

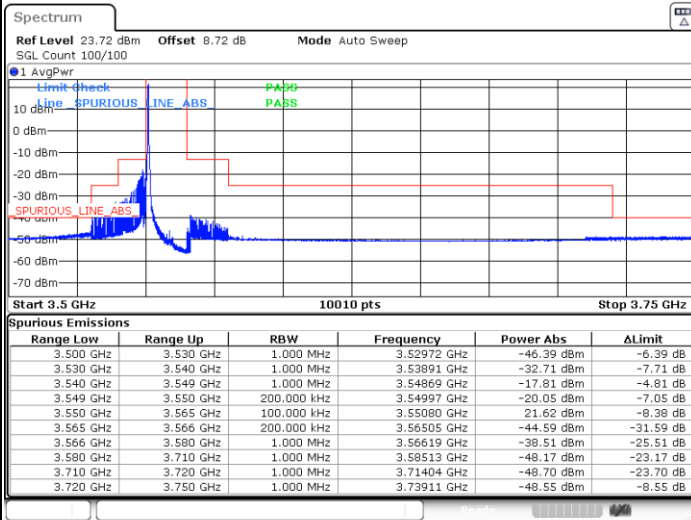


LTE Band 48 / 15MHz

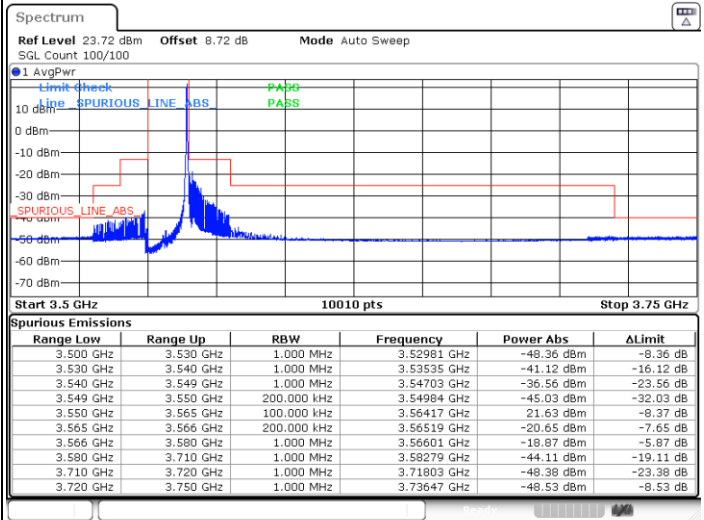
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



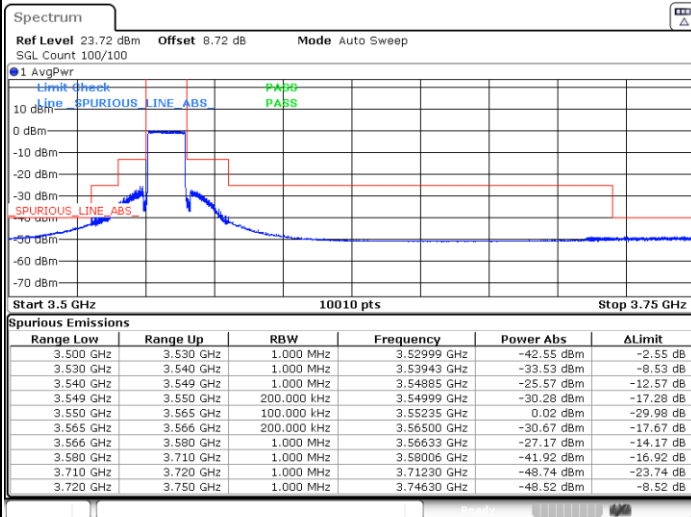
Date: 24.JUN.2022 02:03:31



Date: 24.JUN.2022 02:08:10

Lowest Channel / Full RB

N/A



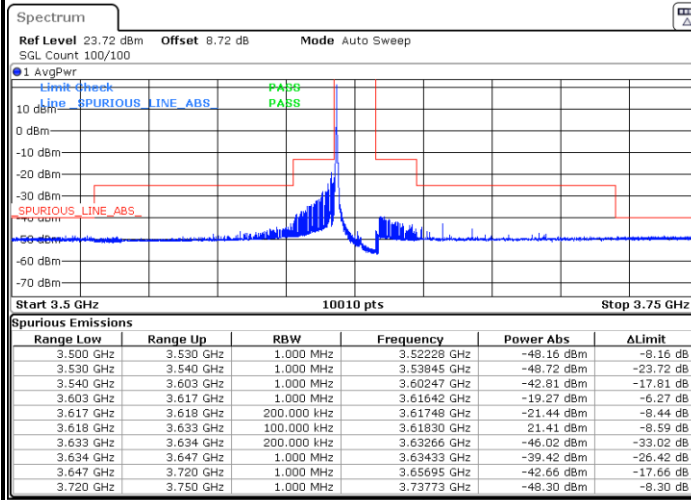
Date: 24.JUN.2022 13:34:12



LTE Band 48 / 15MHz

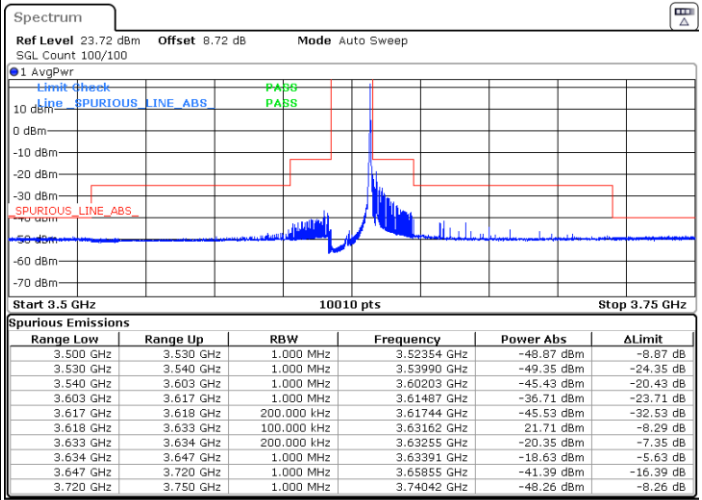
16QAM

Middle Channel / 1RB0



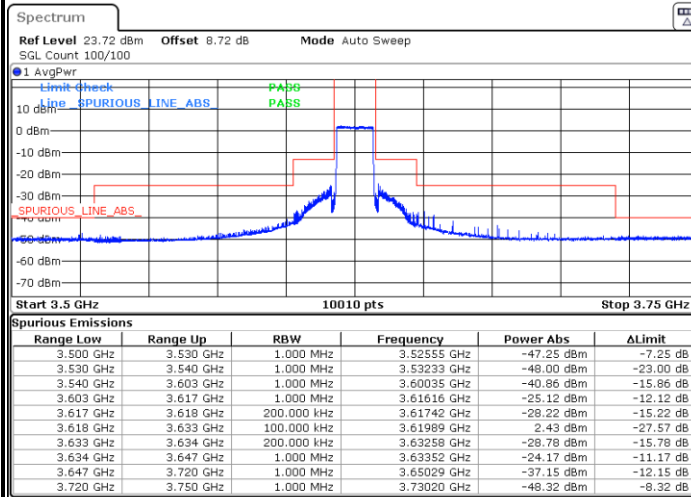
Date: 24.JUN.2022 02:16:02

Middle Channel / 1RBmax



Date: 24.JUN.2022 02:12:34

Middle Channel / Full RB



Date: 24.JUN.2022 02:20:13

N/A

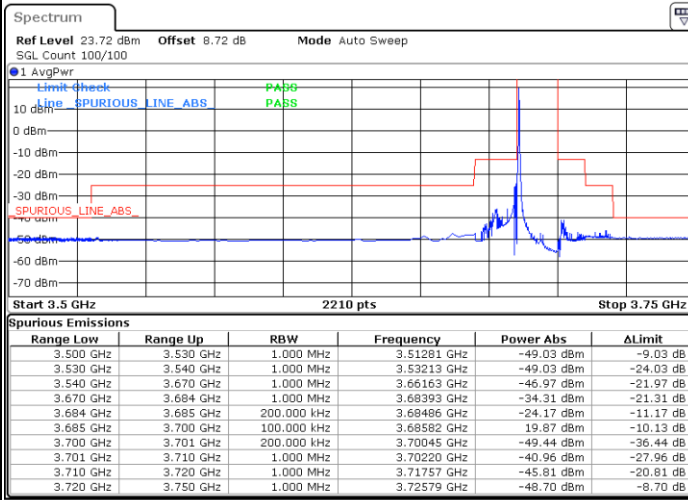


LTE Band 48 / 15MHz

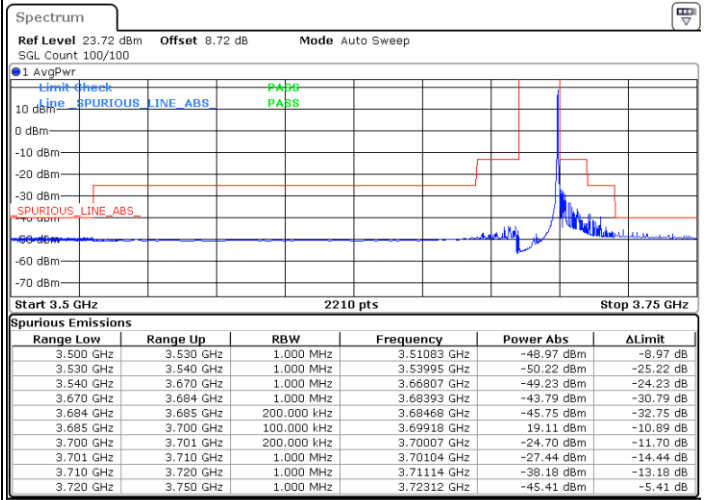
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



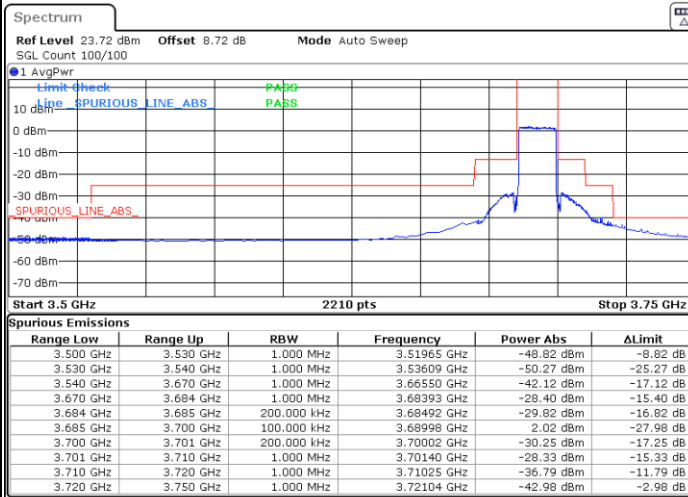
Date: 24.JUN.2022 02:30:21



Date: 24.JUN.2022 02:35:32

Highest Channel / Full RB

N/A



Date: 24.JUN.2022 02:25:07

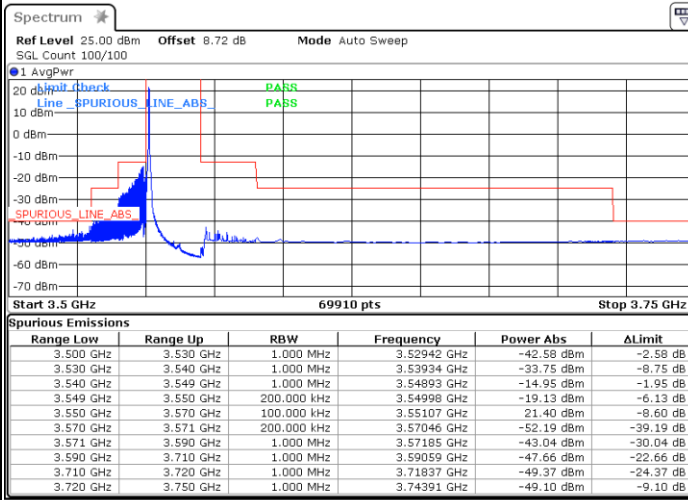


LTE Band 48 / 20MHz

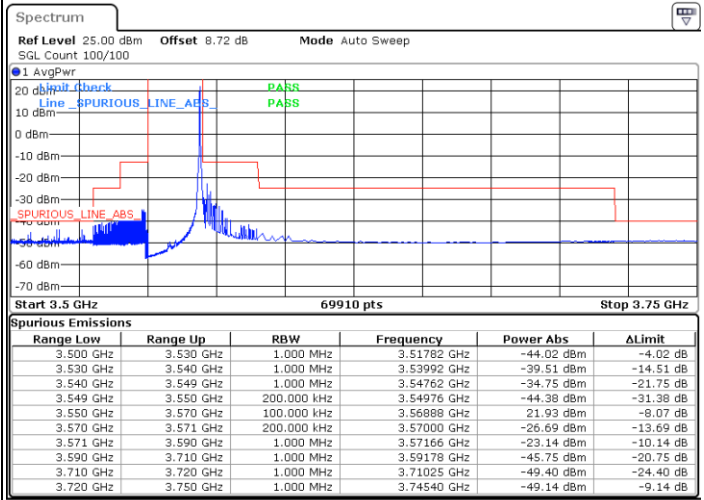
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



