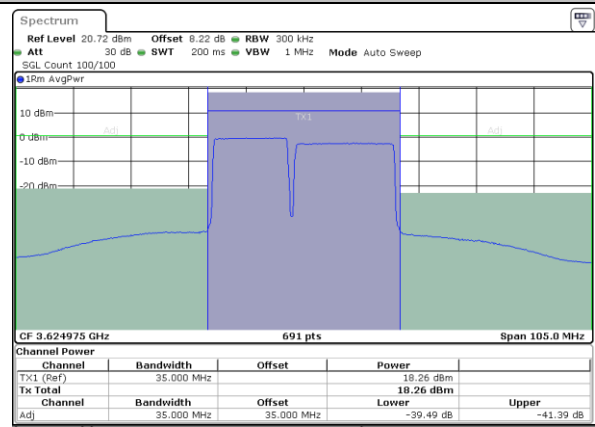
Date: 13, DEC, 2021 23:37:59

Lowest Band Edge / Full RB



Date: 13, DEC, 2021 23:23:17

Middle Band Edge / Full RB



Date: 13, DEC, 2021 23:32:07

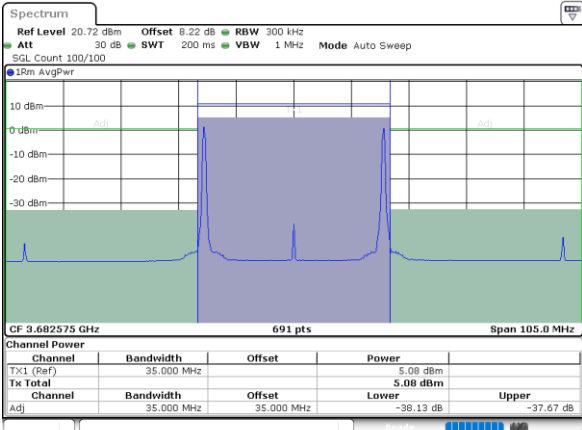


LTE Band 48C / 15MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

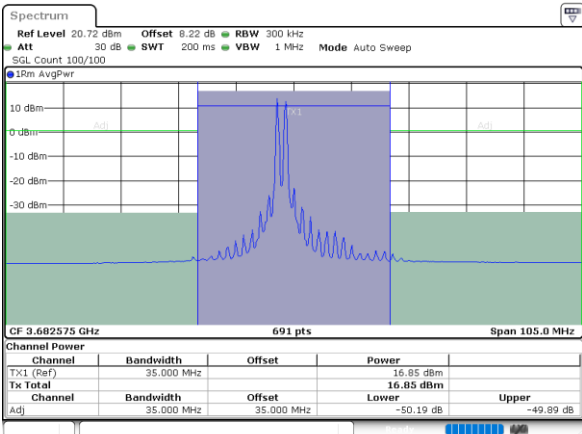
N/A



Date: 13, DEC, 2021 23:43:54

Highest Band Edge / 1RB74 and 1RB0

