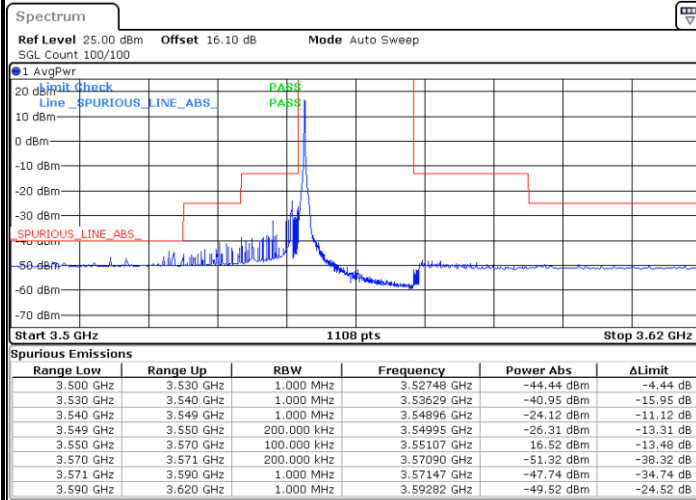




LTE Band 48 / 20MHz

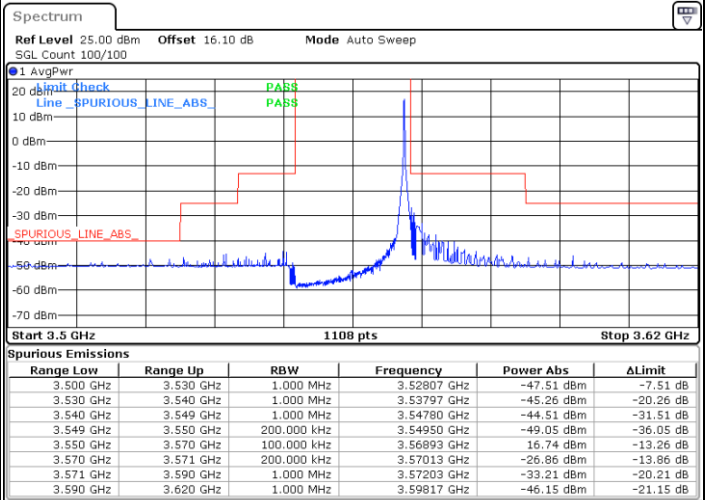
64QAM

Lowest Channel / 1RB0



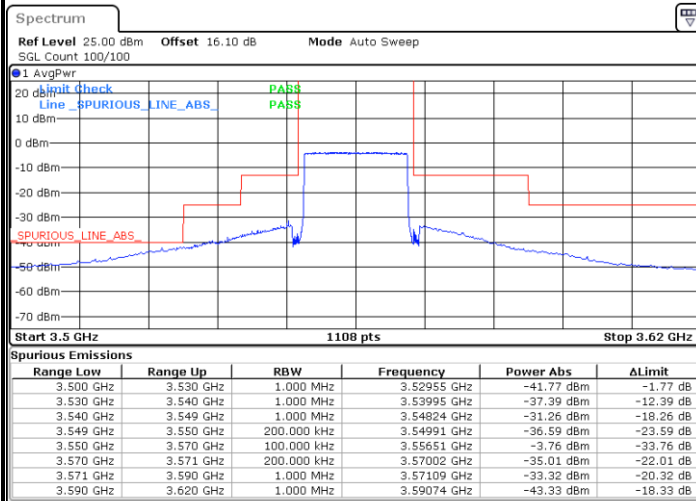
Date: 17.MAY.2022 08:27:15

Lowest Channel / 1RBmax



Date: 17.MAY.2022 08:34:25

Lowest Channel / FullIRB



Date: 17.MAY.2022 08:20:06

N/A

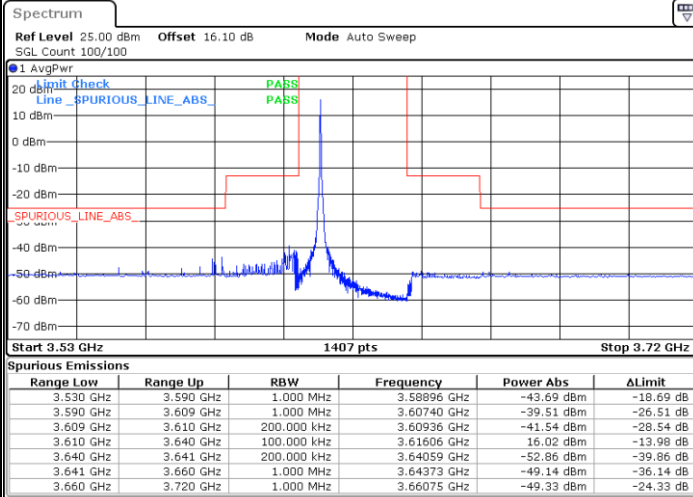


LTE Band 48 / 20MHz

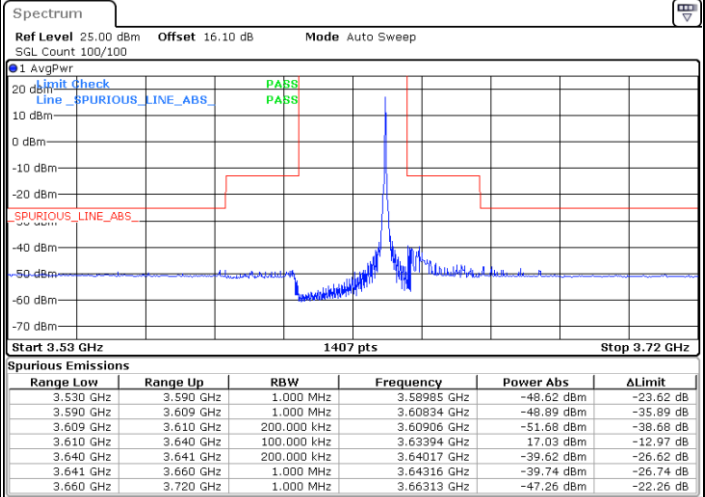
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