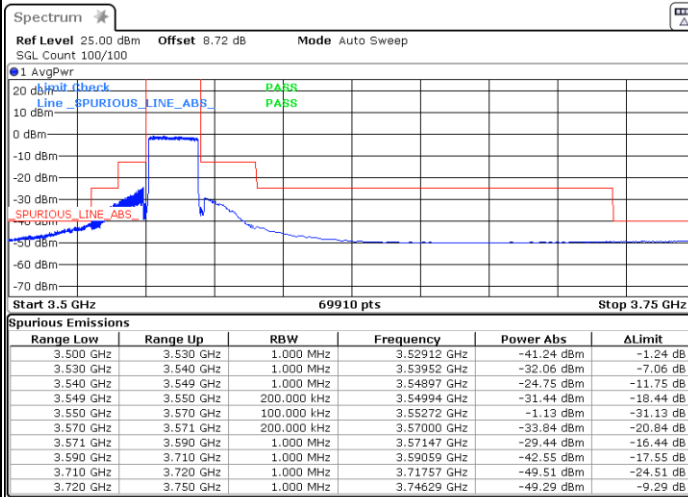
Date: 24.JUN.2022 02:41:47



Date: 24.JUN.2022 03:00:34

Lowest Channel / Full RB

N/A



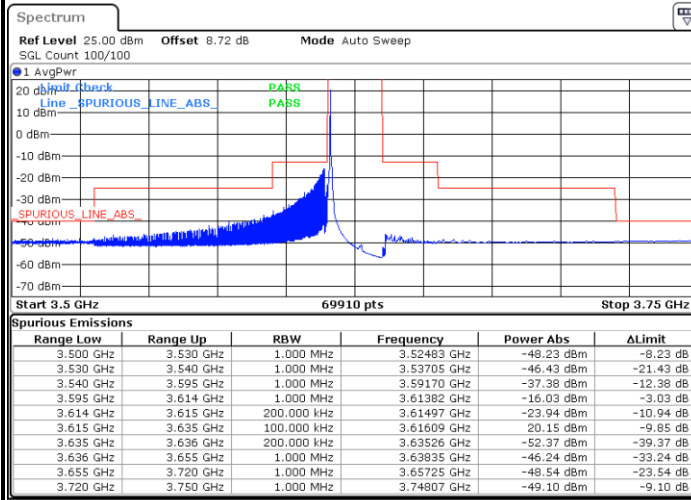
Date: 24.JUN.2022 13:26:59



LTE Band 48 / 20MHz

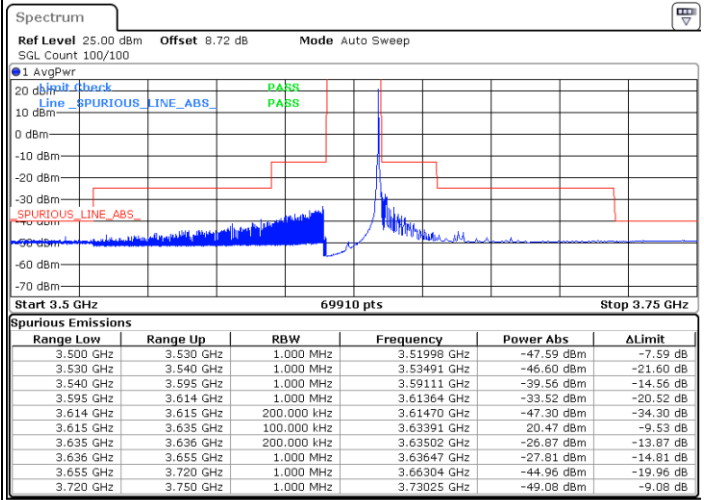
16QAM

Middle Channel / 1RB0



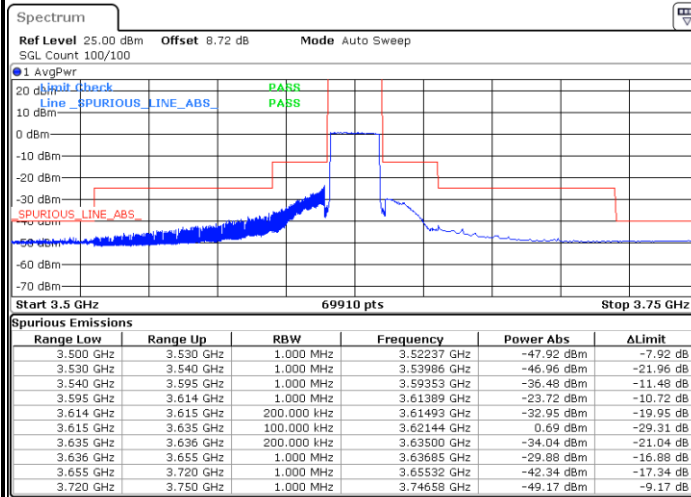
Date: 24.JUN.2022 02:48:01

Middle Channel / 1RBmax



Date: 24.JUN.2022 03:06:48

Middle Channel / Full RB



Date: 24.JUN.2022 03:25:25

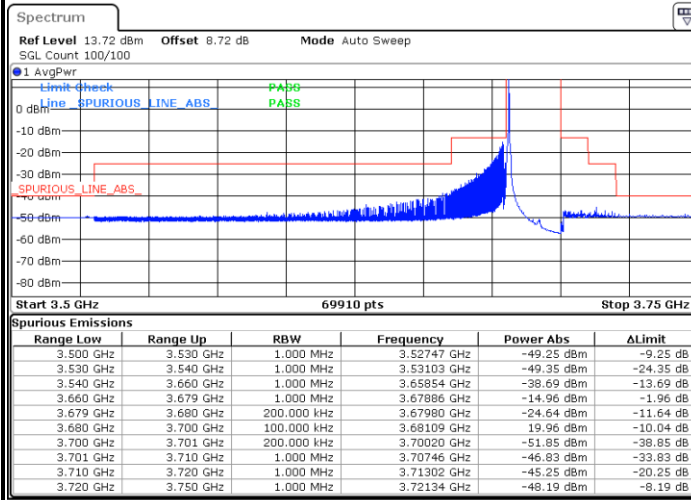
N/A



LTE Band 48 / 20MHz

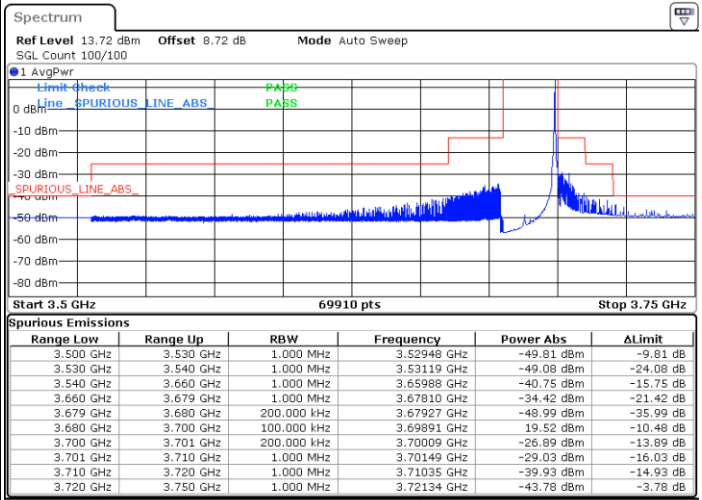
16QAM

Highest Channel / 1RB0



Date: 24.JUN.2022 02:54:16

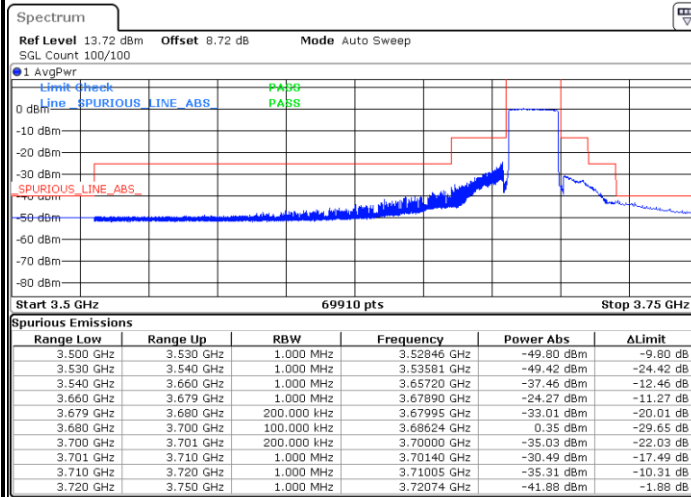
Highest Channel / 1RBmax



Date: 24.JUN.2022 03:13:00

Highest Channel / Full RB

N/A



Date: 24.JUN.2022 03:19:11

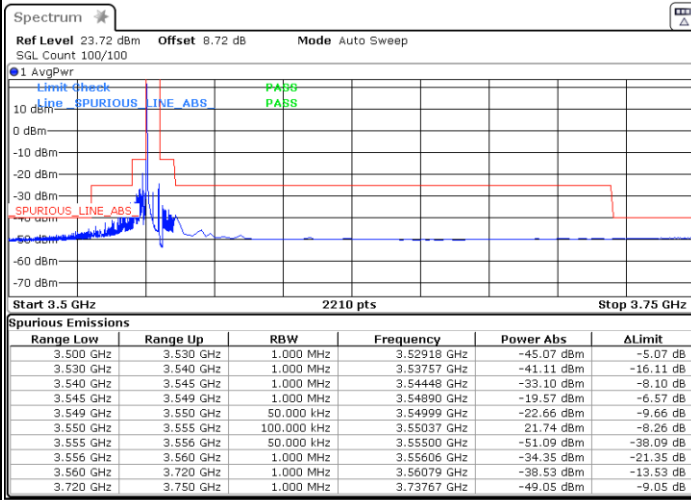


LTE Band 48 / 5MHz

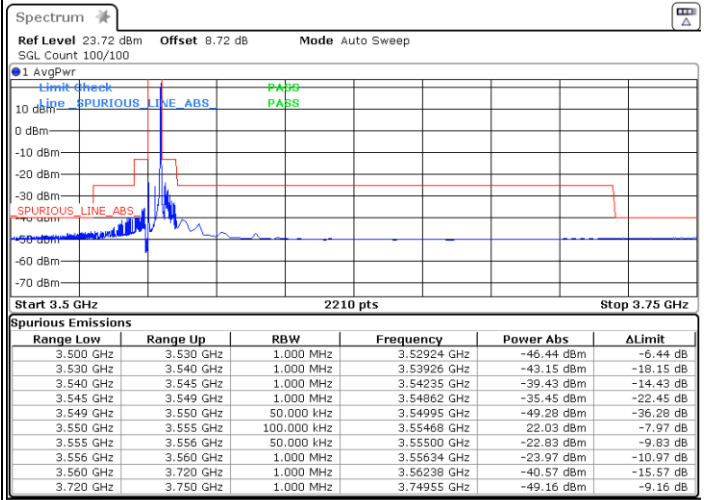
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