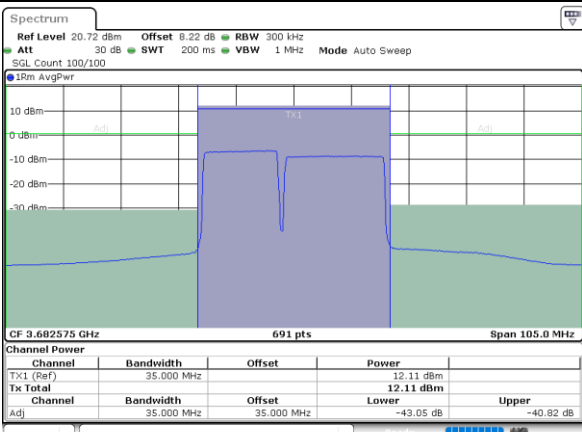
N/A



Date: 13, DEC, 2021 23:46:49

Highest Band Edge / Full RB

N/A



Date: 13, DEC, 2021 23:40:58

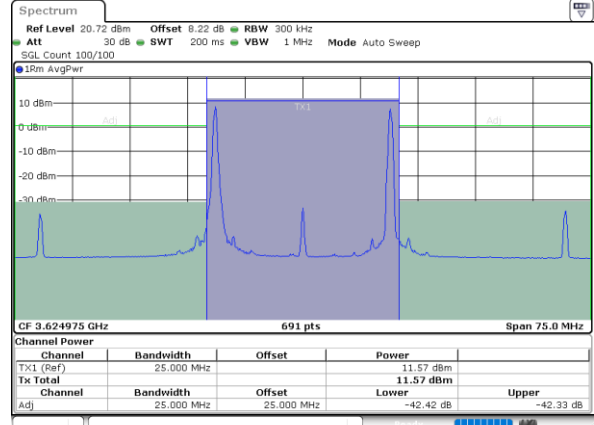
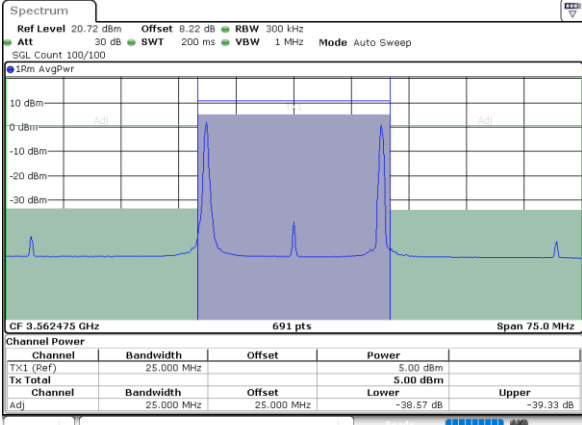


LTE Band 48C/ 20MHz+5MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB24

Middle Band Edge / 1RB0 and 1RB24

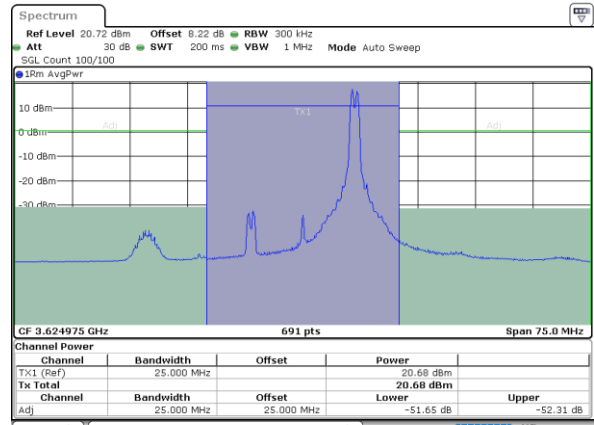
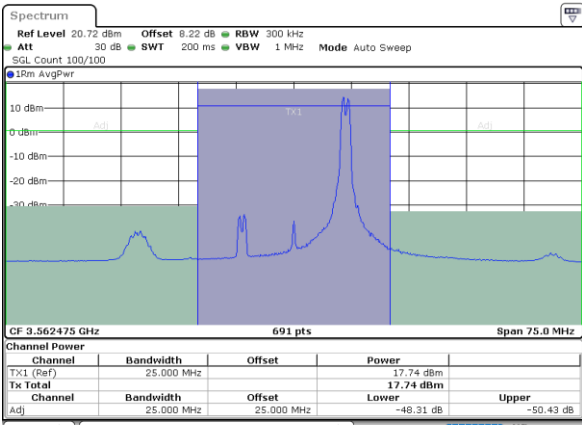