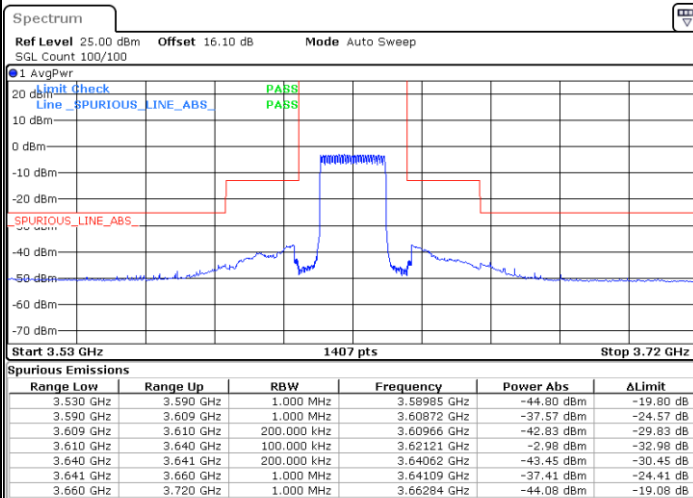
Date: 17.MAY.2022 08:31:14



Date: 17.MAY.2022 08:38:23

Middle Channel / FullRB

N/A



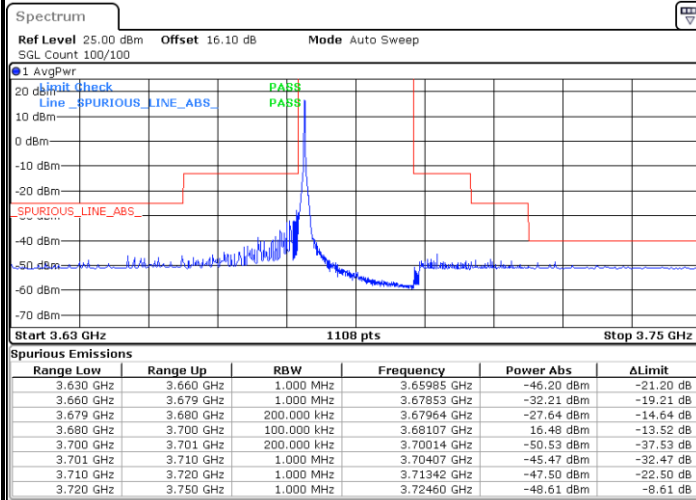
Date: 17.MAY.2022 08:24:05



LTE Band 48 / 20MHz

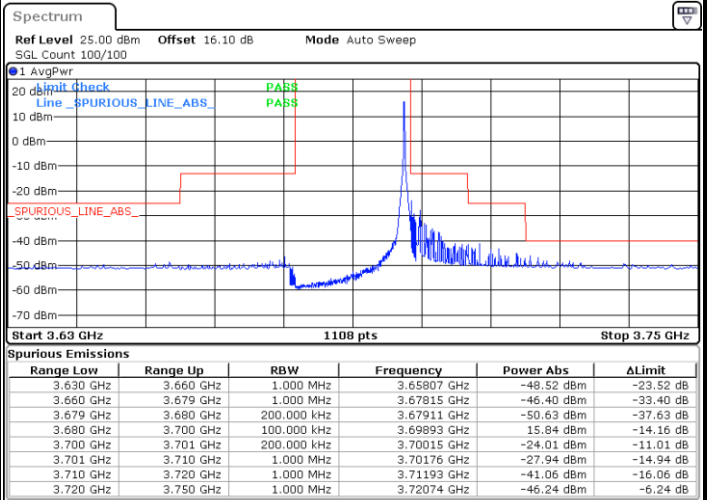
64QAM

Highest Channel / 1RB0



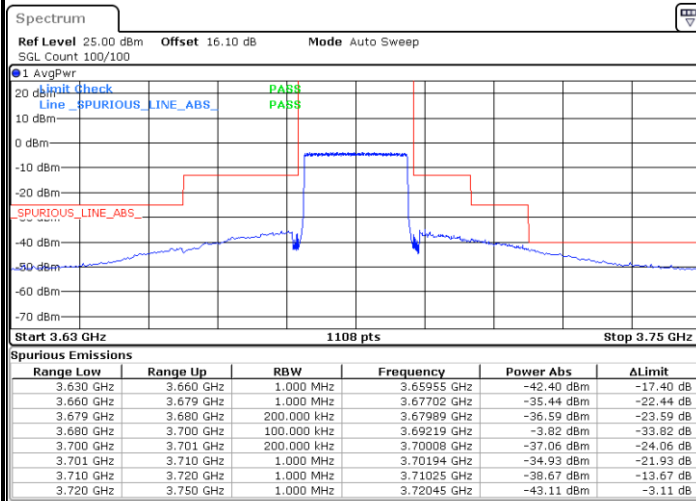
Date: 17.MAY.2022 08:32:01

Highest Channel / 1RBmax



Date: 17.MAY.2022 08:39:10

Highest Channel / FullIRB



Date: 17.MAY.2022 08:24:52

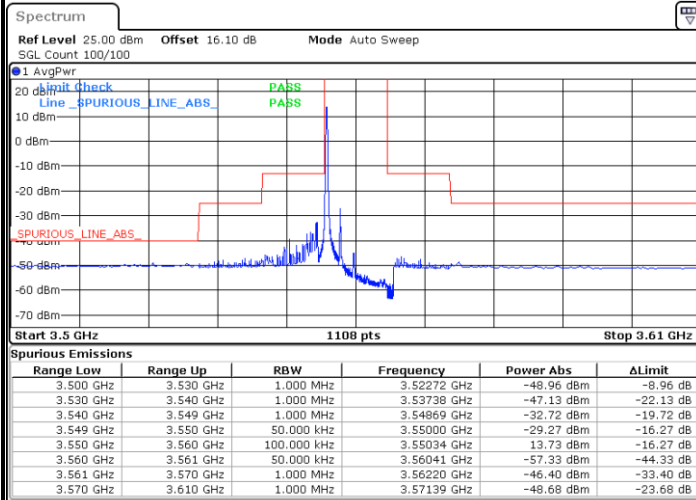
N/A



LTE Band 48 / 5MHz

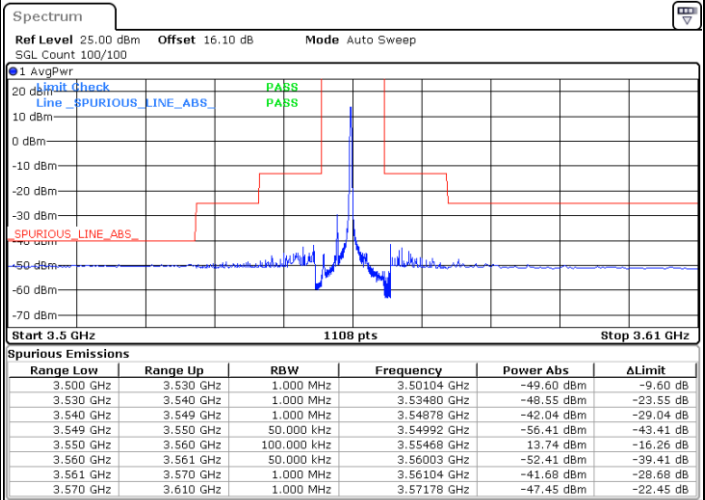
256QAM

Lowest Channel / 1RB0



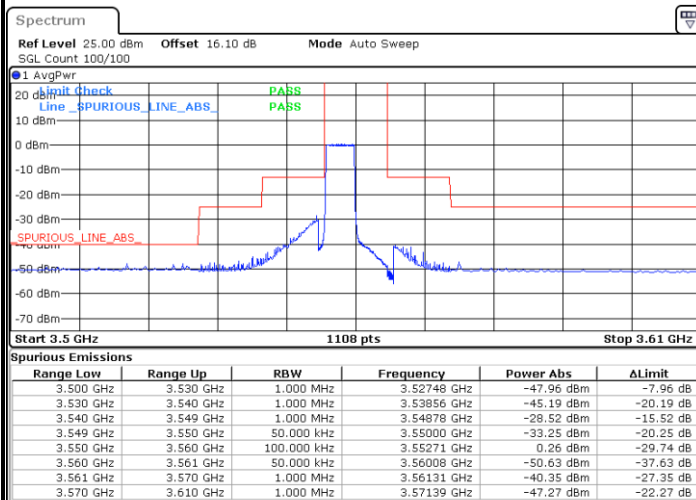
Date: 17.MAY.2022 08:56:07

Lowest Channel / 1RBmax



Date: 17.MAY.2022 09:04:52

Lowest Channel / FullIRB



Date: 17.MAY.2022 09:01:03

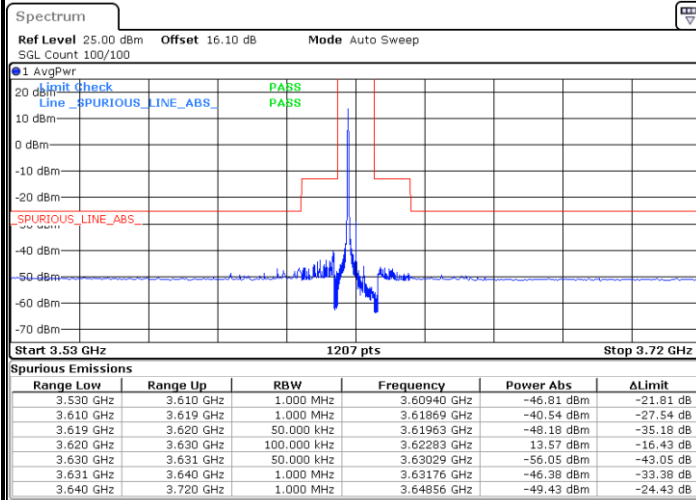
N/A



LTE Band 48 / 5MHz

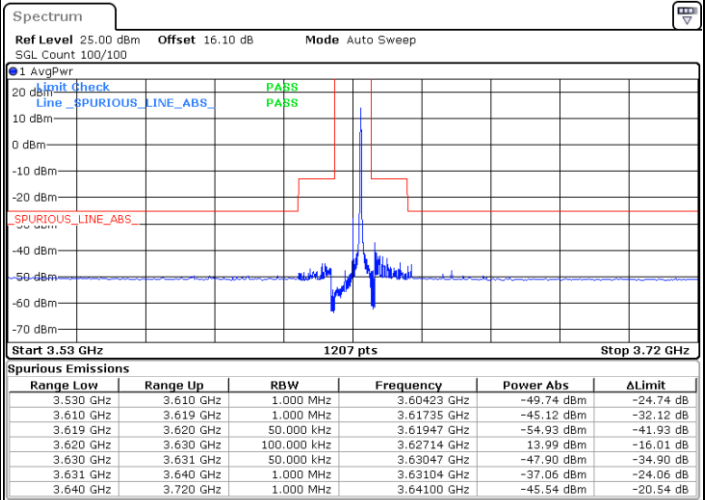
256QAM

Middle Channel / 1RB0



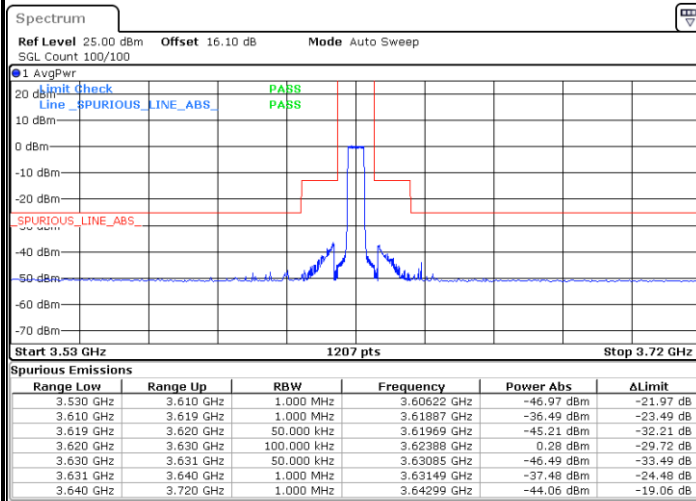
Date: 17.MAY.2022 08:58:43

Middle Channel / 1RBmax



Date: 17.MAY.2022 09:06:21

Middle Channel / FullRB



Date: 17.MAY.2022 09:02:32

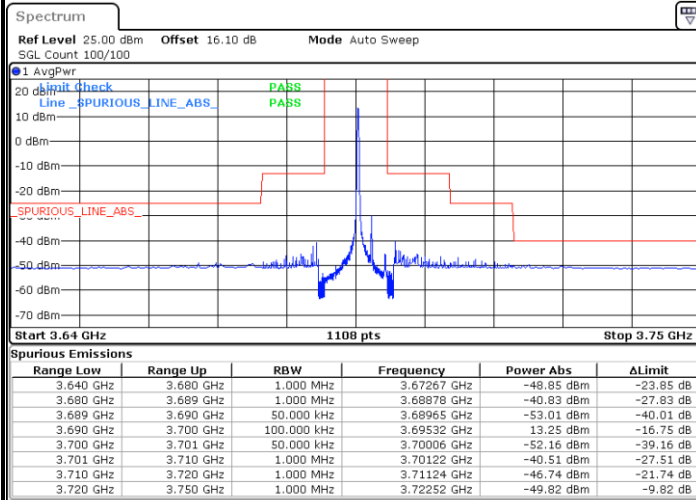
N/A



LTE Band 48 / 5MHz

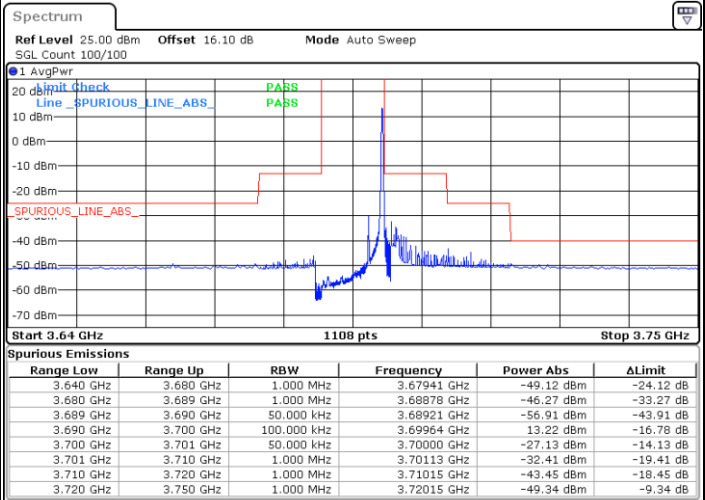
256QAM

Highest Channel / 1RB0



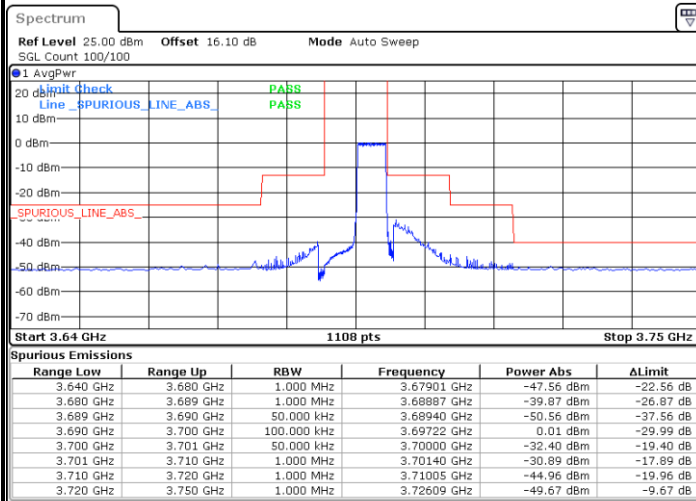