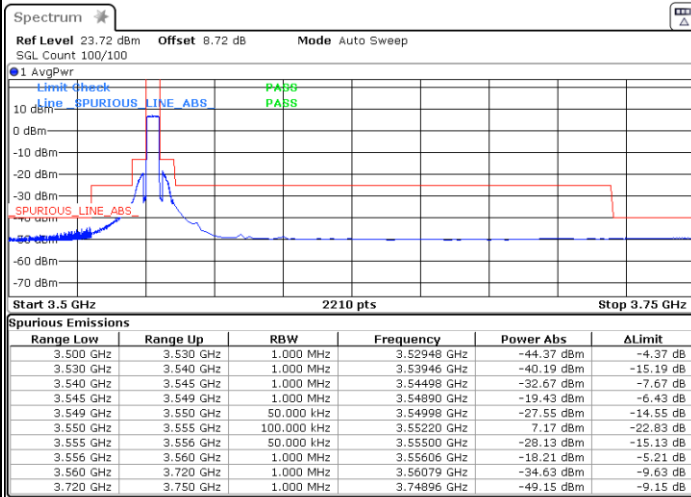
Date: 23.JUN.2022 23:50:09



Date: 23.JUN.2022 23:22:46

Lowest Channel / Full RB

N/A



Date: 23.JUN.2022 23:06:04

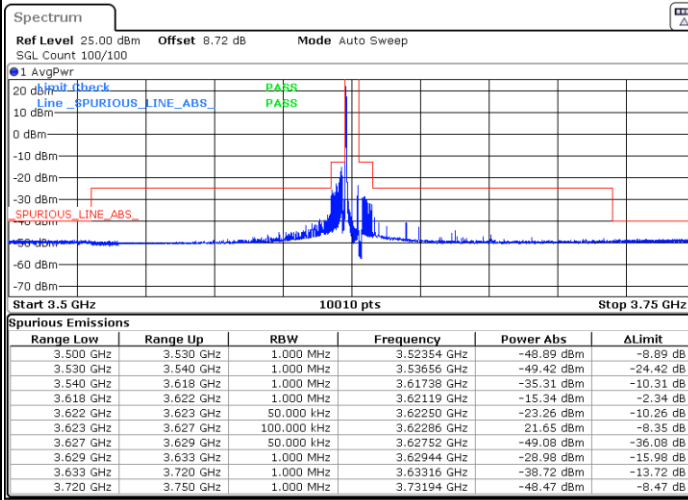


LTE Band 48 / 5MHz

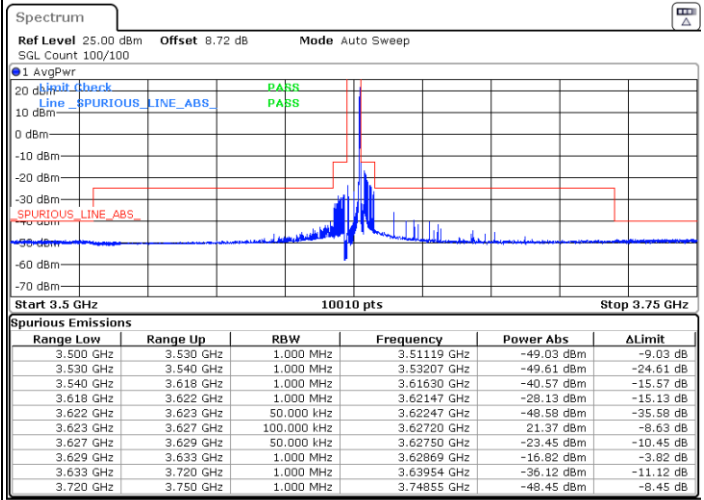
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



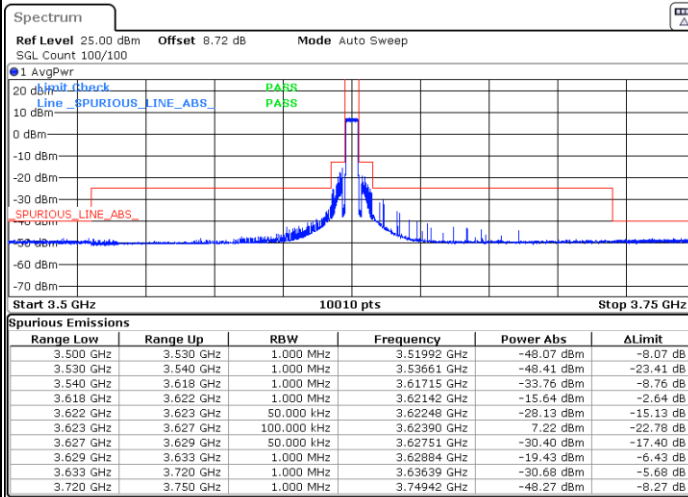
Date: 23.JUN.2022 22:47:01



Date: 23.JUN.2022 23:24:28

Middle Channel / Full RB

N/A



Date: 23.JUN.2022 23:08:27

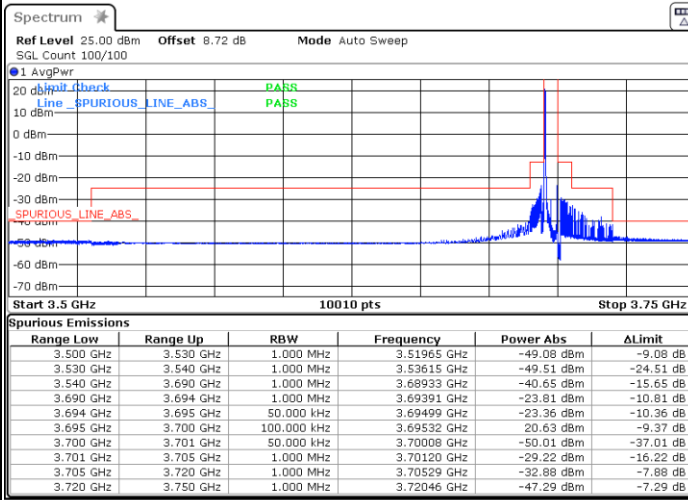


LTE Band 48 / 5MHz

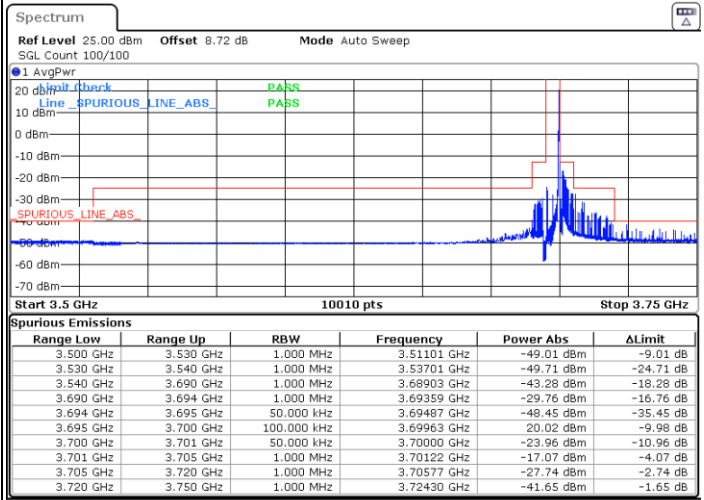
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



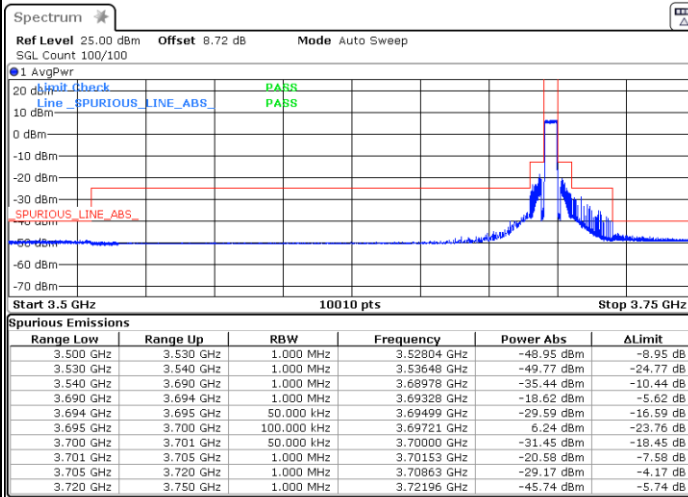
Date: 23.JUN.2022 22:58:56



Date: 23.JUN.2022 23:58:26

Highest Channel / Full RB

N/A



Date: 23.JUN.2022 23:17:39

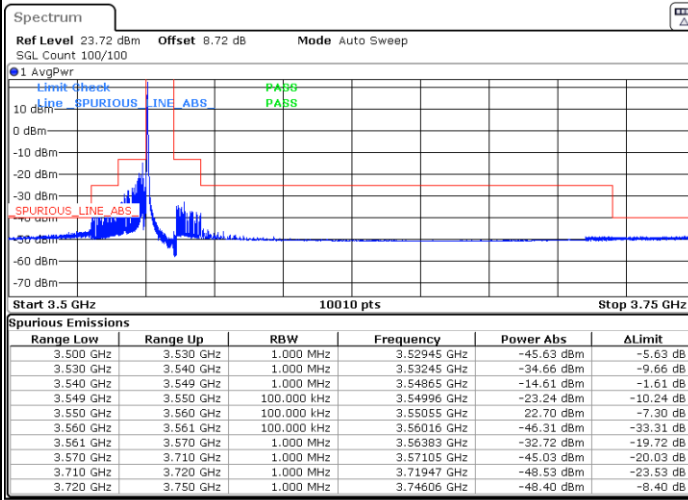


LTE Band 48 / 10MHz

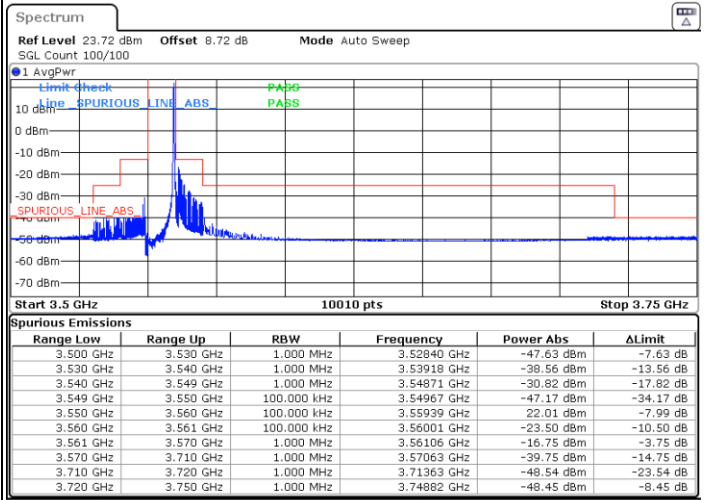
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