Date: 13, DEC, 2021 22:04:37

Date: 13, DEC, 2021 22:28:55

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

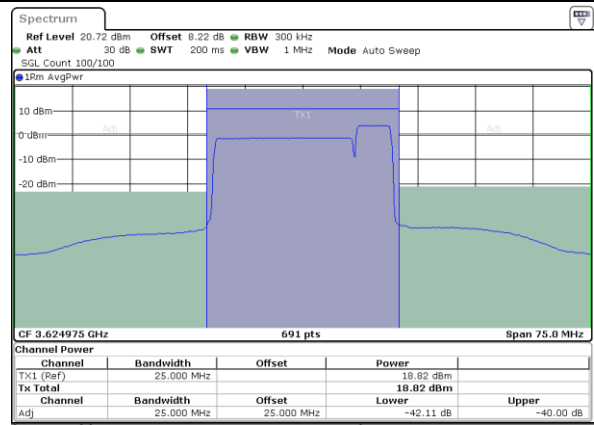
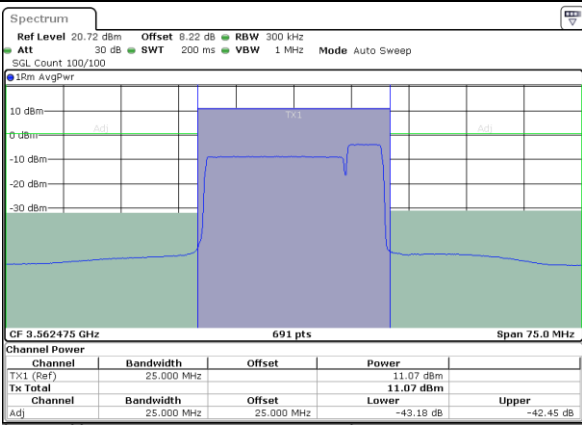