Date: 17.MAY.2022 09:00:12

Highest Channel / 1RBmax



Date: 17.MAY.2022 09:07:50

Highest Channel / FullIRB



Date: 17.MAY.2022 09:04:01

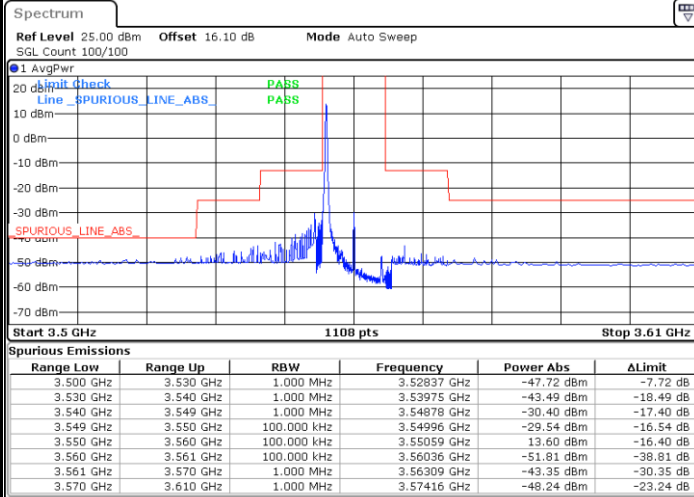
N/A



LTE Band 48 / 10MHz

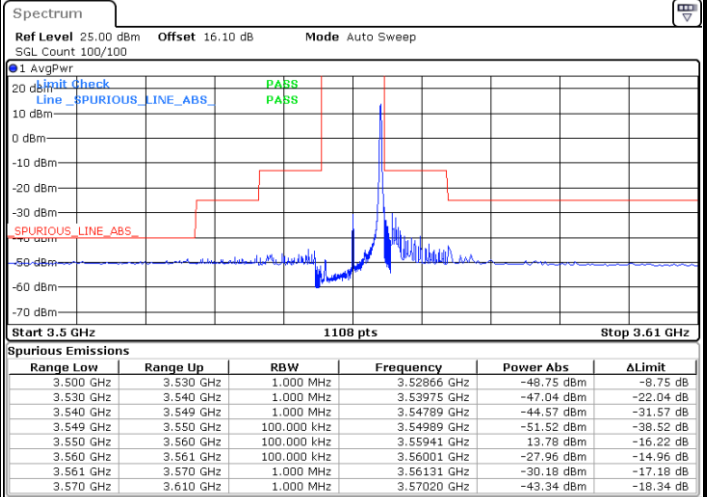
256QAM

Lowest Channel / 1RB0



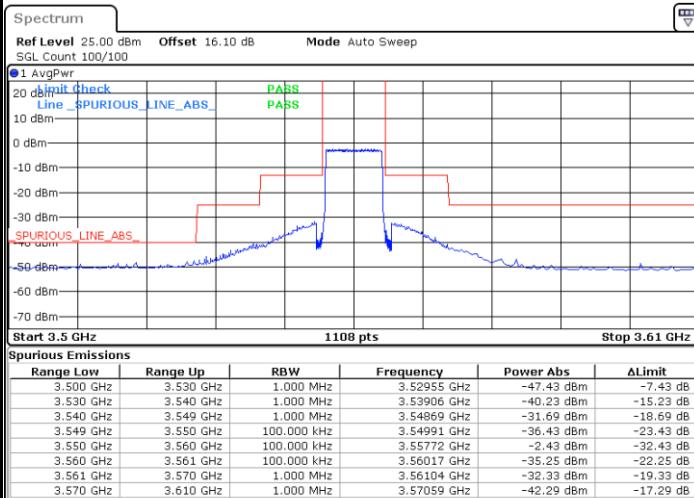
Date: 17.MAY.2022 09:11:13

Lowest Channel / 1RBmax



Date: 17.MAY.2022 09:18:51

Lowest Channel / FullIRB



Date: 17.MAY.2022 09:15:02

N/A

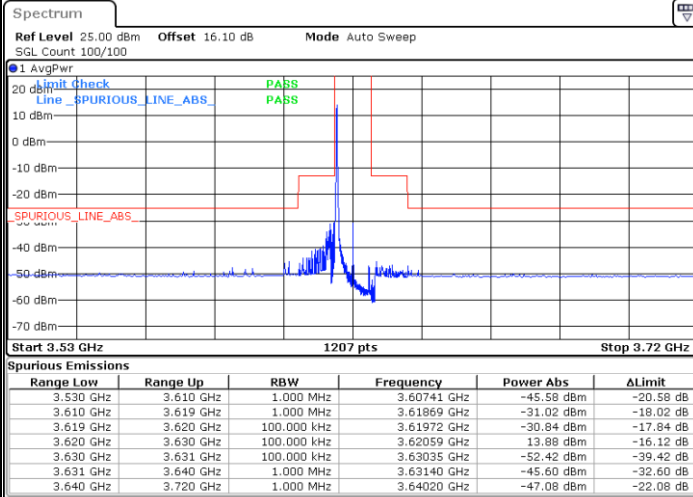


LTE Band 48 / 10MHz

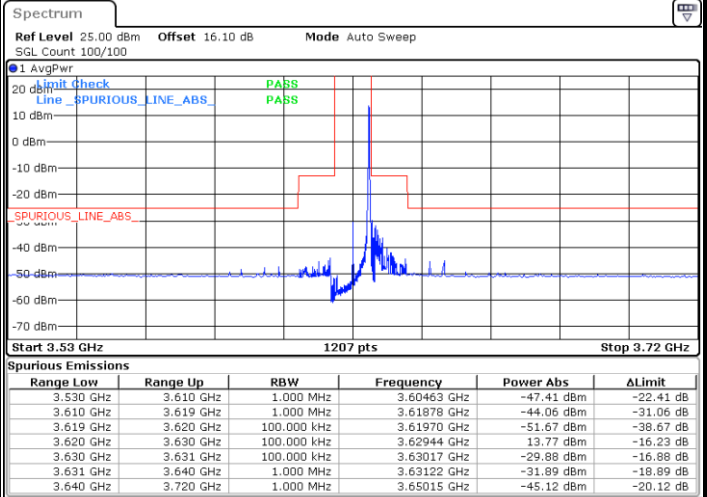
256QAM

MiddleChannel / 1RB0

Middle Channel / 1RBmax



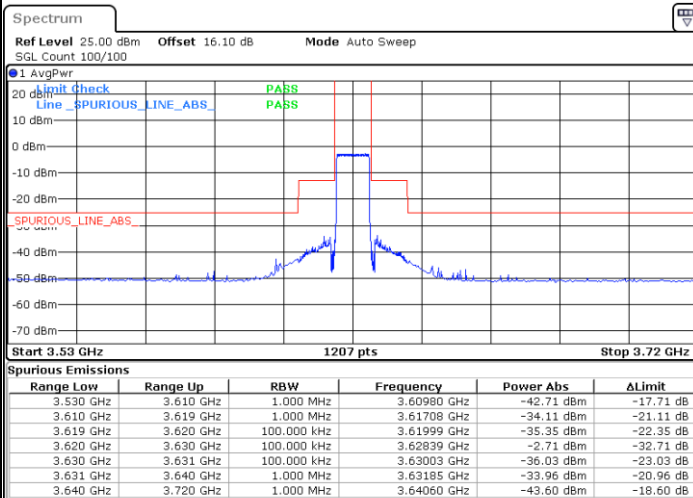
Date: 17.MAY.2022 09:12:42



Date: 17.MAY.2022 09:20:21

Middle Channel / FullRB

N/A



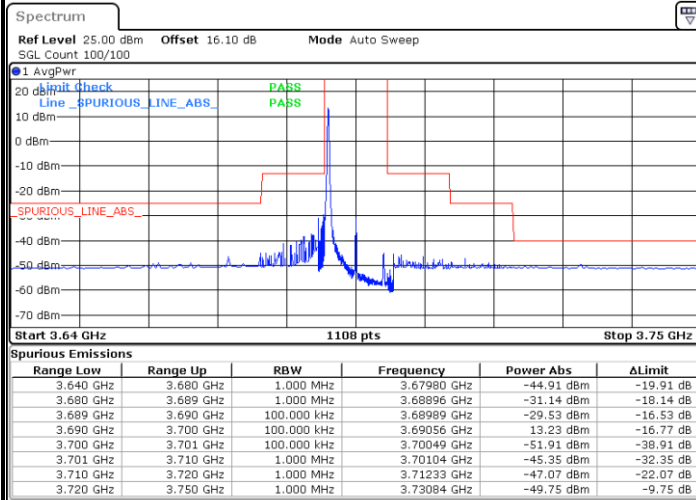
Date: 17.MAY.2022 09:16:32



LTE Band 48 / 10MHz

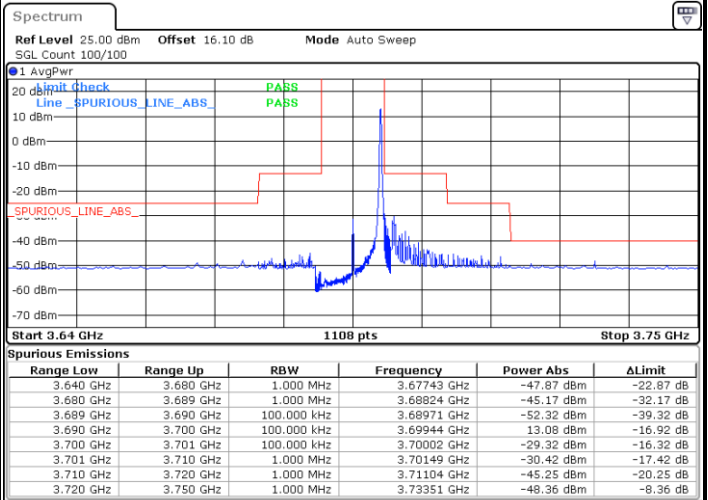
256QAM

Highest Channel / 1RB0



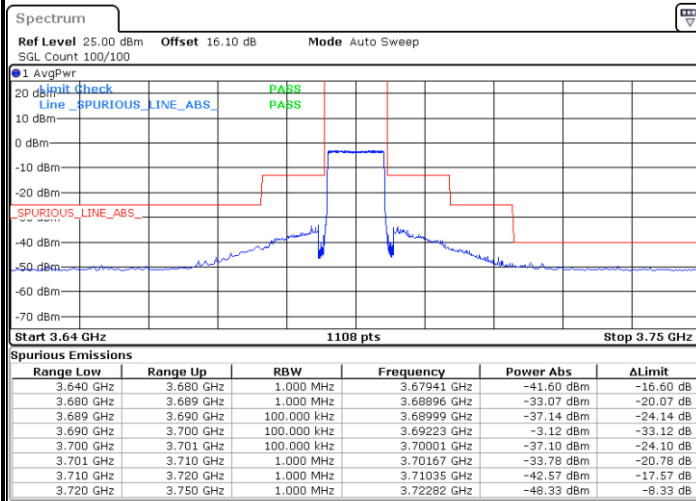
Date: 17.MAY.2022 09:14:12

Highest Channel / 1RBmax



Date: 17.MAY.2022 09:21:50

Highest Channel / FullIRB



Date: 17.MAY.2022 09:18:01

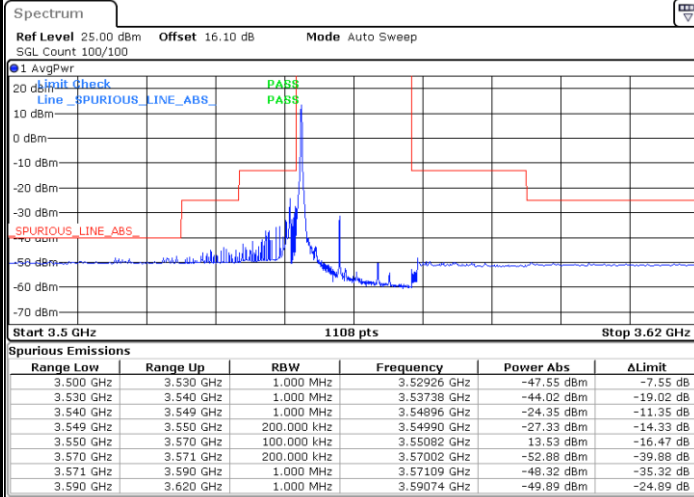
N/A



LTE Band 48 / 15MHz

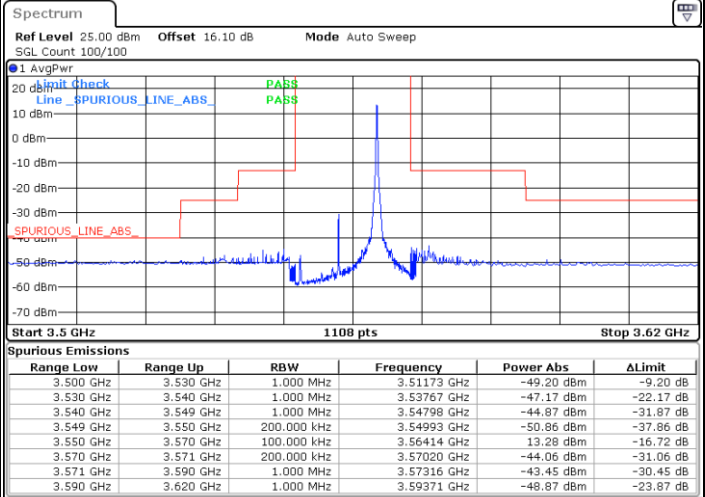
256QAM

Lowest Channel / 1RB0



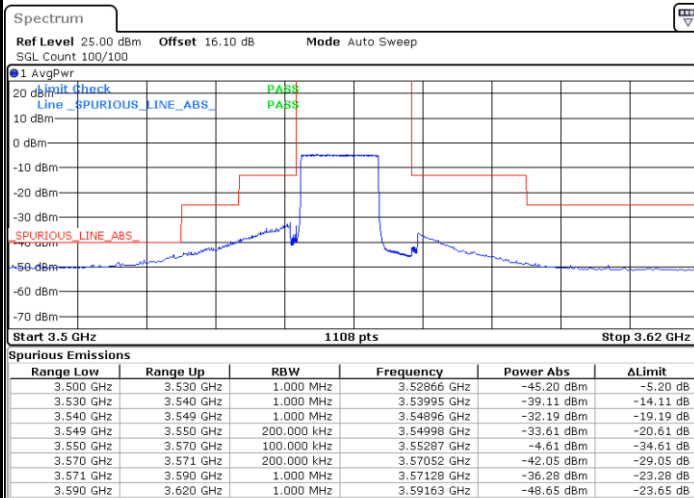
