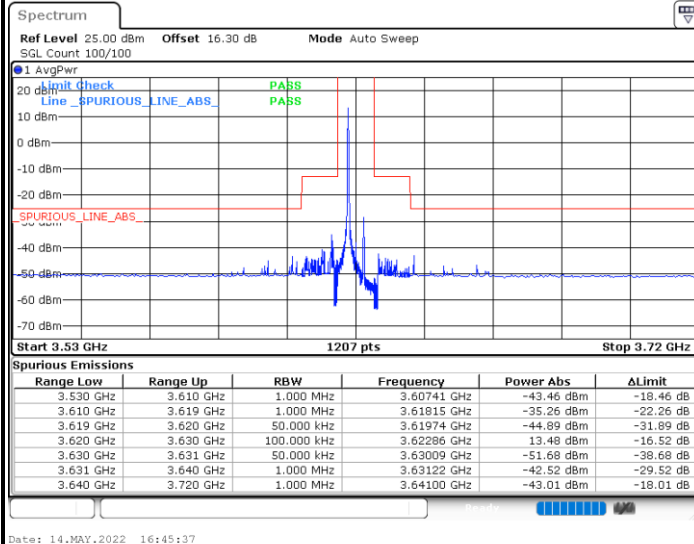




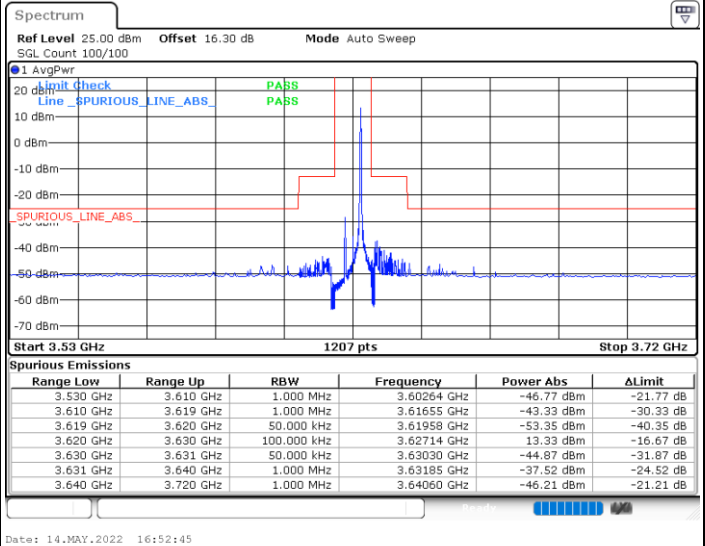
LTE Band 48 / 5MHz

256QAM

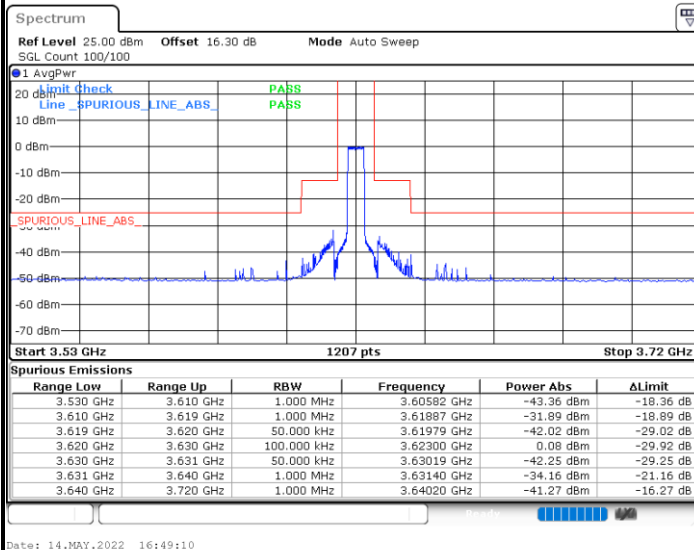
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB