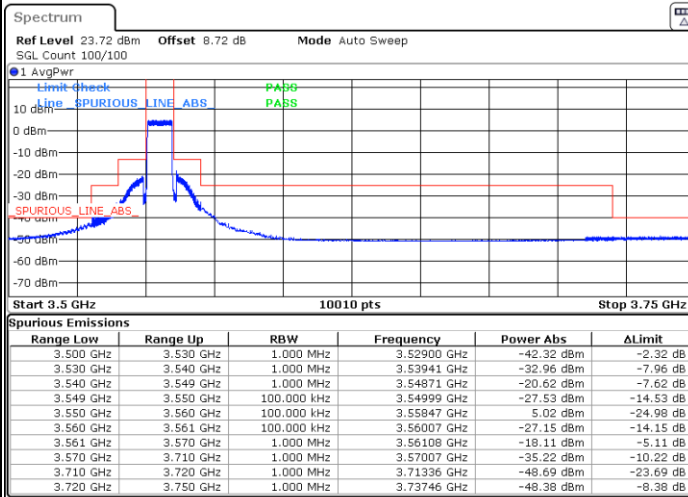
Date: 24.JUN.2022 00:10:41



Date: 24.JUN.2022 01:34:55

Lowest Channel / Full RB

N/A



Date: 24.JUN.2022 01:41:43

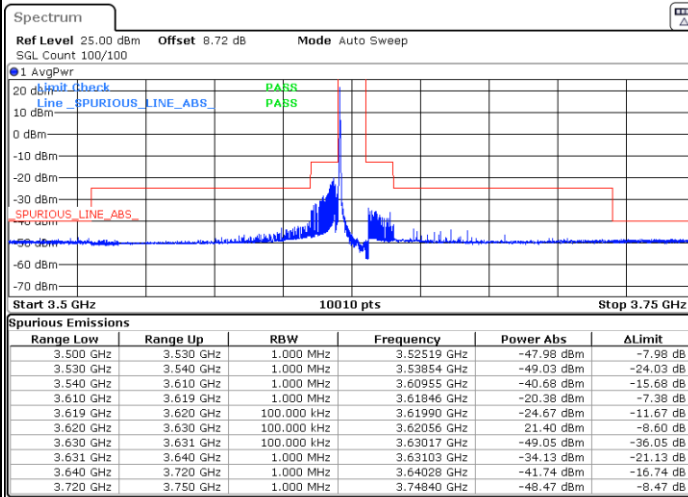


LTE Band 48 / 10MHz

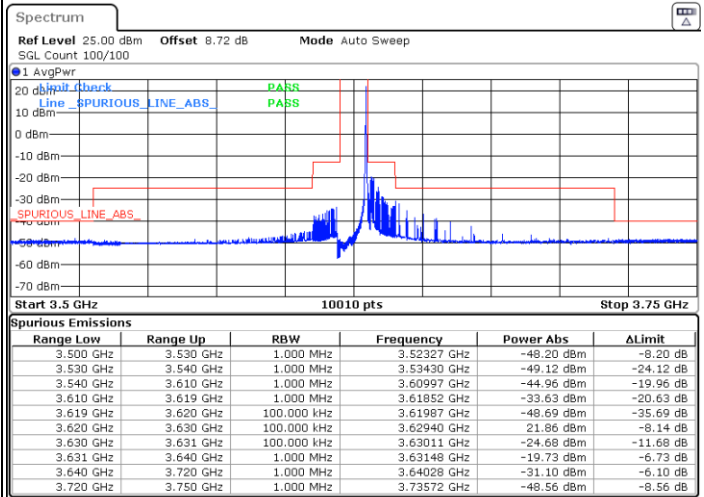
64QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



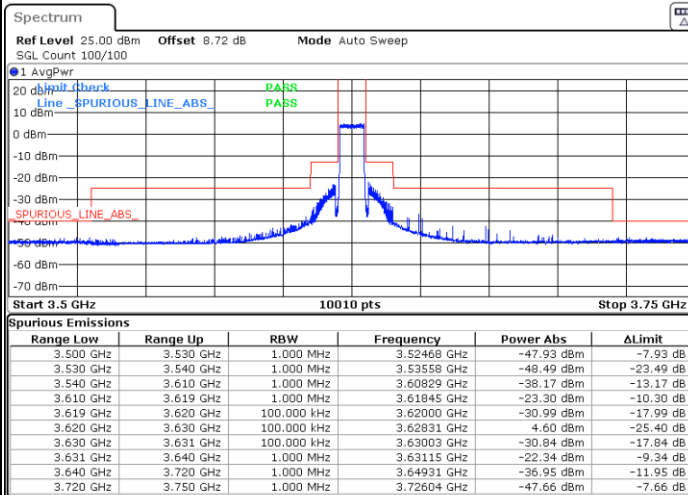
Date: 24.JUN.2022 00:19:12



Date: 24.JUN.2022 01:33:04

Middle Channel / Full RB

N/A



Date: 24.JUN.2022 01:26:00

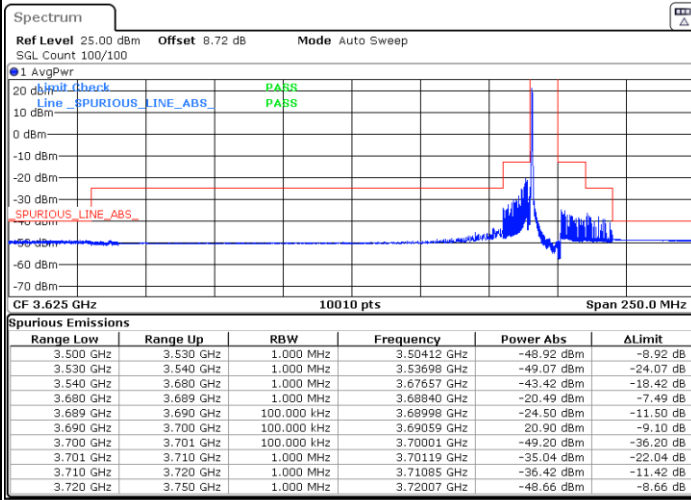


LTE Band 48 / 10MHz

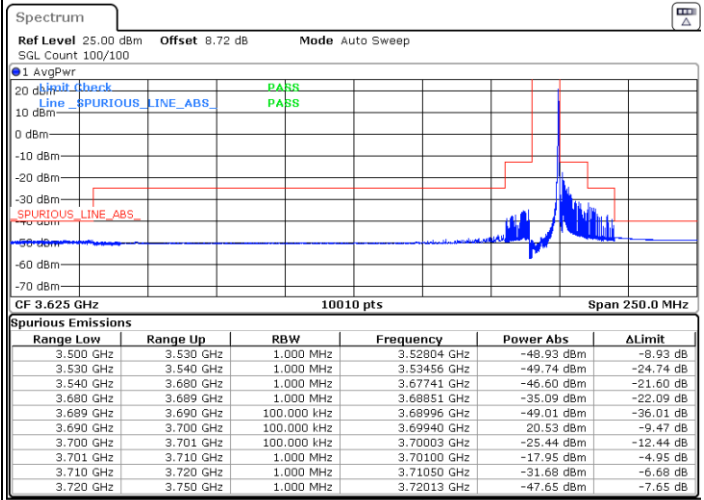
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



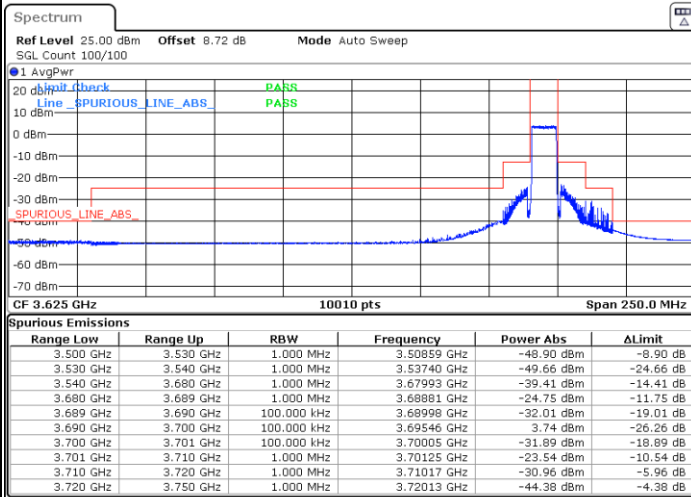
Date: 24.JUN.2022 01:05:04



Date: 24.JUN.2022 01:08:38

Highest Channel / Full RB

N/A



Date: 24.JUN.2022 01:24:47

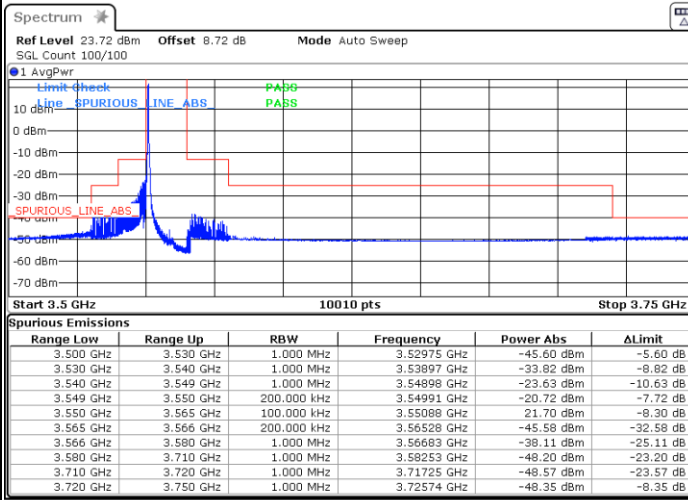


LTE Band 48 / 15MHz

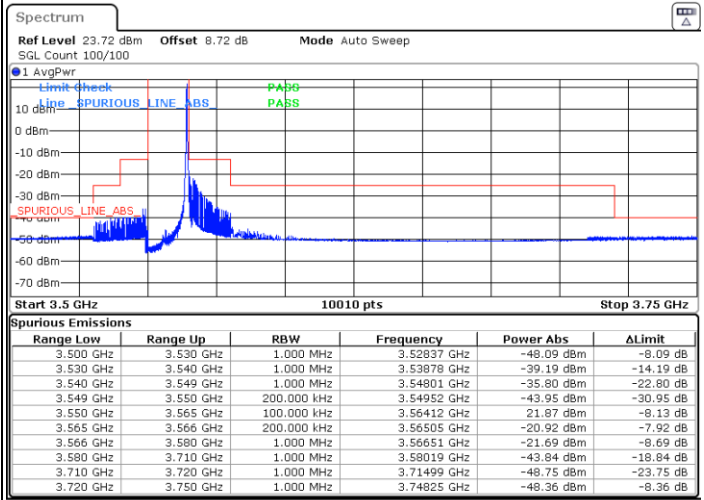
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



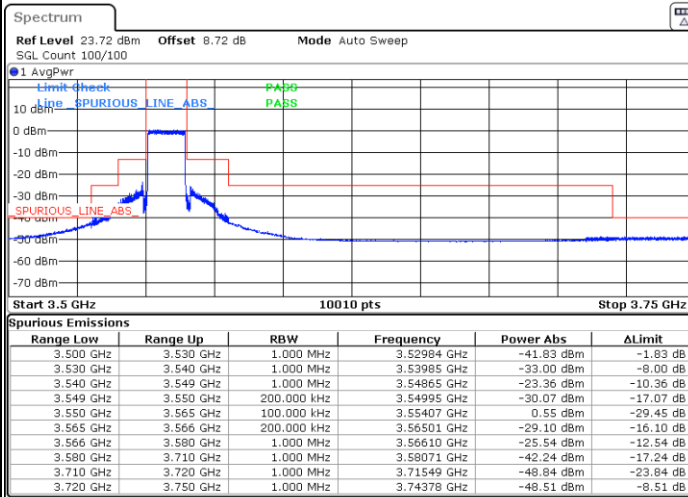
Date: 24.JUN.2022 02:02:06



Date: 24.JUN.2022 02:09:31

Lowest Channel / Full RB

N/A



Date: 24.JUN.2022 13:41:16

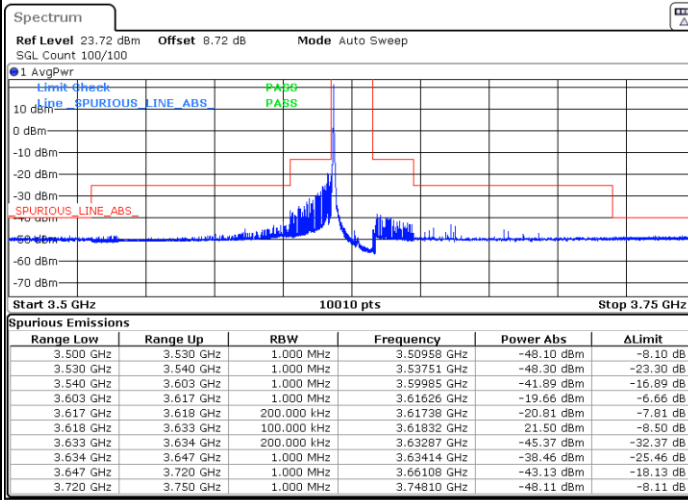


LTE Band 48 / 15MHz

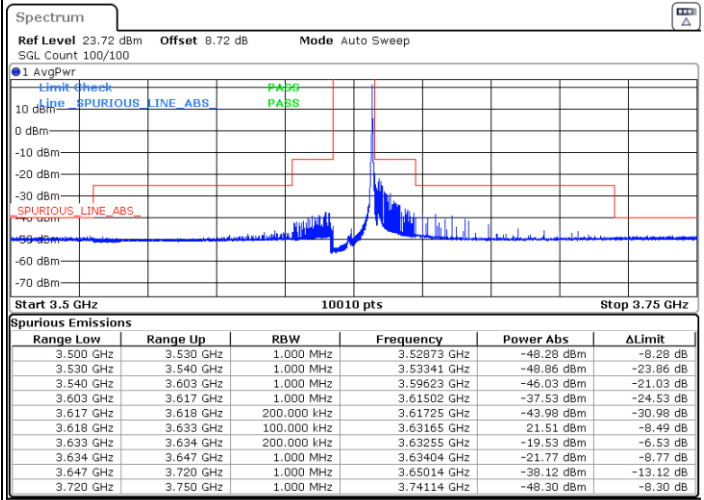
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