Date: 17.MAY.2022 09:23:46

Lowest Channel / 1RBmax



Date: 17.MAY.2022 09:31:24

Lowest Channel / FullIRB



Date: 17.MAY.2022 09:27:35

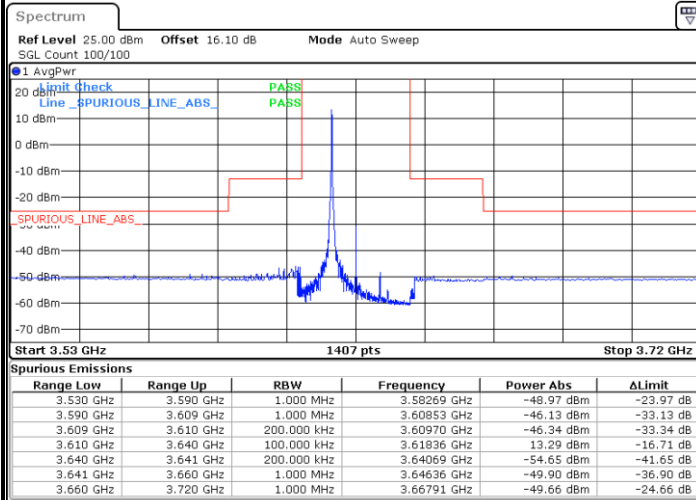
N/A



LTE Band 48 / 15MHz

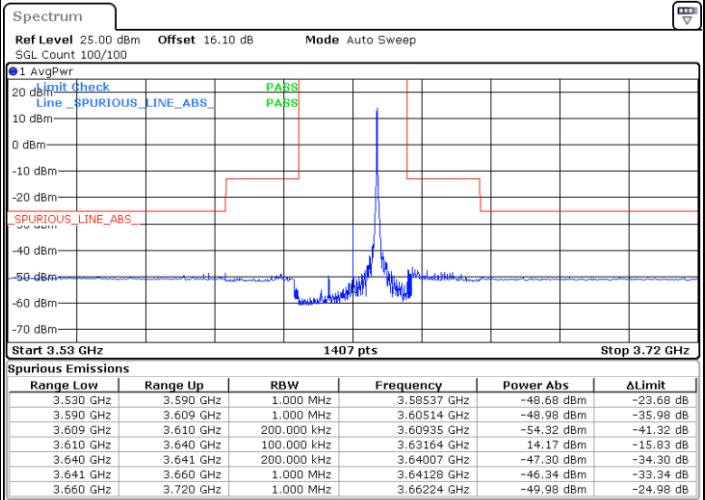
256QAM

Middle Channel / 1RB0



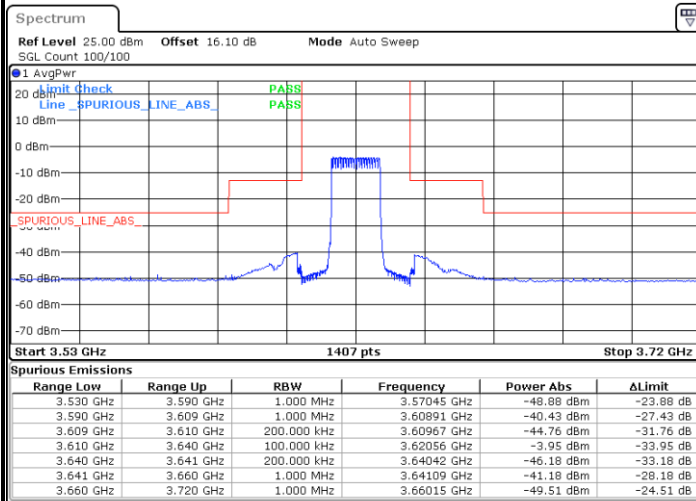
Date: 17.MAY.2022 09:25:15

Middle Channel / 1RBmax



Date: 17.MAY.2022 09:32:53

Middle Channel / FullRB



Date: 17.MAY.2022 09:29:04

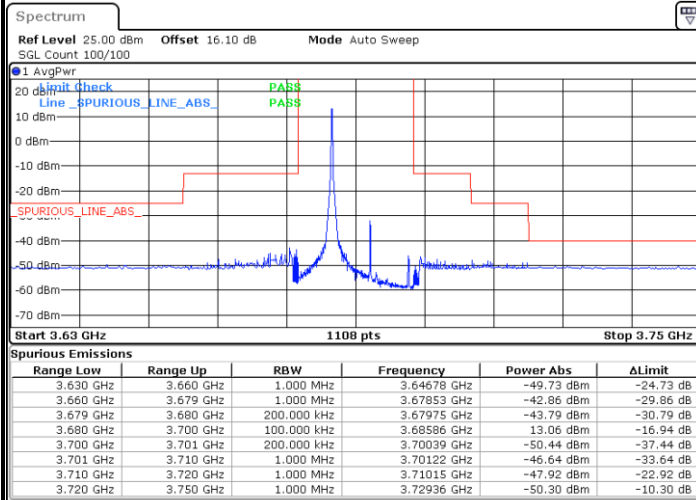
N/A



LTE Band 48 / 15MHz

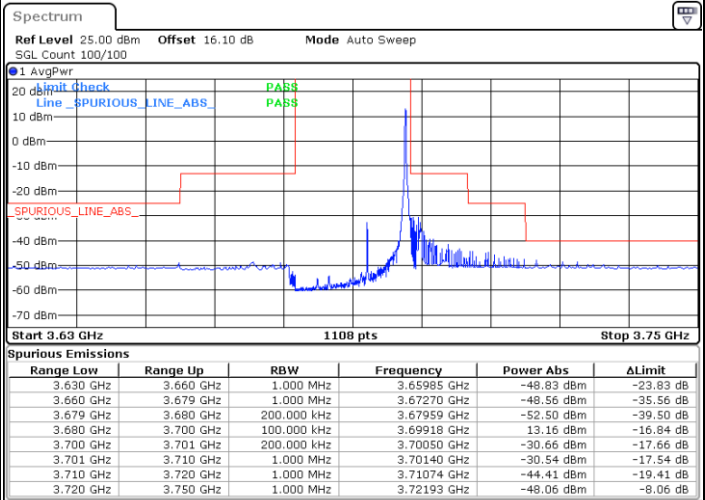
256QAM

Highest Channel / 1RB0



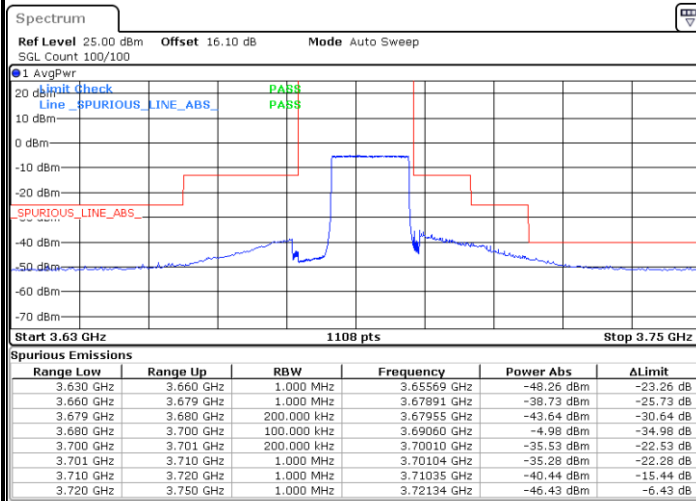
Date: 17.MAY.2022 09:26:44

Highest Channel / 1RBmax



Date: 17.MAY.2022 09:34:22

Highest Channel / FullIRB



Date: 17.MAY.2022 09:30:33

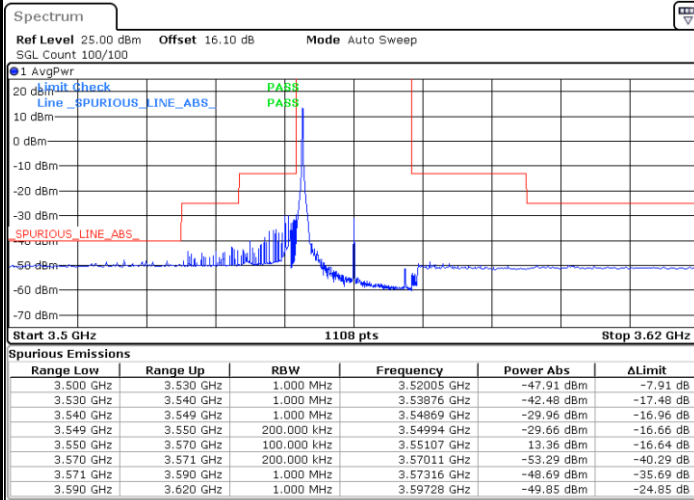
N/A



LTE Band 48 / 20MHz

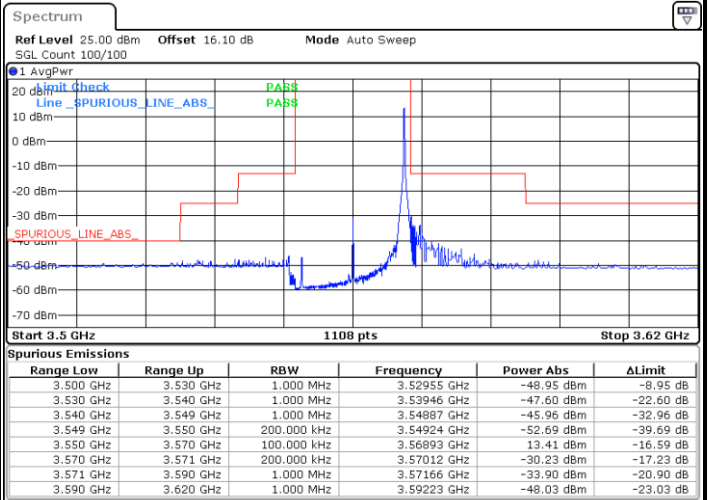
256QAM

Lowest Channel / 1RB0



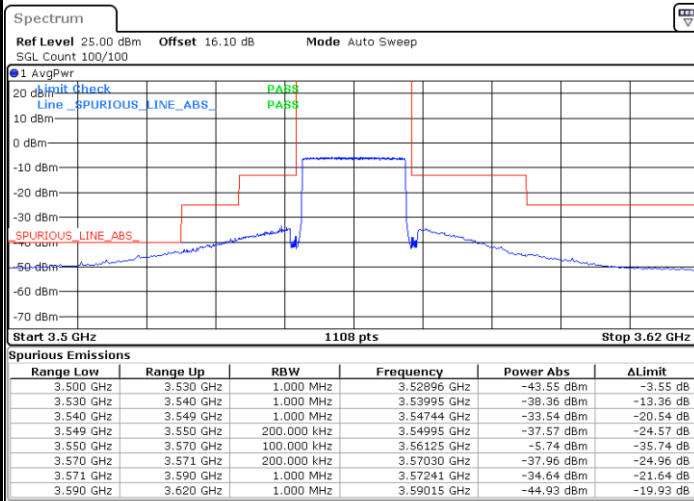
Date: 17.MAY.2022 09:40:19

Lowest Channel / 1RBmax



Date: 17.MAY.2022 09:44:08

Lowest Channel / FullIRB



Date: 17.MAY.2022 09:36:29

N/A

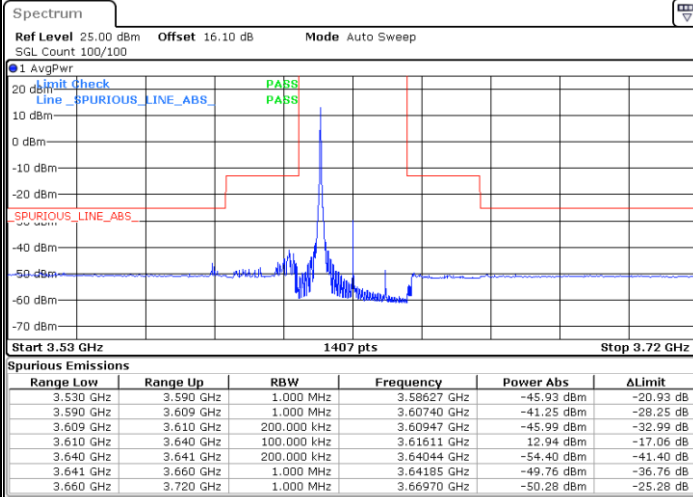


LTE Band 48 / 20MHz

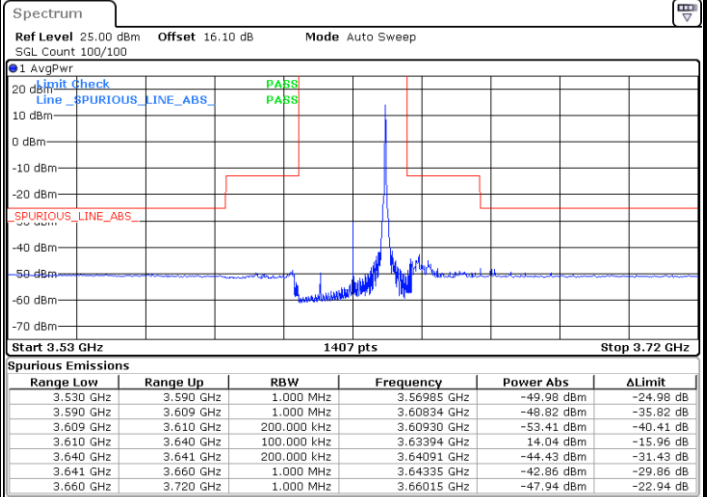
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