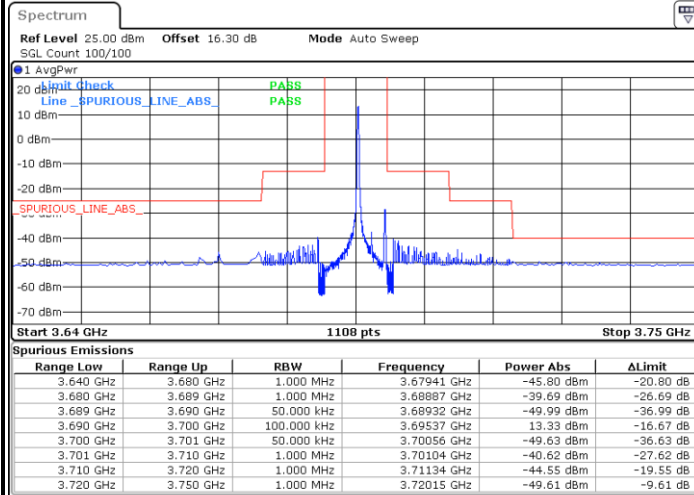
N/A



LTE Band 48 / 5MHz

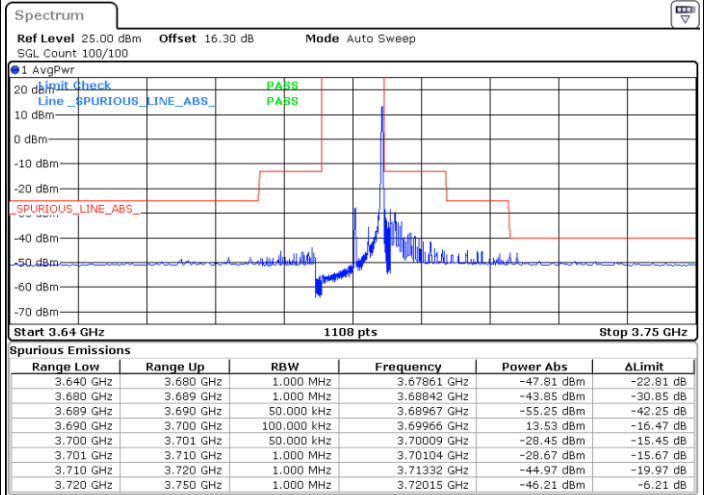
256QAM

Highest Channel / 1RB0



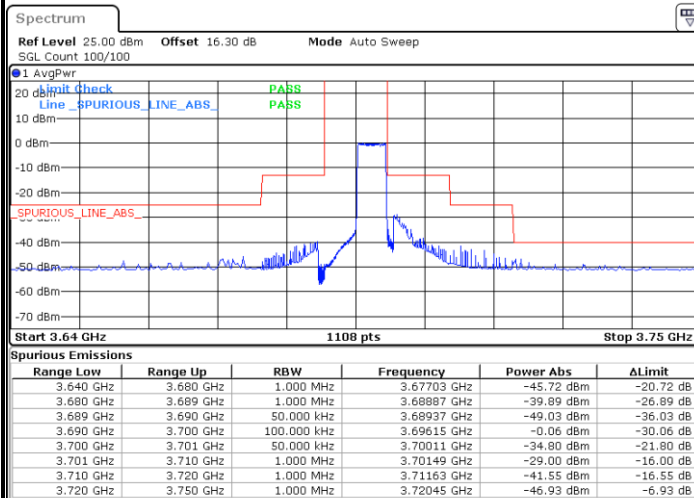
Date: 14.MAY.2022 16:46:48

Highest Channel / 1RBmax



Date: 14.MAY.2022 16:53:55