Date: 13, DEC, 2021 22:08:41

Date: 13, DEC, 2021 22:31:50

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 13, DEC, 2021 22:01:10

Date: 13, DEC, 2021 22:20:56

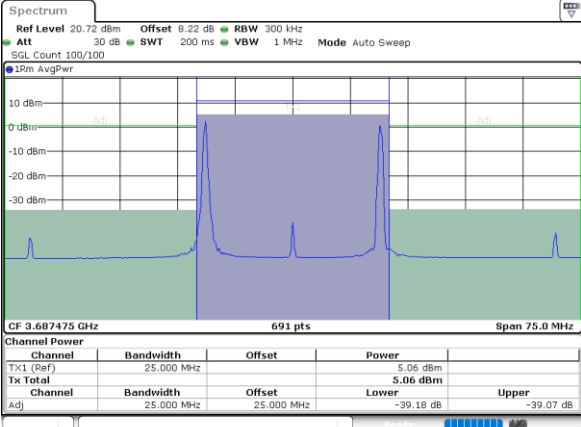


LTE Band 48C / 20MHz+5MHz

QPSK

Highest Band Edge / 1RB0 and 1RB24

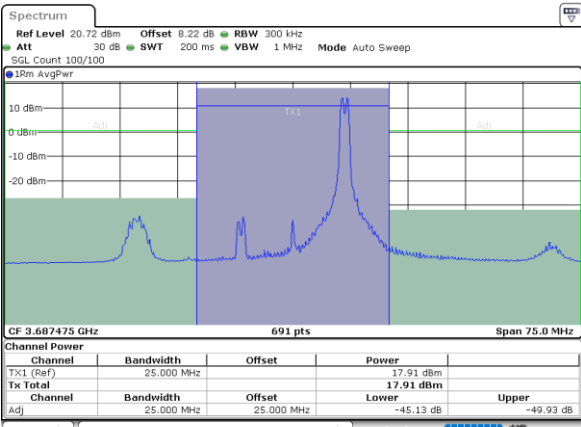
N/A



Date: 13, DEC, 2021 22:37:45

Highest Band Edge / 1RB99 and 1RB0

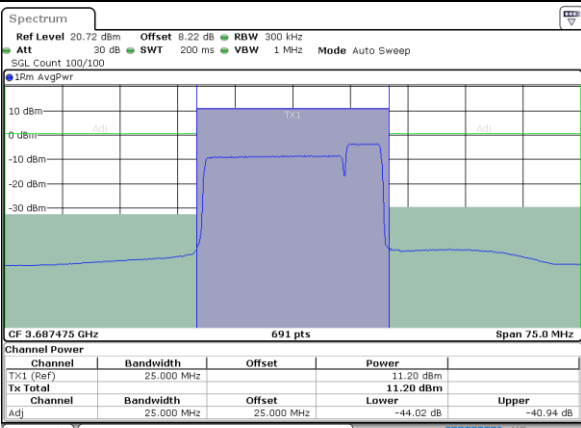
N/A



Date: 13, DEC, 2021 22:40:40

Highest Band Edge / Full RB

N/A



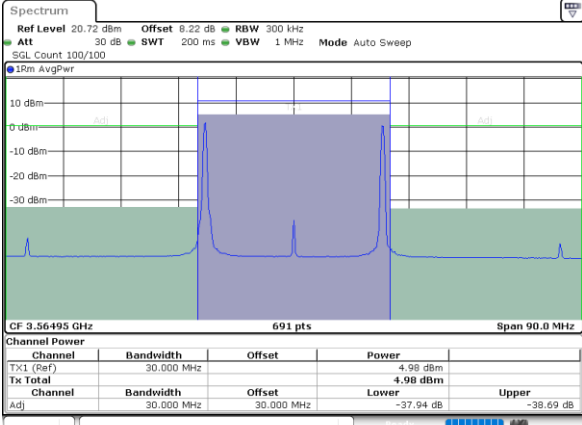
Date: 13, DEC, 2021 22:34:50



LTE Band 48C / 20MHz+10MHz

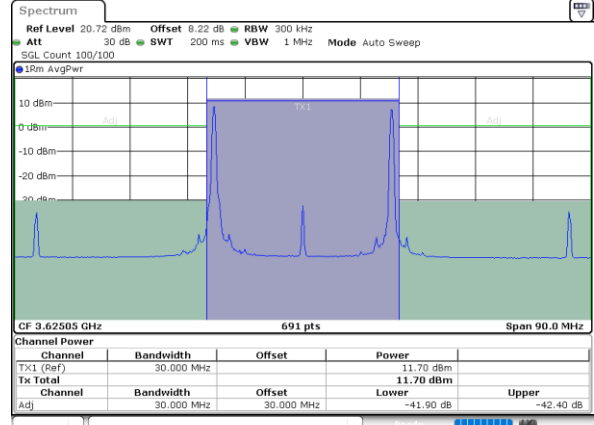
QPSK

Lowest Band Edge / 1RB0 and 1RB49



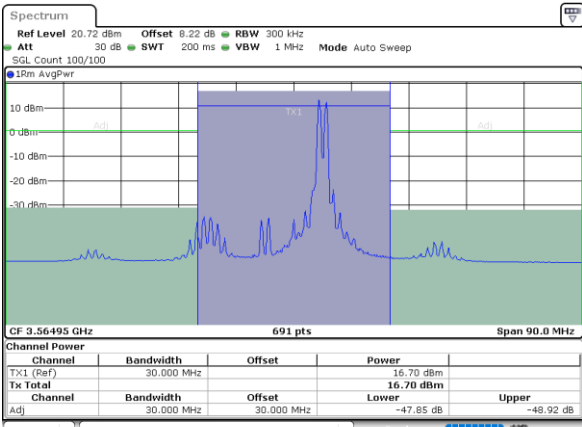
Date: 14, DEC, 2021 09:57:46