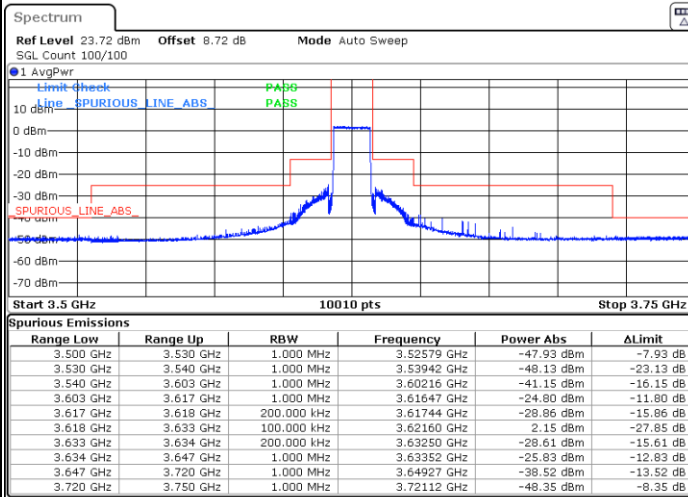
Date: 24.JUN.2022 02:17:11



Date: 24.JUN.2022 02:11:28

Middle Channel / Full RB

N/A



Date: 24.JUN.2022 02:21:19

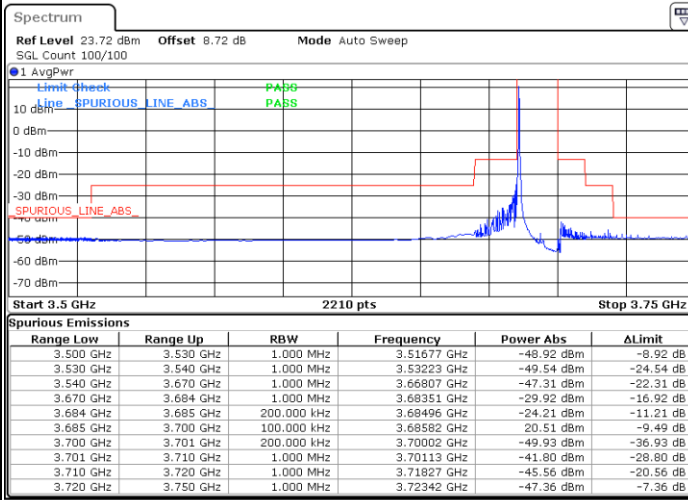


LTE Band 48 / 15MHz

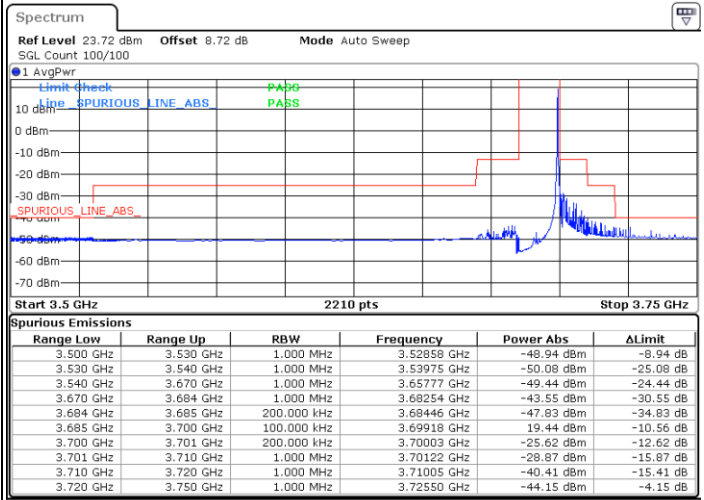
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



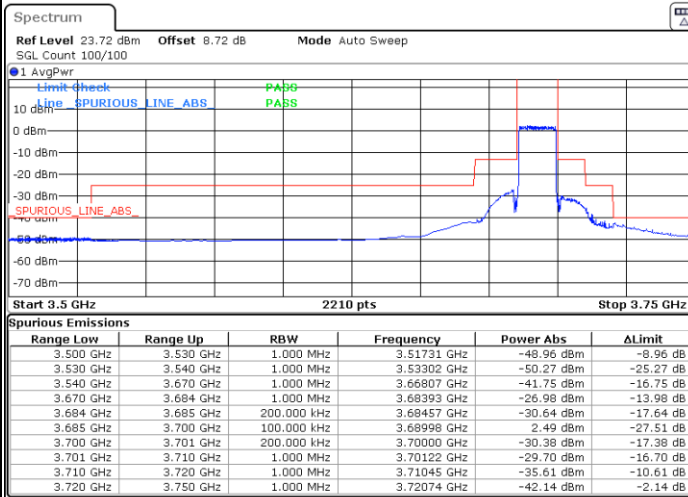
Date: 24.JUN.2022 02:31:50



Date: 24.JUN.2022 02:34:21

Highest Channel / Full RB

N/A



Date: 24.JUN.2022 02:23:56

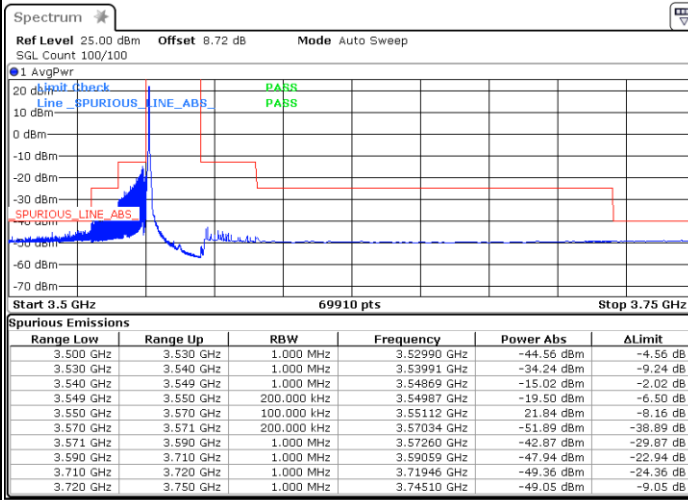


LTE Band 48 / 20MHz

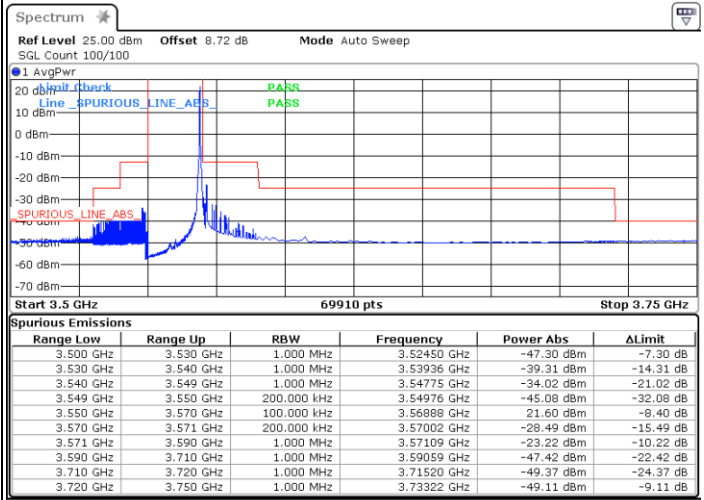
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



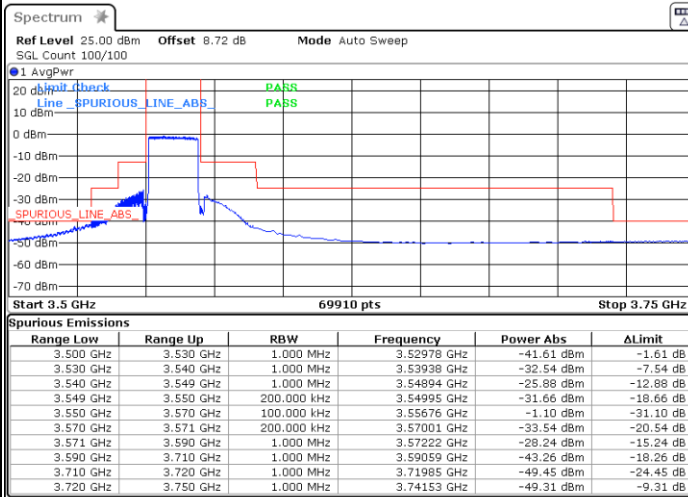
Date: 24.JUN.2022 03:37:00



Date: 24.JUN.2022 02:58:28

Lowest Channel / Full RB

N/A



Date: 24.JUN.2022 13:28:53

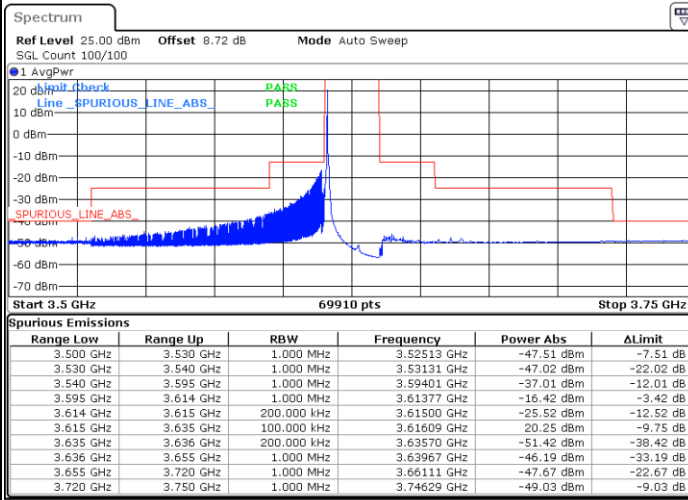


LTE Band 48 / 20MHz

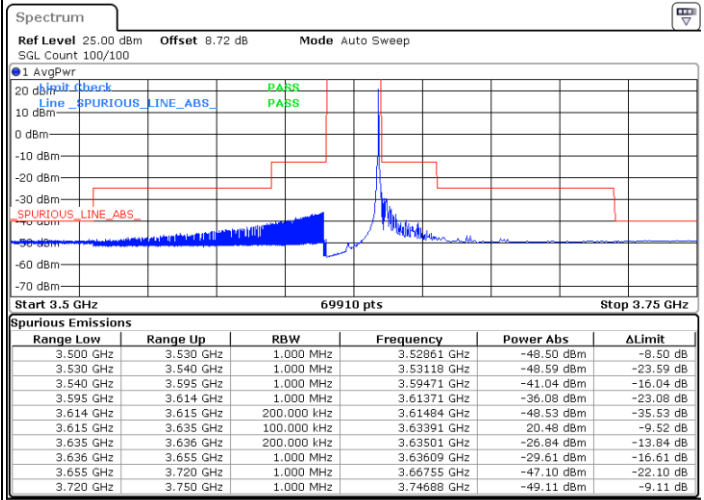
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