Highest Channel / FullIRB



Date: 14.MAY.2022 16:50:20

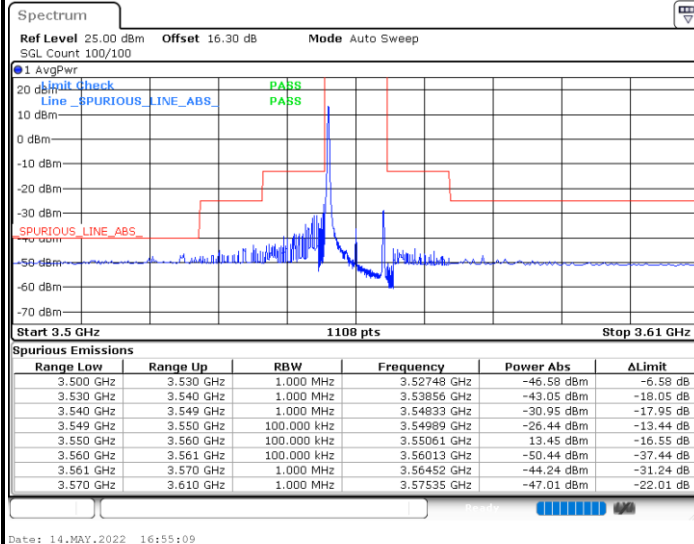
N/A



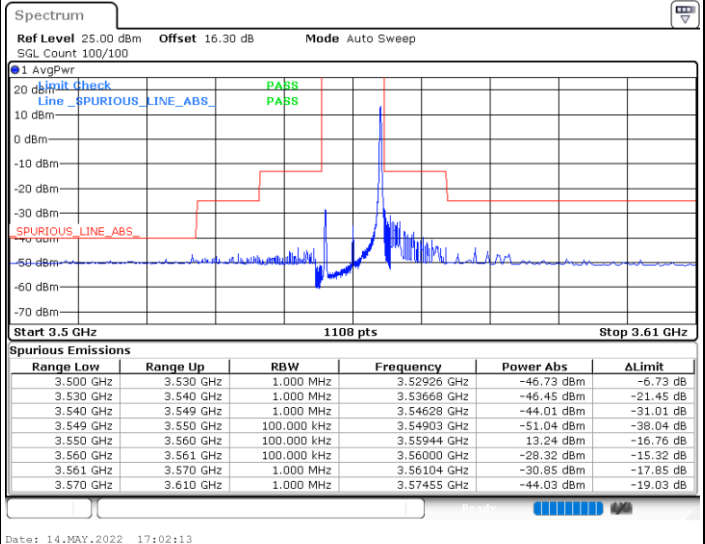
LTE Band 48 / 10MHz

256QAM

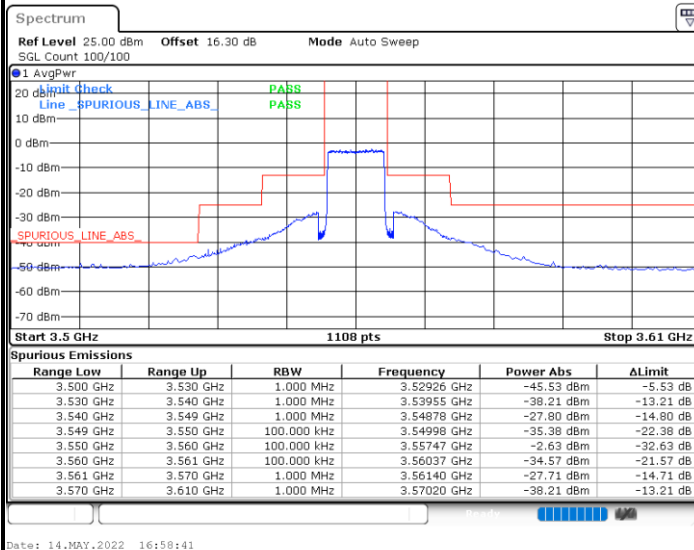
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullIRB