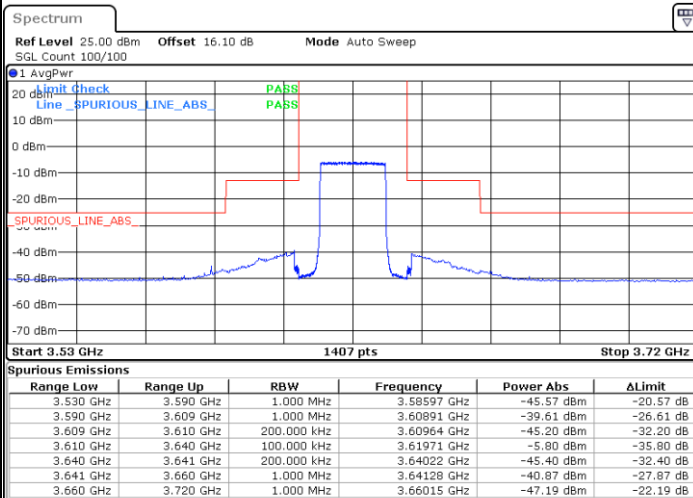
Date: 17.MAY.2022 09:41:48



Date: 17.MAY.2022 09:45:37

Middle Channel / FullRB

N/A



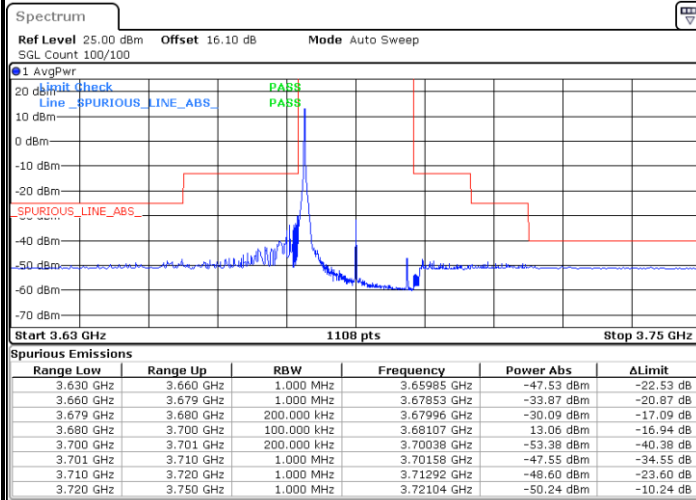
Date: 17.MAY.2022 09:37:58



LTE Band 48 / 20MHz

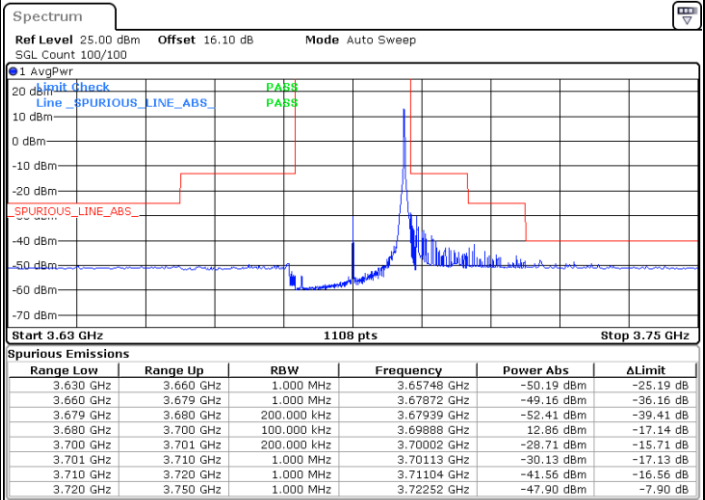
256QAM

Highest Channel / 1RB0



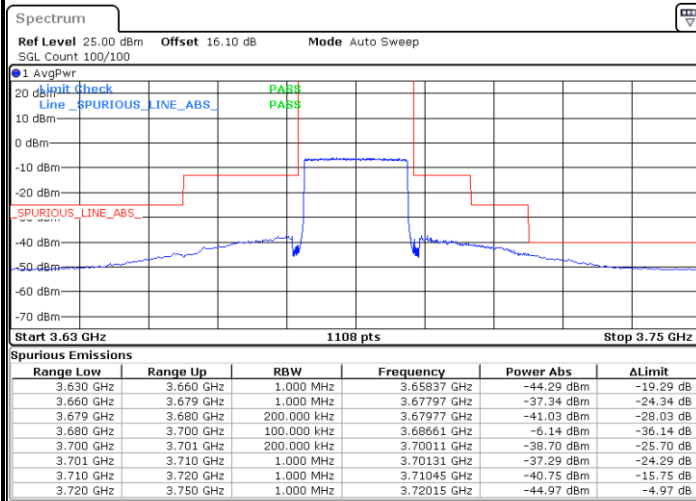
Date: 17.MAY.2022 09:43:17

Highest Channel / 1RBmax



Date: 17.MAY.2022 09:47:06

Highest Channel / FullIRB



Date: 17.MAY.2022 09:39:28

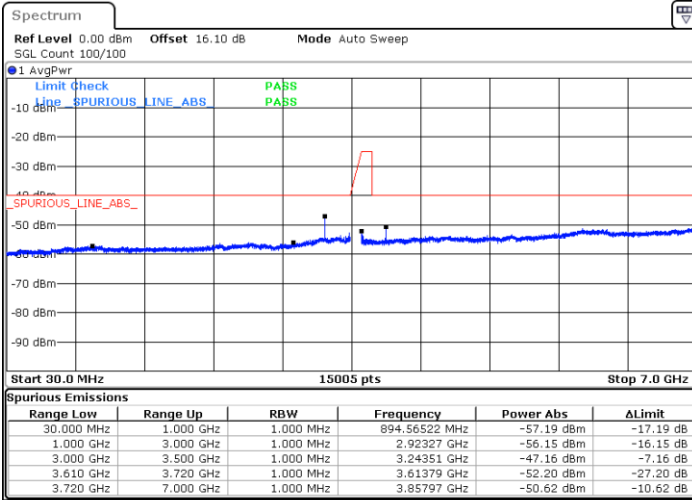
N/A



Conducted Spurious Emission

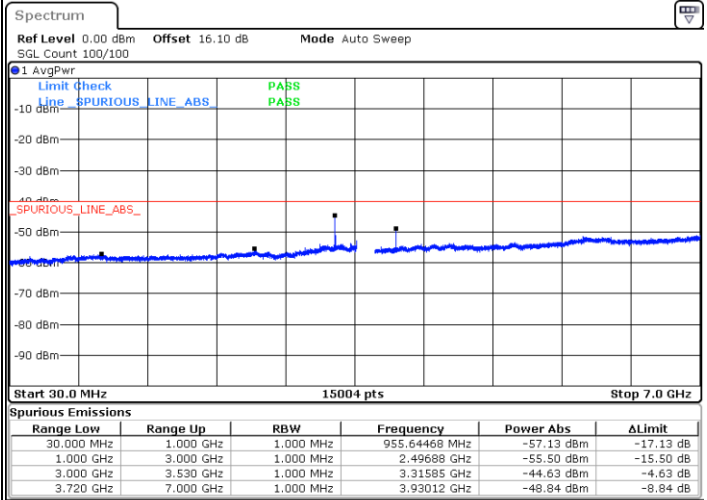
LTE Band 48 / 5MHz

Lowest Channel / QPSK



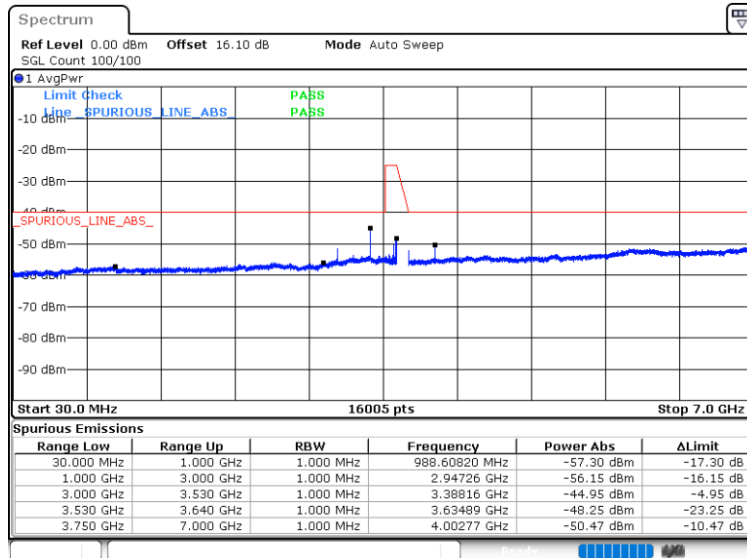
Date: 17.MAY.2022 08:41:58

Middle Channel / QPSK



Date: 17.MAY.2022 08:43:11

Highest Channel / QPSK

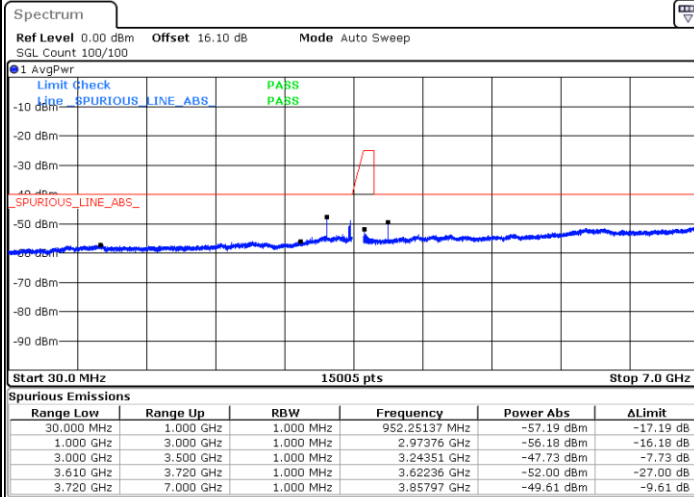


Date: 17.MAY.2022 08:44:24



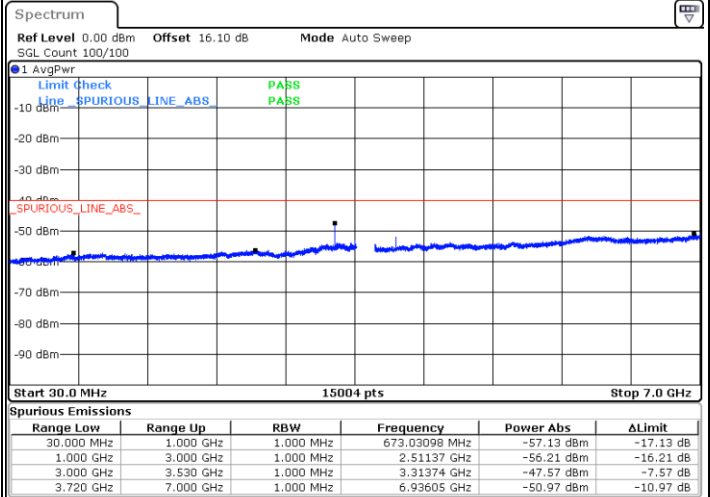
LTE Band 48 / 10MHz

Lowest Channel / QPSK



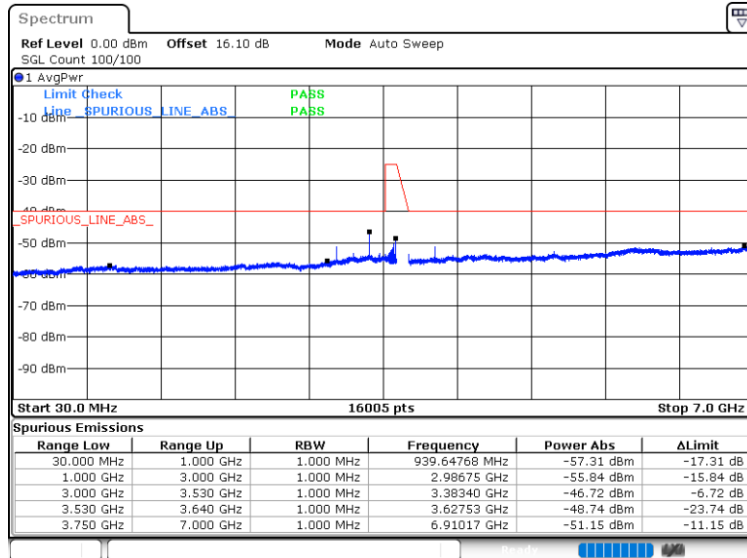
Date: 17.MAY.2022 08:45:37

Middle Channel / QPSK



Date: 17.MAY.2022 08:46:49

Highest Channel / QPSK

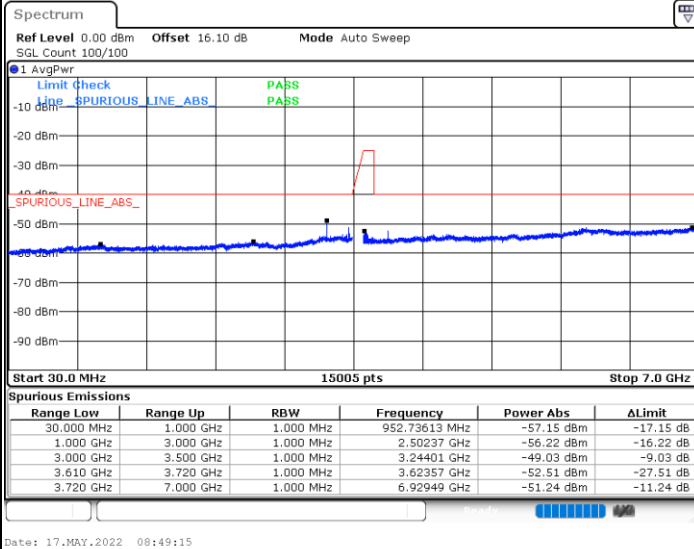


Date: 17.MAY.2022 08:48:02

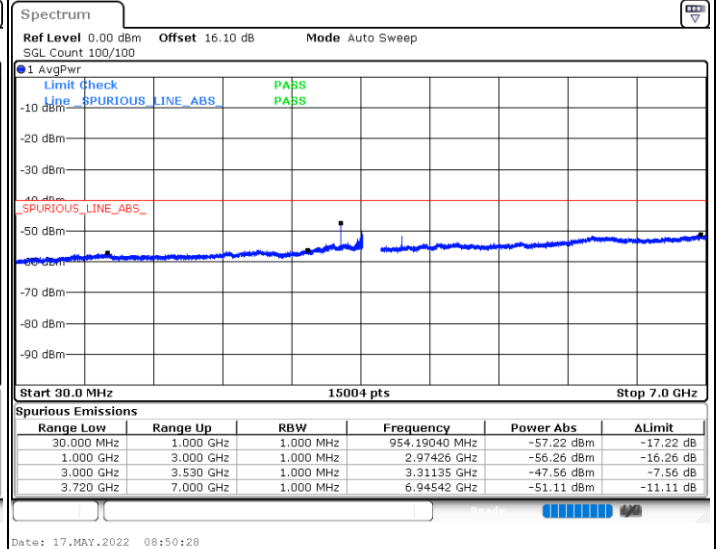


LTE Band 48 / 15MHz

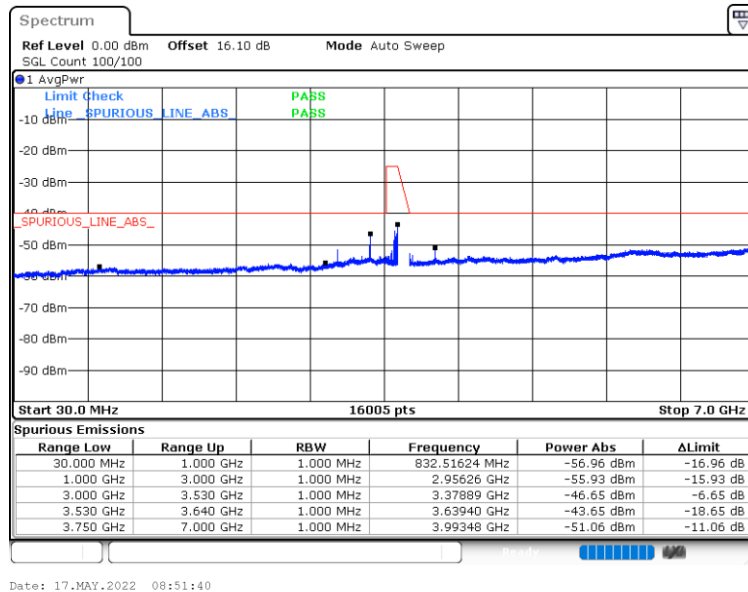
Lowest Channel / QPSK



Middle Channel / QPSK



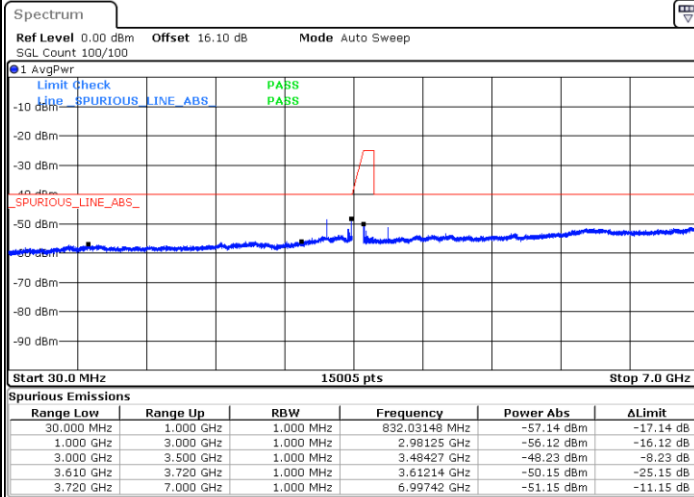
Highest Channel / QPSK





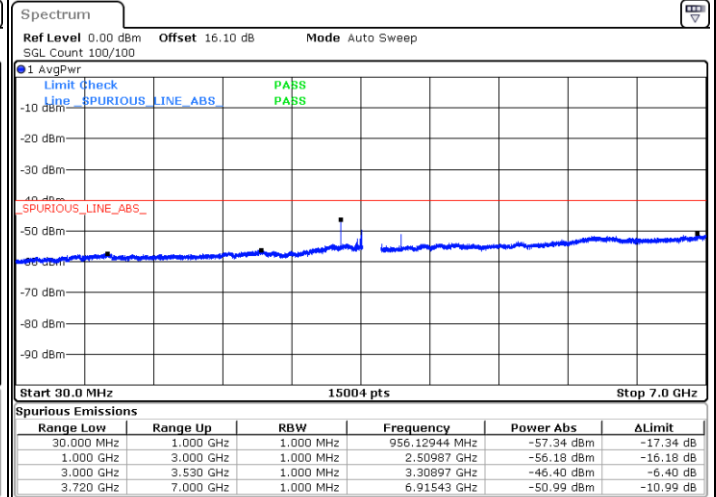
LTE Band 48 / 20MHz