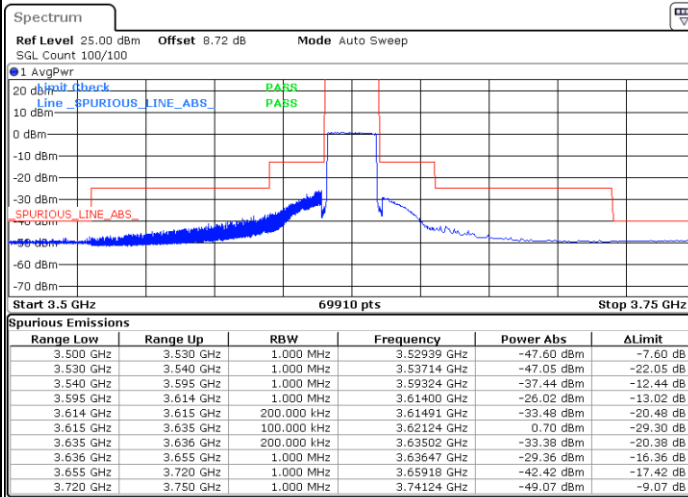
Date: 24.JUN.2022 02:50:04



Date: 24.JUN.2022 03:08:51

Middle Channel / Full RB

N/A



Date: 24.JUN.2022 03:26:53

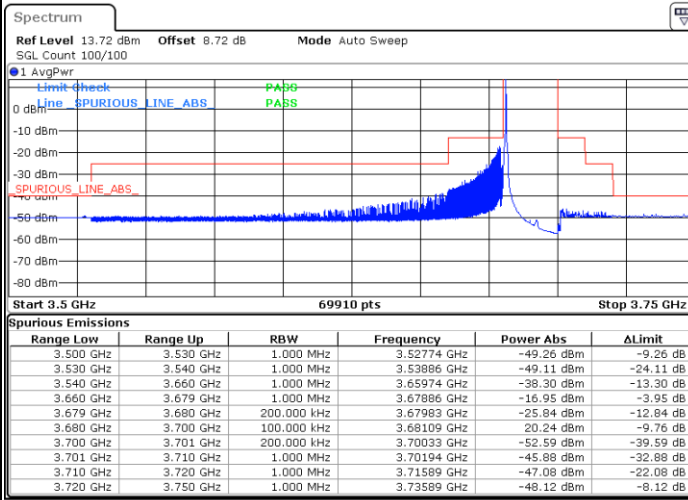


LTE Band 48 / 20MHz

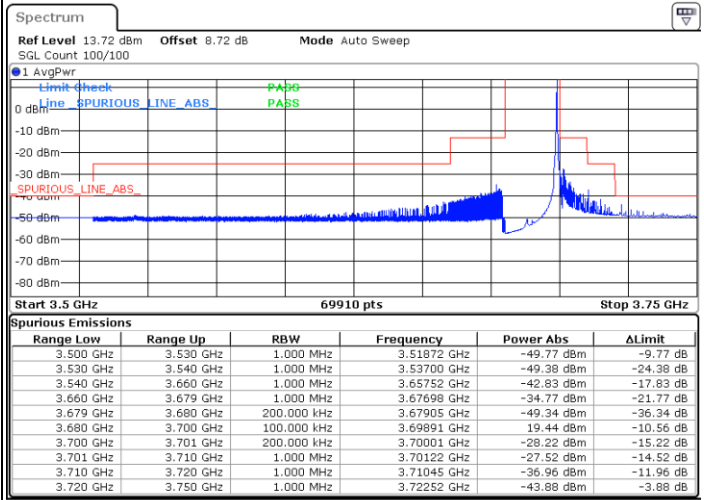
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