Middle Band Edge / 1RB0 and 1RB49



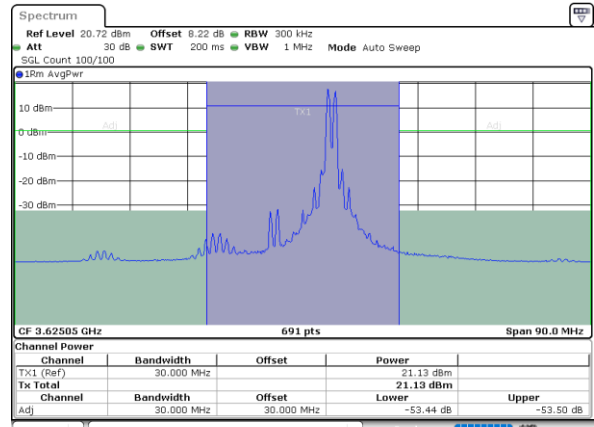
Date: 14, DEC, 2021 10:10:43

Lowest Band Edge / 1RB99 and 1RB0



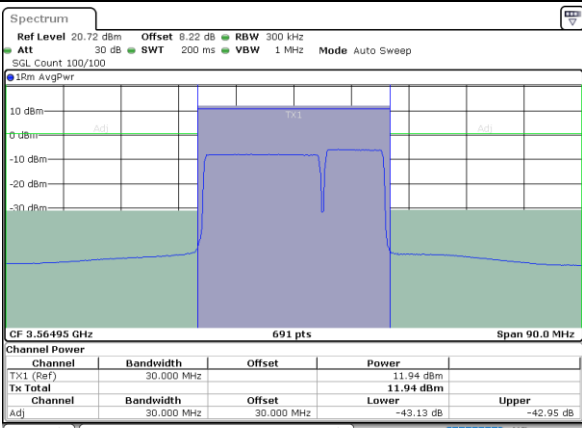
Date: 14, DEC, 2021 10:02:01

Middle Band Edge / 1RB99 and 1RB0



Date: 14, DEC, 2021 10:11:29

Lowest Band Edge / Full RB



Date: 14, DEC, 2021 09:52:20

Middle Band Edge / Full RB



Date: 14, DEC, 2021 10:09:14

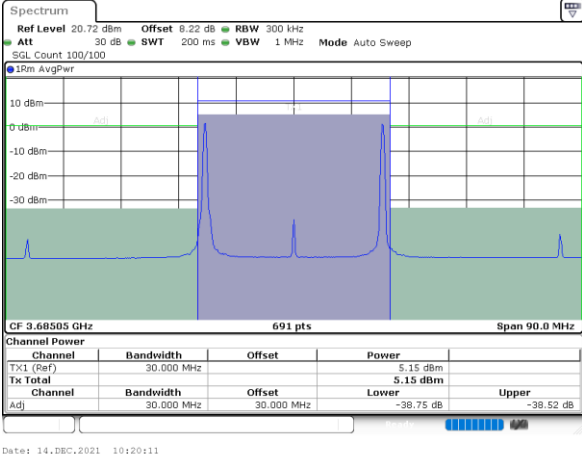


LTE Band 48C / 20MHz+10MHz

QPSK

Highest Band Edge / 1RB0 and 1RB49

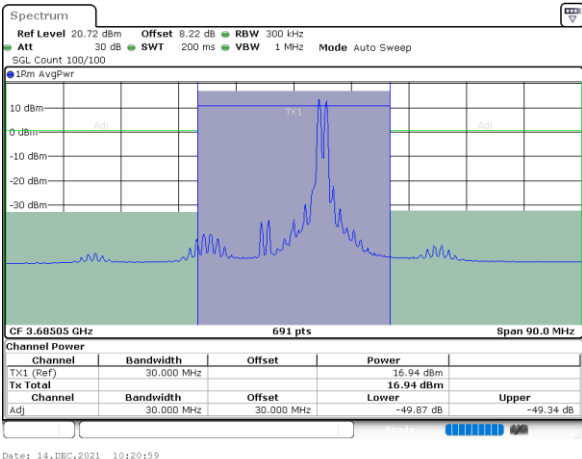
N/A



Date: 14, DEC, 2021 10:20:11

Highest Band Edge / 1RB99 and 1RB0

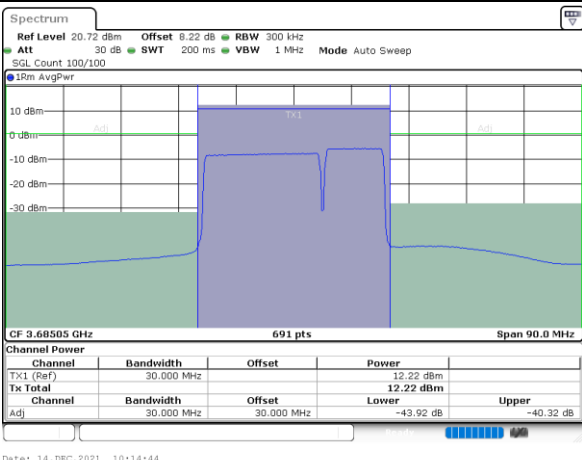
N/A



Date: 14, DEC, 2021 10:20:59

Highest Band Edge / Full RB

N/A



Date: 14, DEC, 2021 10:14:44