Lowest Channel / QPSK



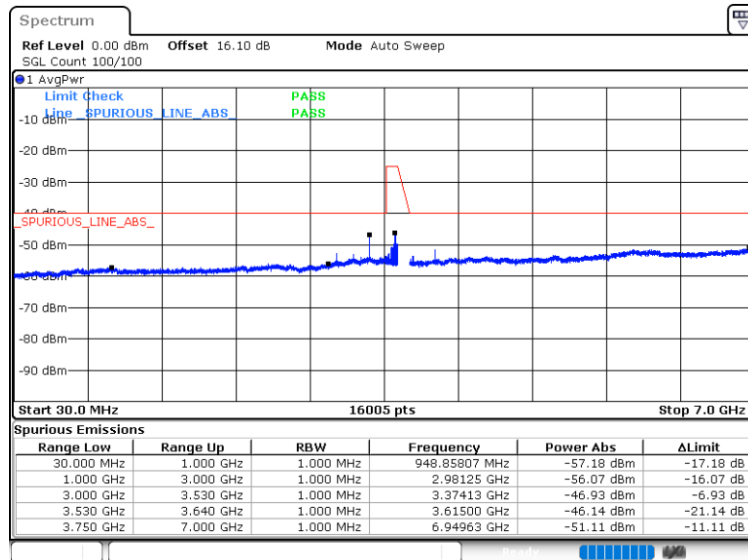
Date: 17.MAY.2022 08:52:53

Middle Channel / QPSK



Date: 17.MAY.2022 08:54:05

Highest Channel / QPSK



Date: 17.MAY.2022 08:55:18

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	0.0014	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.85 V. ; Battery End Point (ACLRP) = 3.30 V. ; Maximum Voltage = 4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 48C

26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.78	29.85	34.83	25.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	35.04	39.72	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.83	29.85	34.83	24.98
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.21	34.76	39.72	-

Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.78	29.73	34.83	25.03
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.39	34.69	39.96	-

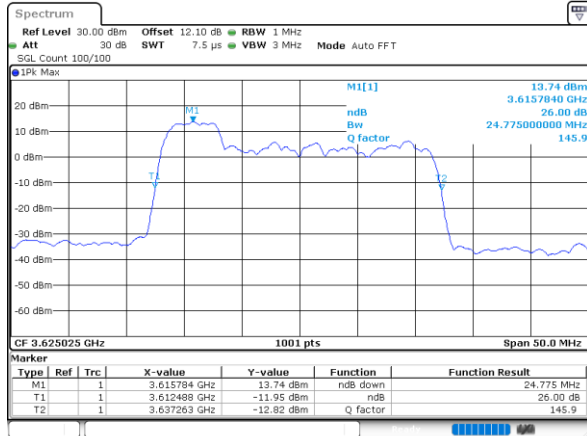
Mode	LTE Band 48C : 26dB BW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.83	29.67	34.83	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.21	34.69	39.88	-



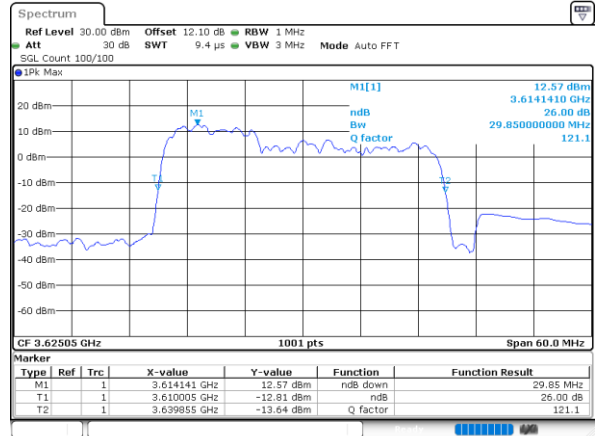
LTE Band 48C

QPSK

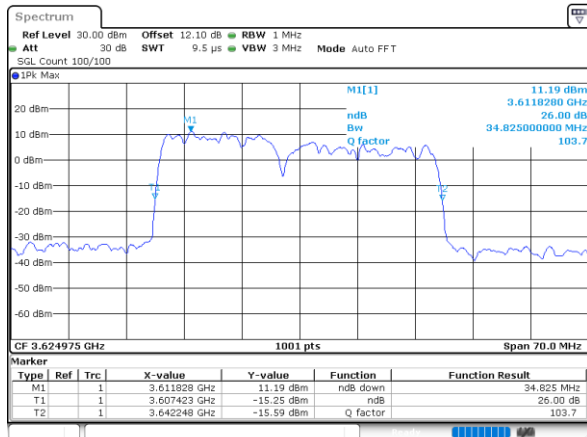
Middle Channel / 5MHz+20MHz



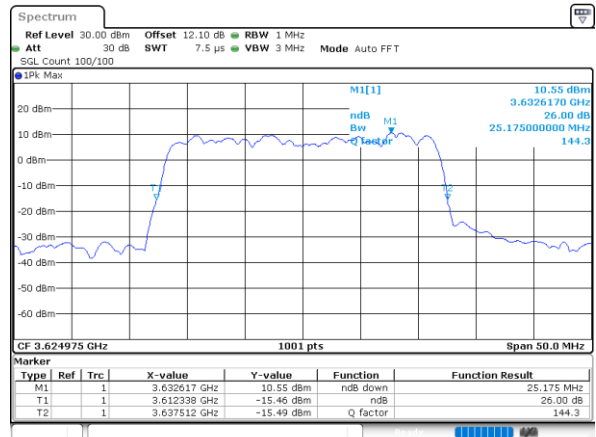
Middle Channel / 10MHz+20MHz



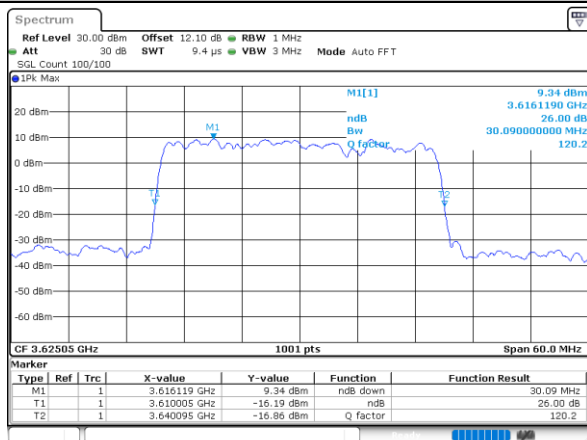
Middle Channel / 15MHz+20MHz



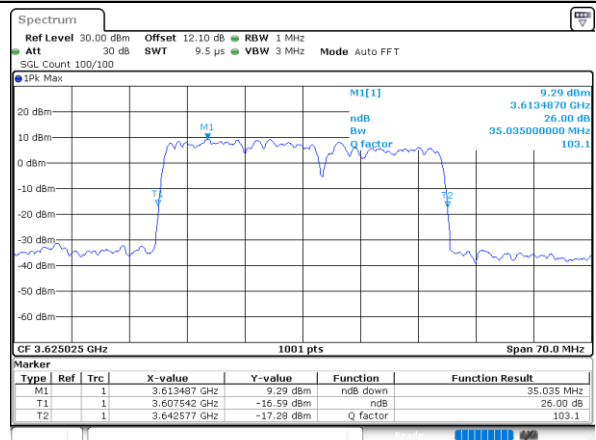
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