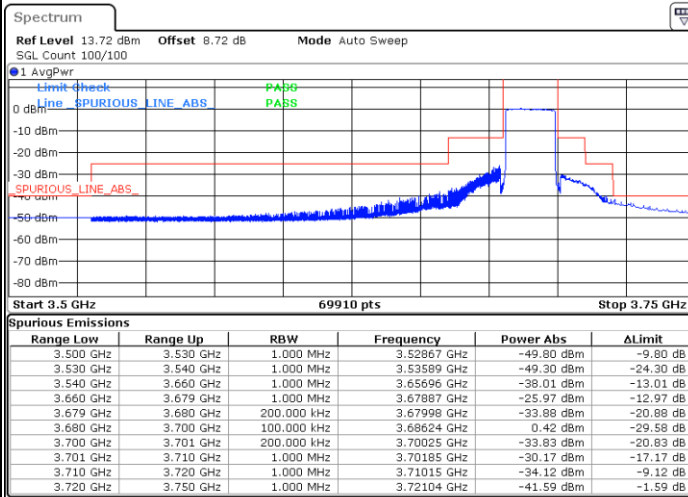
Date: 24.JUN.2022 02:52:09



Date: 24.JUN.2022 03:10:56

Highest Channel / Full RB

N/A



Date: 24.JUN.2022 03:20:55

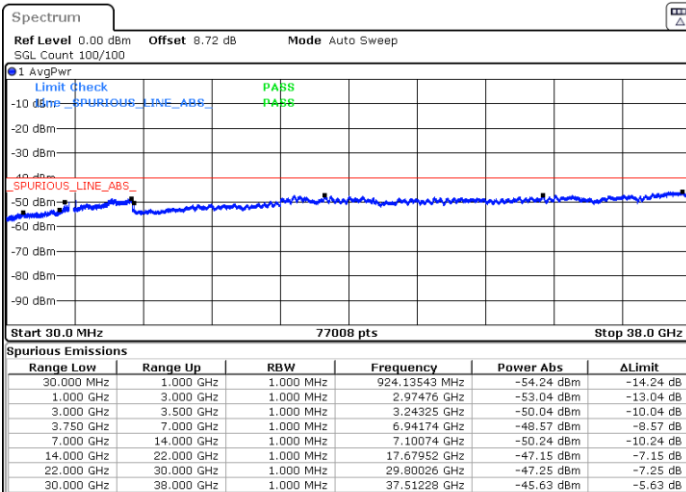
**Conducted Spurious Emission**

LTE Band 48 / 5MHz

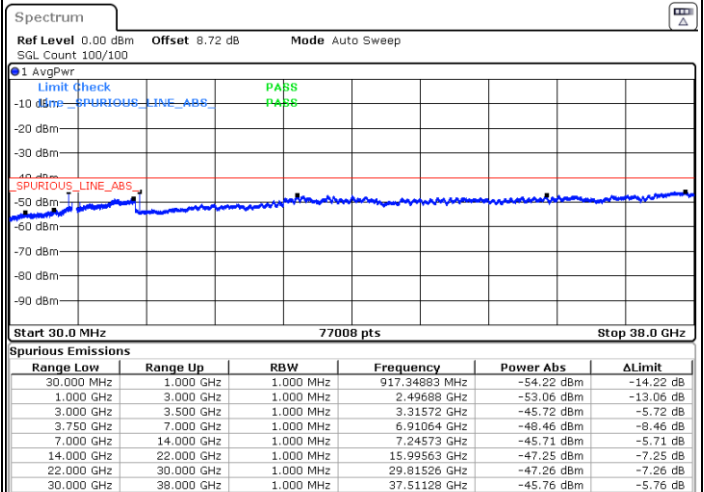
QPSK / 1RB0

Lowest Channel

Middle Channel

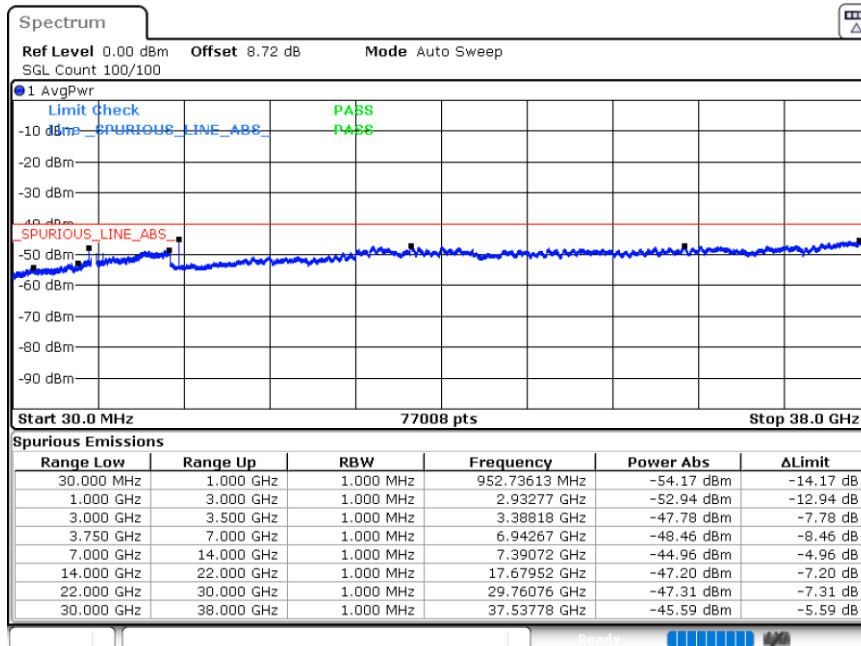


Date: 26.JUN.2022 08:09:27



Date: 26.JUN.2022 08:11:07

Highest Channel



Date: 26.JUN.2022 08:12:47

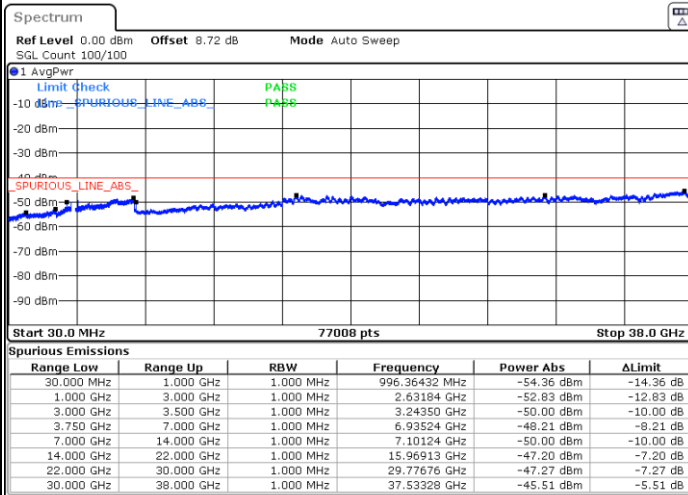


LTE Band 48 / 10MHz

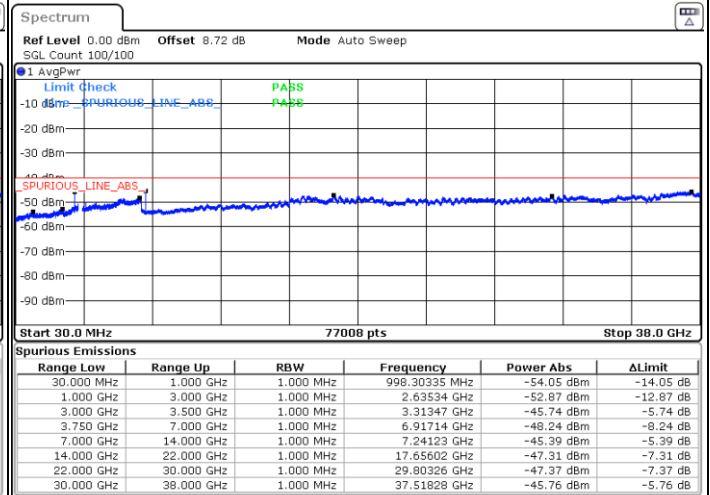
QPSK / 1RB0

Lowest Channel

Middle Channel

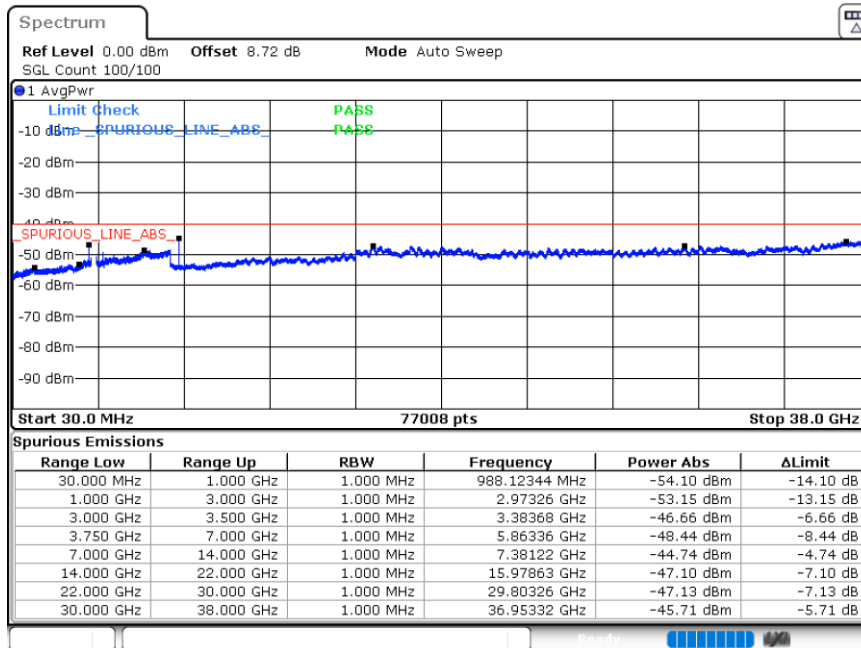


Date: 26.JUN.2022 08:14:27



Date: 26.JUN.2022 08:16:07

Highest Channel



Date: 26.JUN.2022 08:17:47

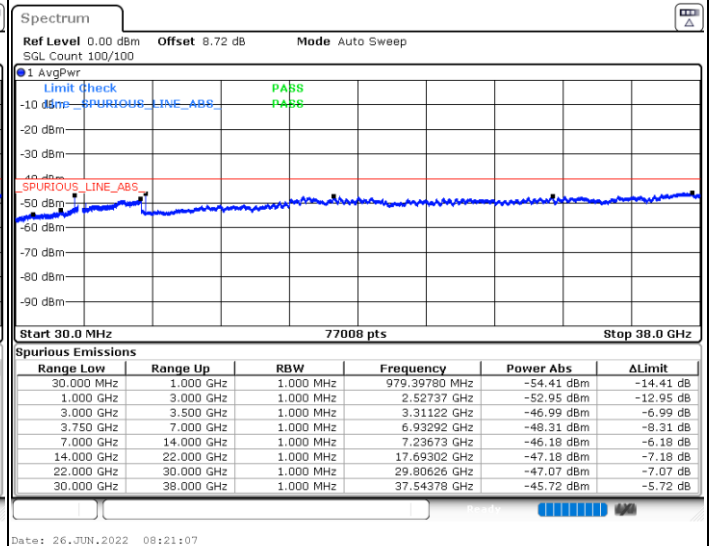
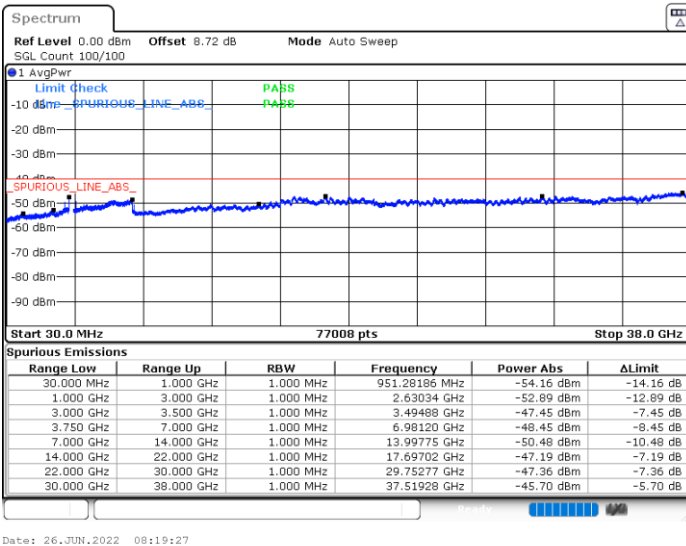


LTE Band 48 / 15MHz

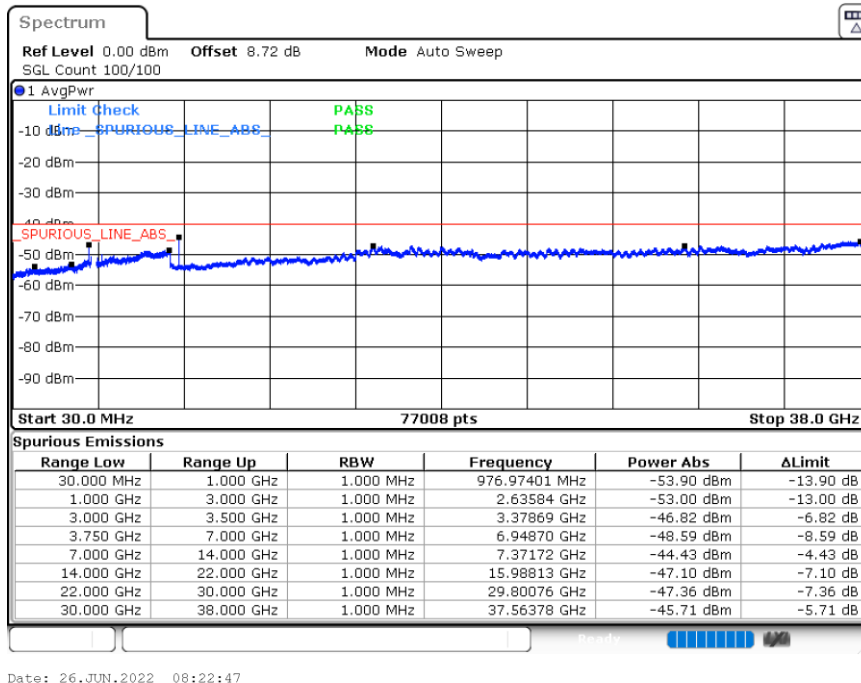
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



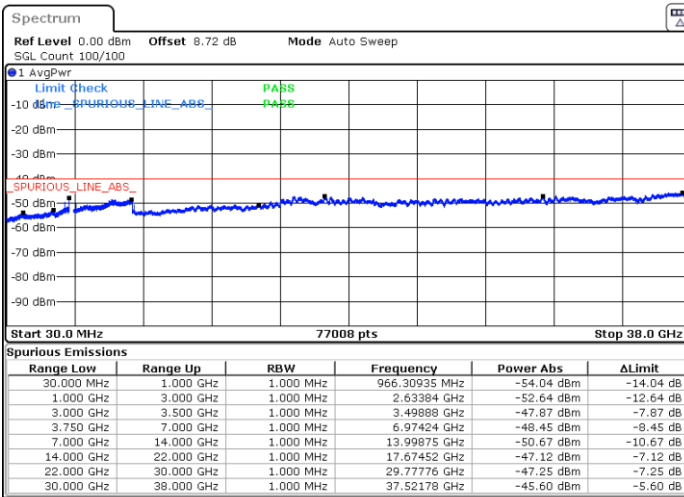


LTE Band 48 / 20MHz

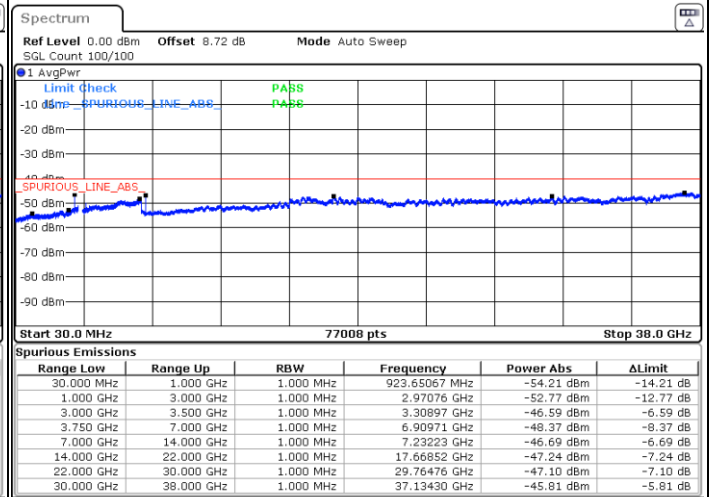
QPSK / 1RB0

Lowest Channel

Middle Channel

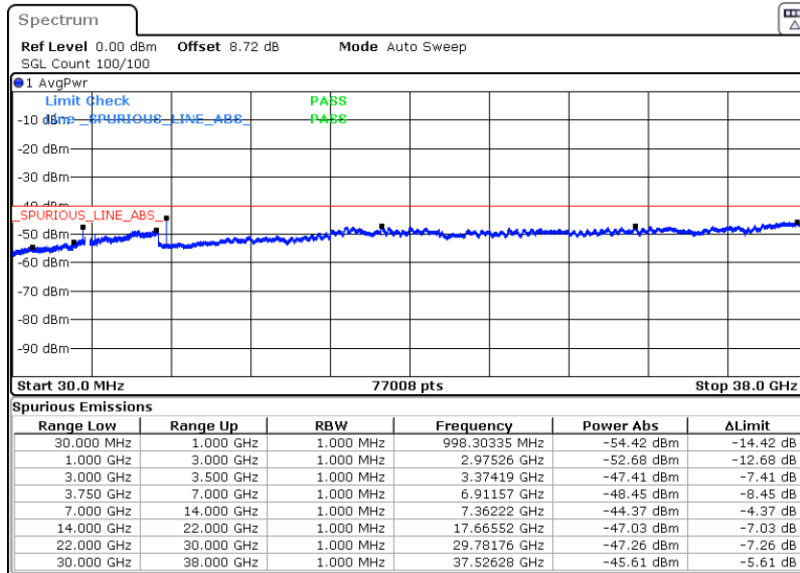


Date: 26.JUN.2022 08:24:27



Date: 26.JUN.2022 08:26:09

Highest Channel



Date: 26.JUN.2022 08:27:49

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	0.0011	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0028	

Note:

1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.55V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 48C

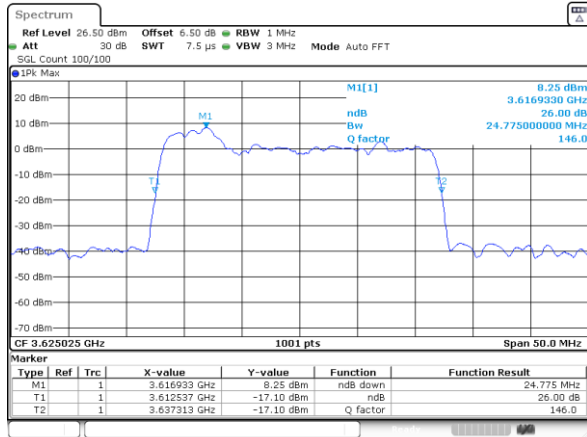
26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)	
QPSK	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	24.78	24.88
QPSK	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	29.91	29.79
QPSK	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	34.90	34.97
QPSK	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	24.93	24.98
QPSK	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	30.03	30.03
QPSK	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	34.97	34.97
QPSK	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.96	39.96



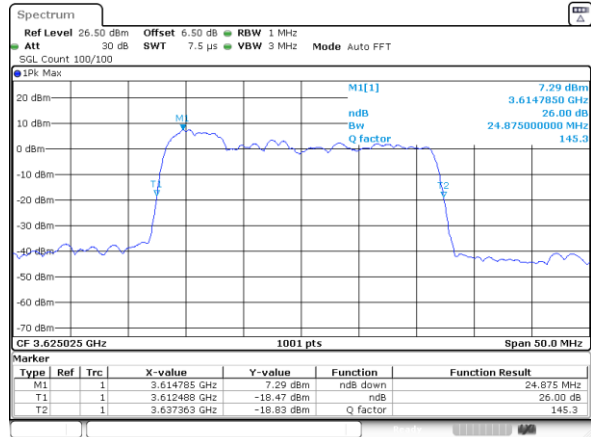
LTE Band 48C

Middle Channel / 5MHz+20MHz/QPSK



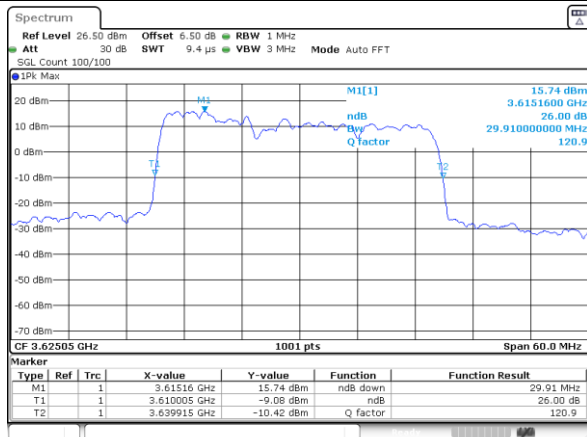
Date: 25 JUN 2022 02:15:01

Middle Channel / 5MHz+20MHz/16QAM



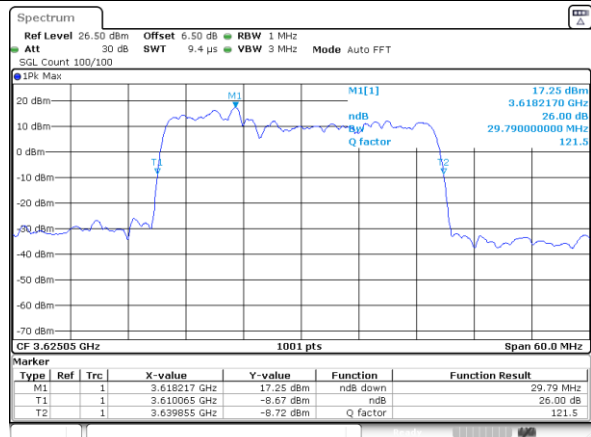
Date: 25 JUN 2022 02:15:28

Middle Channel / 10MHz+20MHz/QPSK



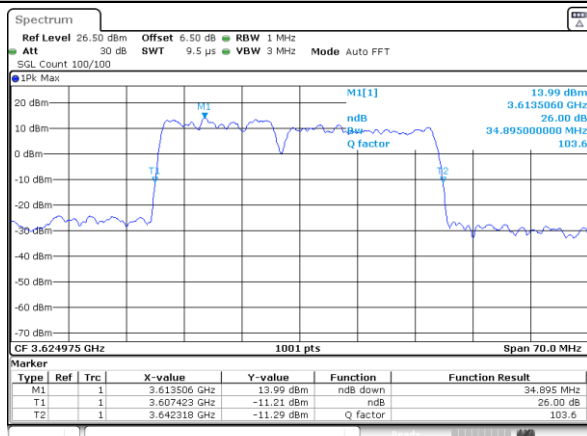
Date: 25 JUN 2022 02:18:12

Middle Channel / 10MHz+20MHz/16QAM



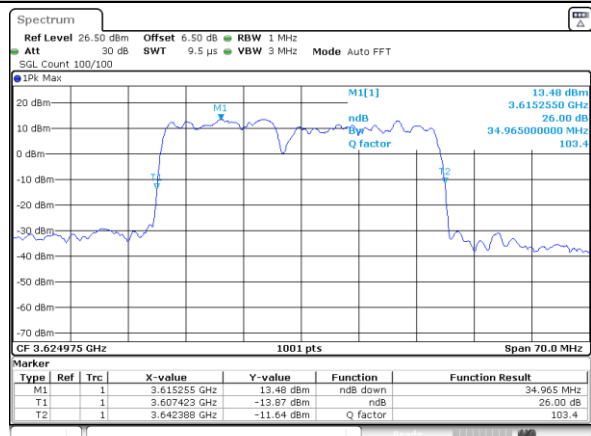
Date: 25 JUN 2022 02:18:39

Middle Channel / 15MHz+20MHz/QPSK



Date: 25 JUN 2022 02:20:16

Middle Channel / 15MHz+20MHz/16QAM

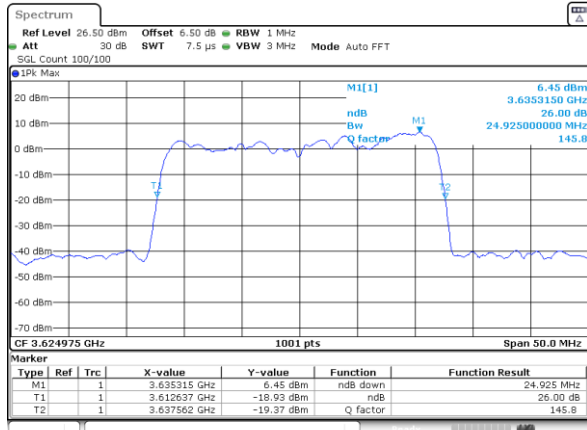


Date: 25 JUN 2022 02:20:43

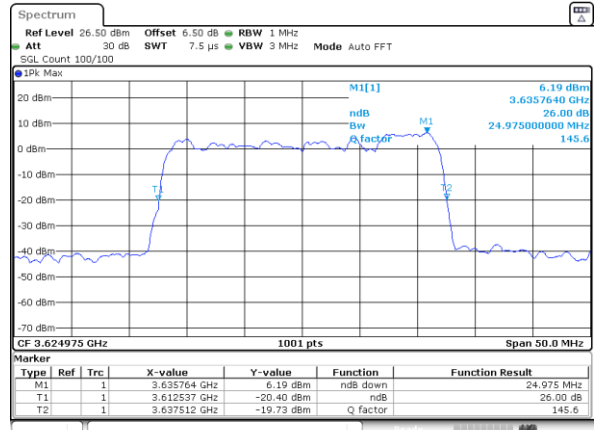


LTE Band 48C

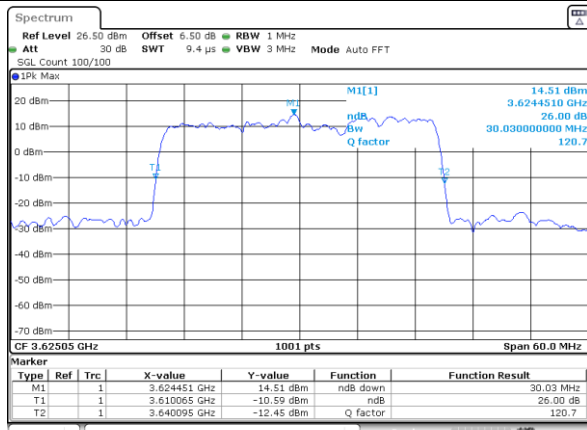
Middle Channel / 20MHz+5MHz/QPSK



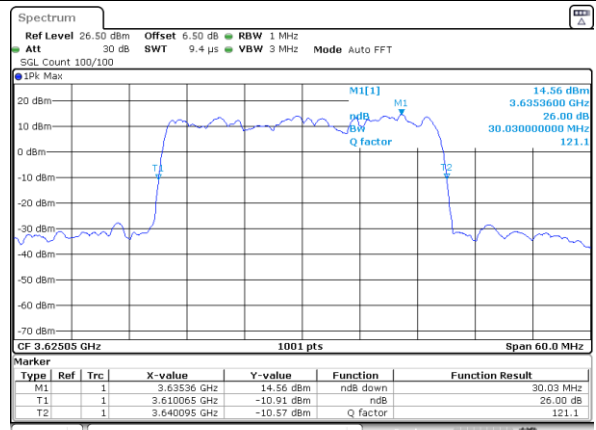
Middle Channel / 20MHz+5MHz/16QAM



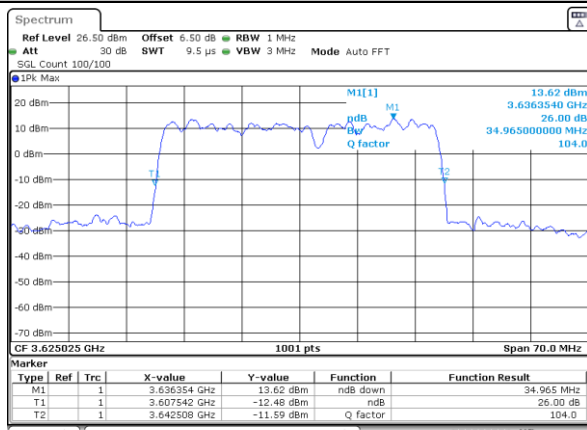
Middle Channel / 20MHz+10MHz/QPSK



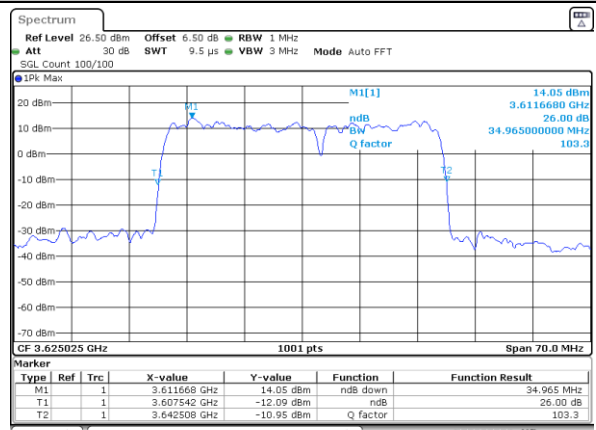
Middle Channel / 20MHz+10MHz/16QAM



Middle Channel / 20MHz+15MHz/QPSK



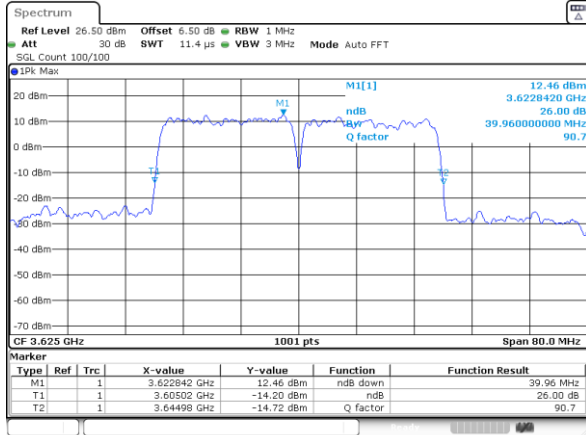
Middle Channel / 20MHz+15MHz/16QAM





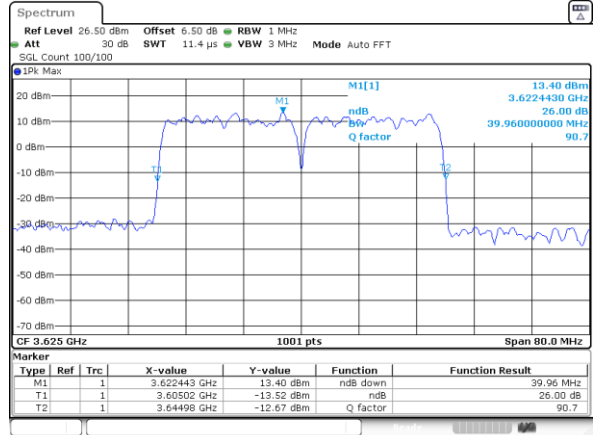
LTE Band 48C

Middle Channel / 20MHz+20MHz/QPSK



Date: 25 JUN 2022 02:27:04

Middle Channel / 20MHz+20MHz/16QAM



Date: 25 JUN 2022 02:27:31

Occupied Bandwidth

Mode	LTE Band 48C : OBW(MHz)	
QPSK	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	23.38	23.08
QPSK	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	28.23	28.05
QPSK	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	32.80	32.87
QPSK	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	23.33	23.28
QPSK	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	28.17	27.87
QPSK	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	33.01	32.87
QPSK	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.64	37.48