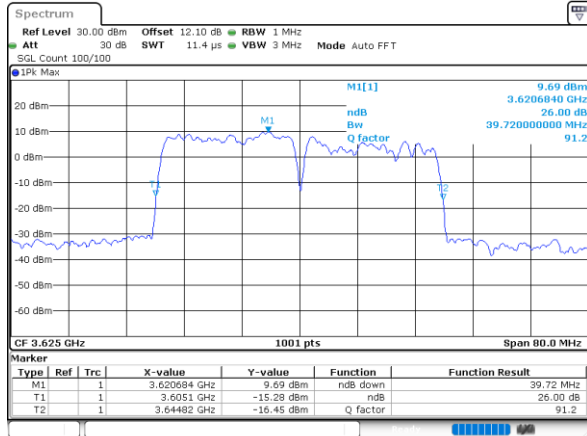


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A

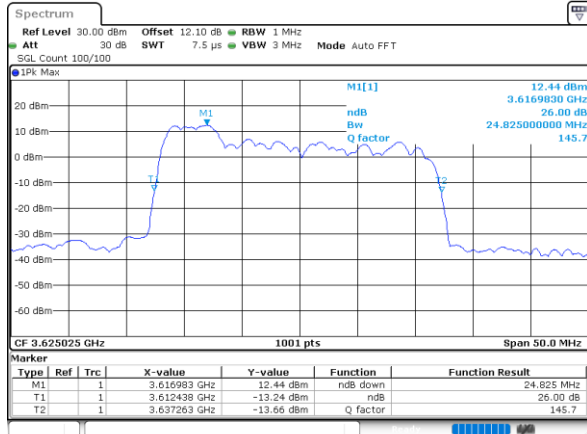




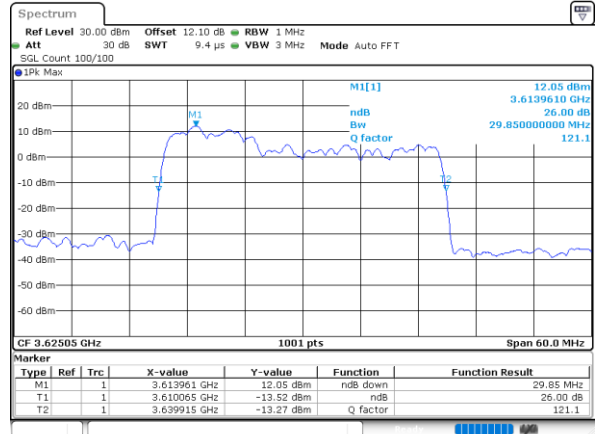
LTE Band 48C

16QAM

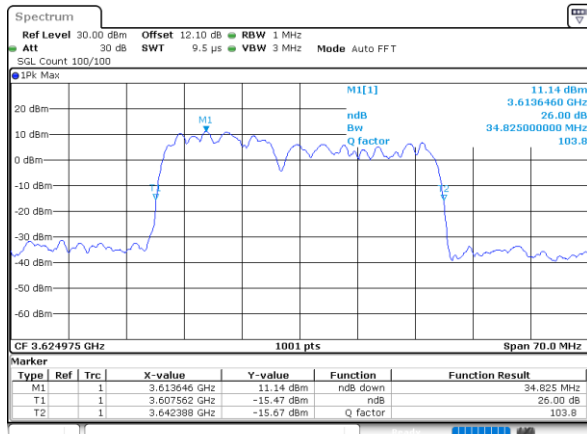
Middle Channel / 5MHz+20MHz



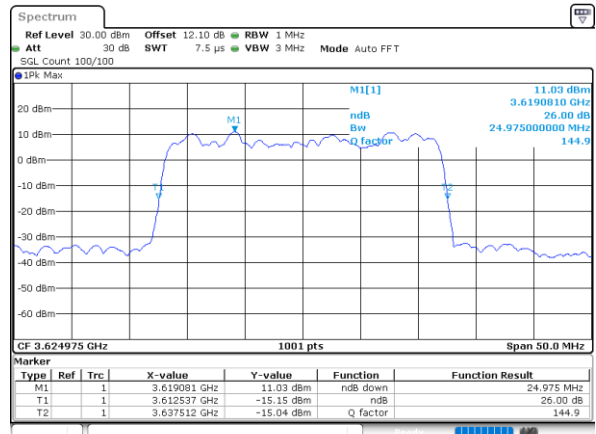
Middle Channel / 10MHz+20MHz



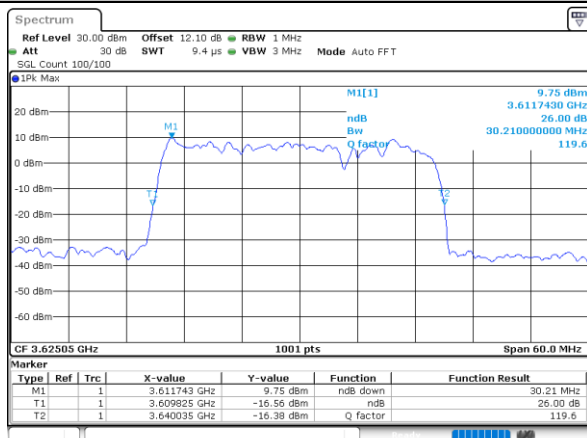
Middle Channel / 15MHz+20MHz



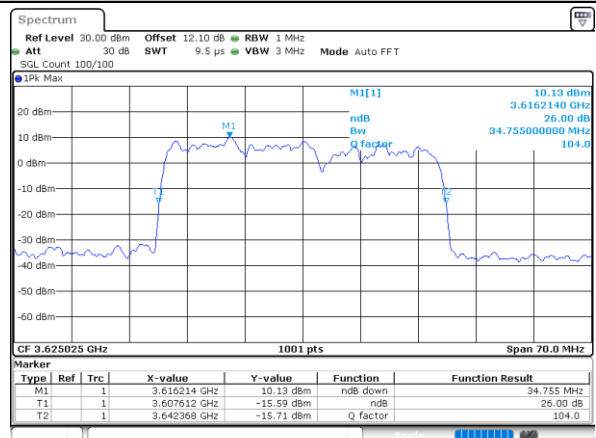
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



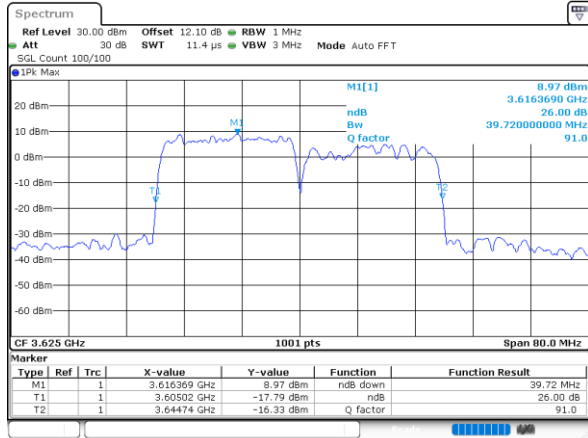


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A

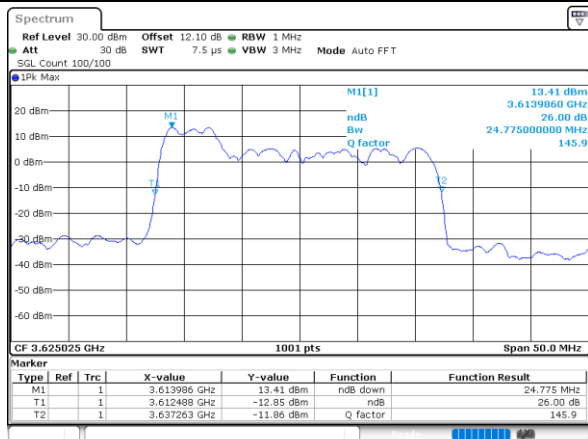




LTE Band 48C

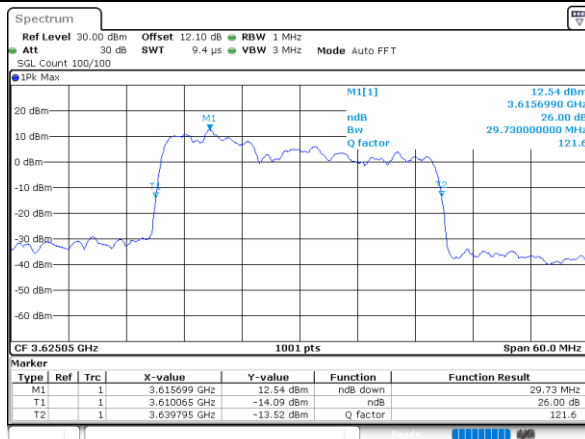
64QAM

Middle Channel / 5MHz+20MHz



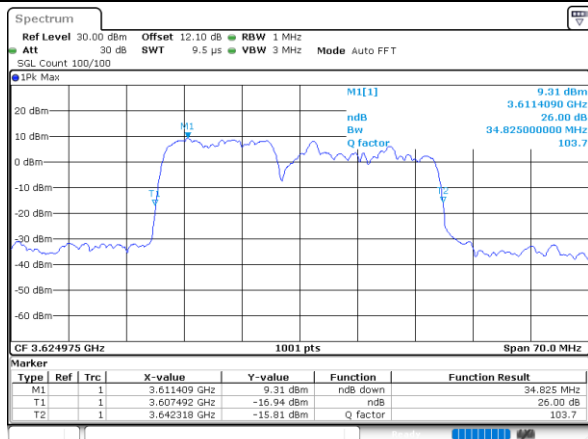
Date: 28 JUN 2022 10:45:23

Middle Channel / 10MHz+20MHz



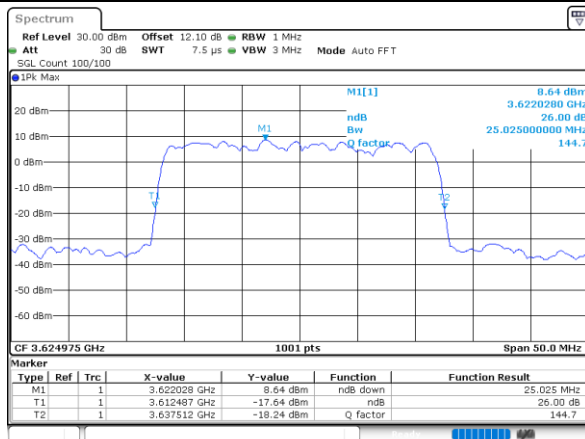
Date: 28 JUN 2022 10:53:30

Middle Channel / 15MHz+20MHz



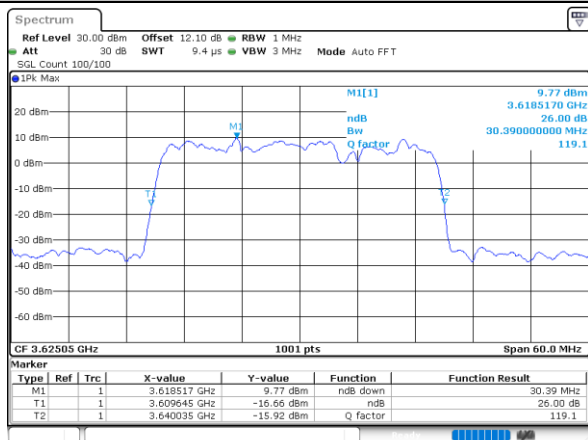
Date: 28 JUN 2022 11:08:32

Middle Channel / 20MHz+5MHz



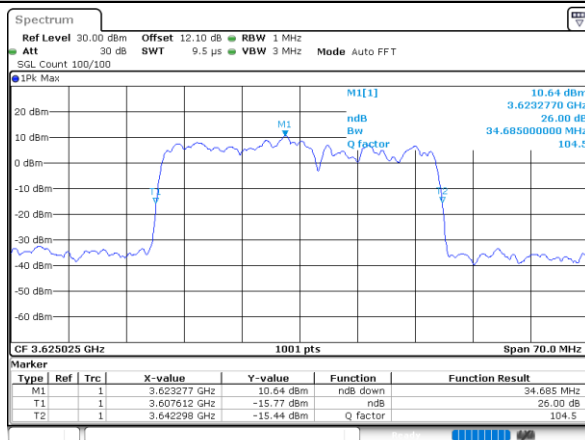
Date: 28 JUN 2022 10:49:15

Middle Channel / 20MHz+10MHz



Date: 28 JUN 2022 11:02:53

Middle Channel / 20MHz+15MHz



Date: 28 JUN 2022 11:12:23

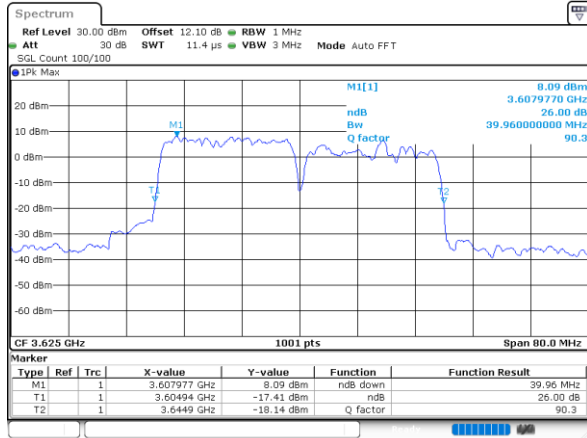


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A

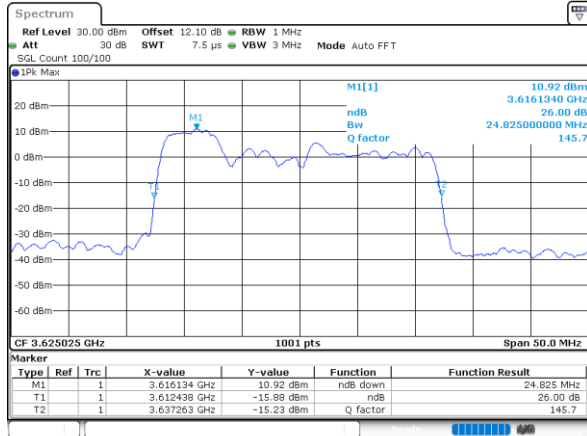




LTE Band 48C

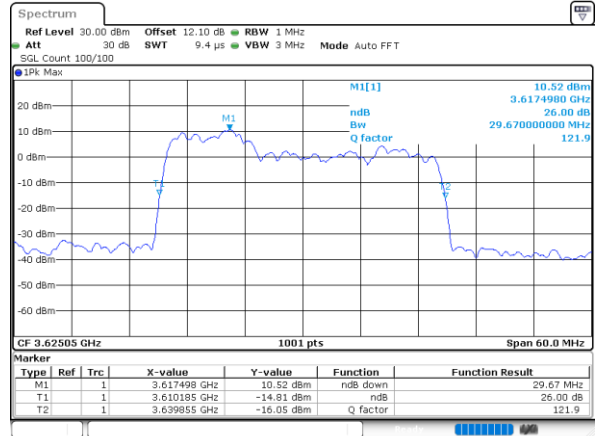
256QAM

Middle Channel / 5MHz+20MHz



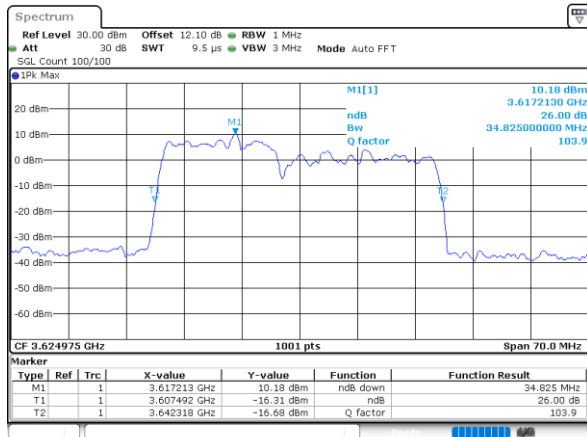
Date: 28 JUN 2022 10:46:48

Middle Channel / 10MHz+20MHz



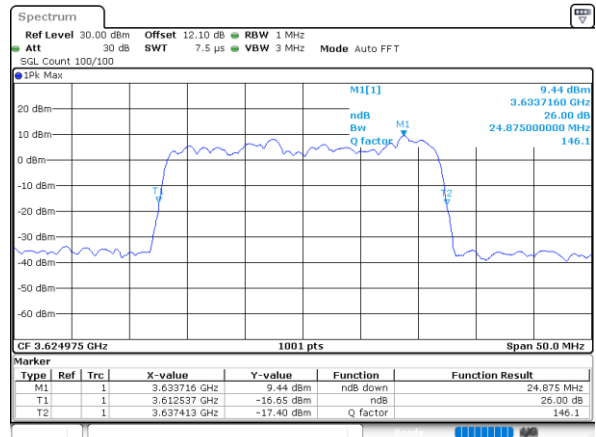
Date: 28 JUN 2022 10:54:55

Middle Channel / 15MHz+20MHz



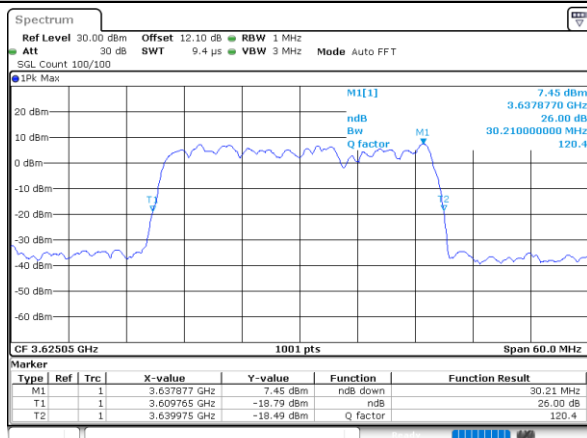
Date: 28 JUN 2022 11:09:58

Middle Channel / 20MHz+5MHz



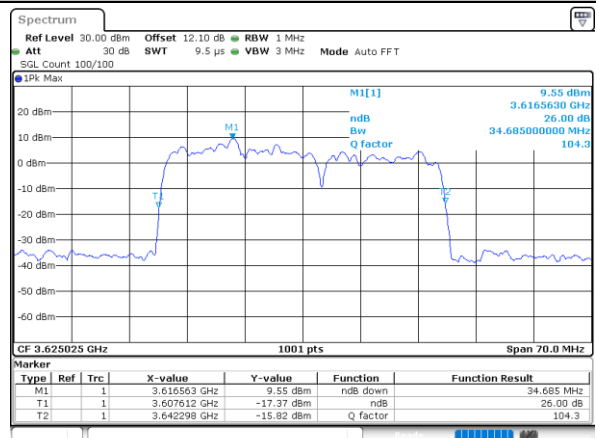
Date: 28 JUN 2022 10:50:40

Middle Channel / 20MHz+10MHz



Date: 28 JUN 2022 11:04:18

Middle Channel / 20MHz+15MHz



Date: 28 JUN 2022 11:13:49

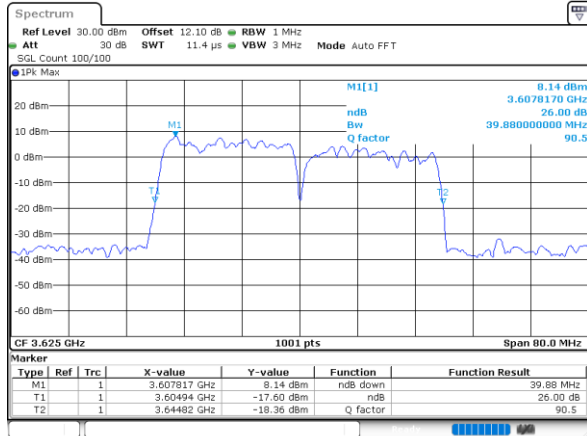


LTE Band 48C

256QAM

Middle Channel / 20MHz+20MHz

N/A



Occupied Bandwidth

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.43	28.11	32.66	23.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.59	37.80	-

Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.23	27.87	32.80	23.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.80	37.64	-

Mode	LTE Band 48C : 99%OBW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.18	28.05	32.73	23.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.81	33.15	37.40	-

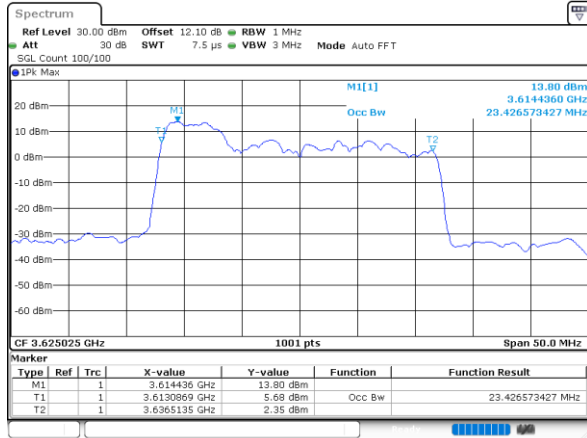
Mode	LTE Band 48C : 99%OBW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.13	28.17	32.59	23.38
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.59	37.64	-



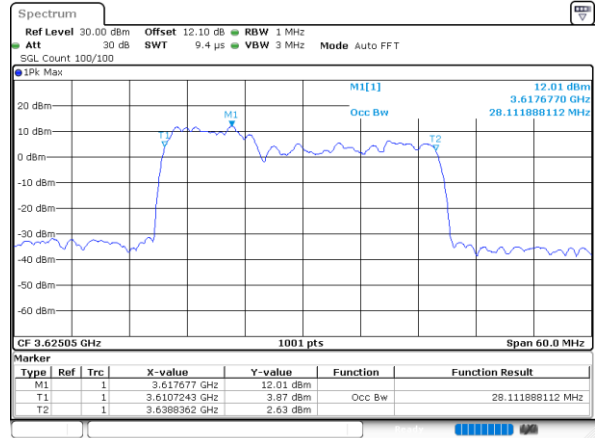
LTE Band 48C

QPSK

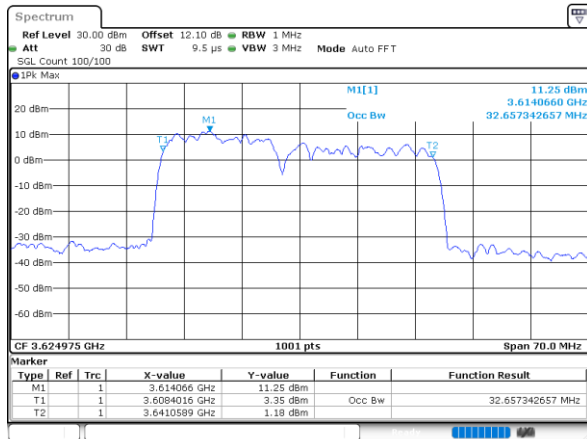
Middle Channel / 5MHz+20MHz



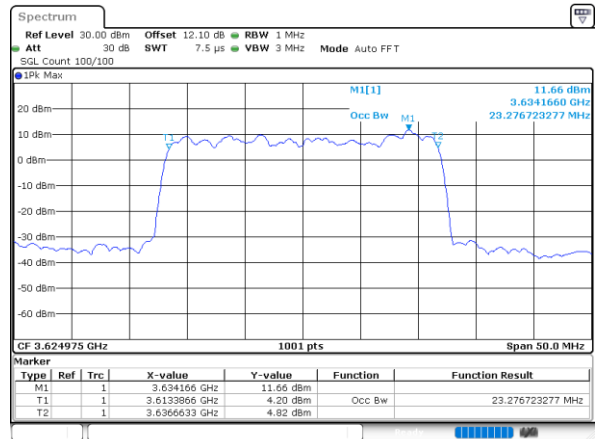
Middle Channel / 10MHz+20MHz



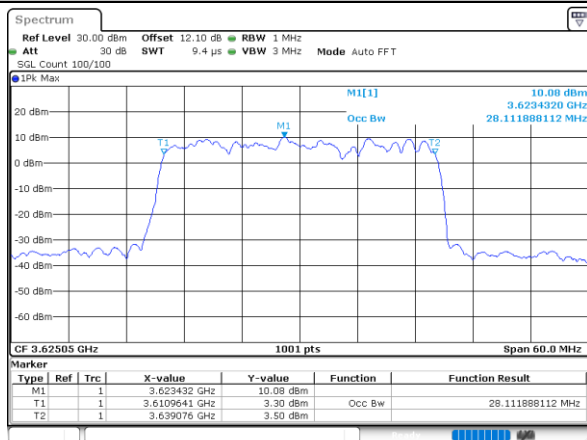
Middle Channel / 15MHz+20MHz



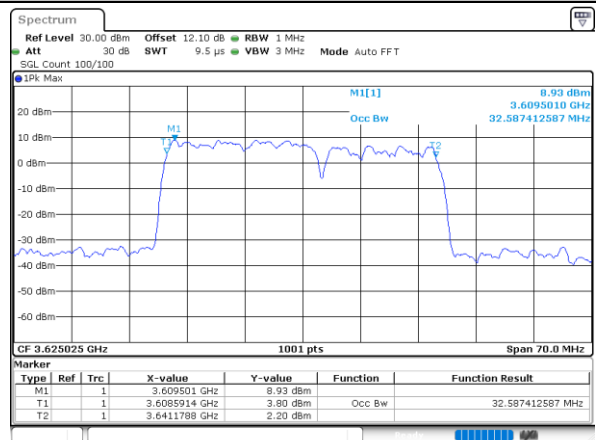
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz





LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A