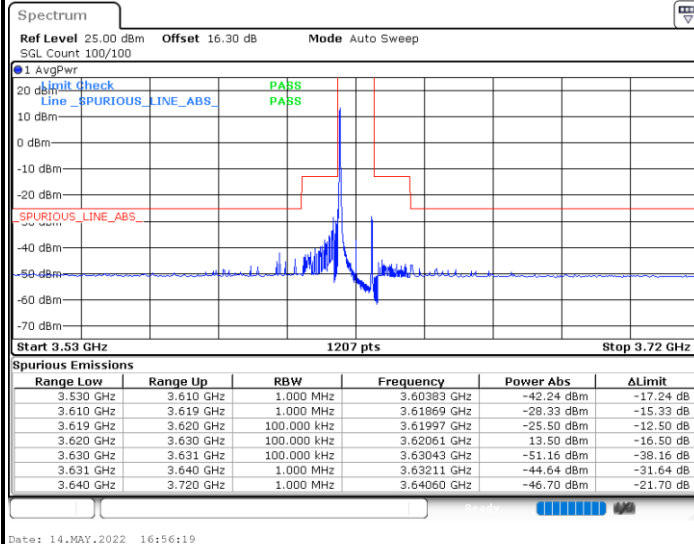
N/A



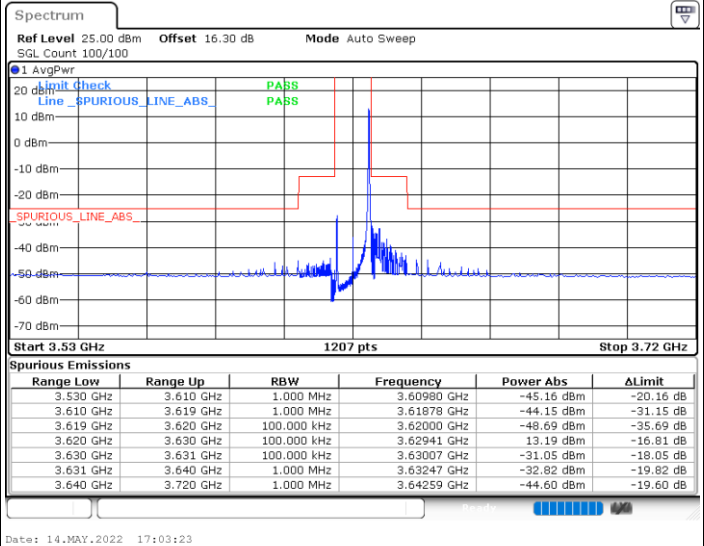
LTE Band 48 / 10MHz

256QAM

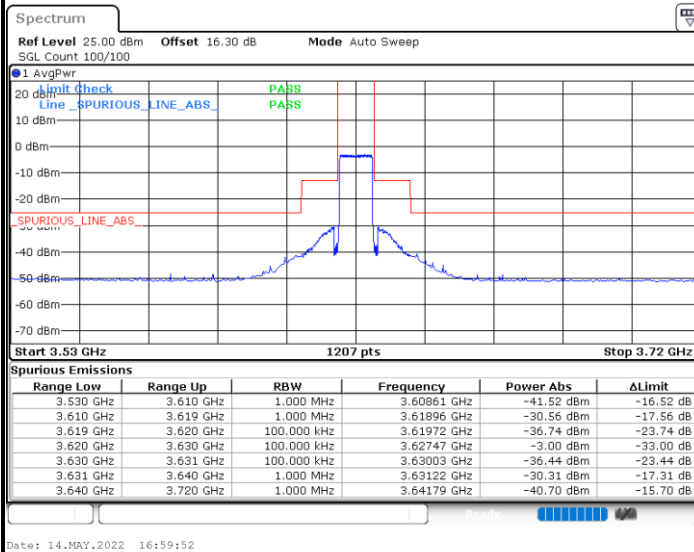
MiddleChannel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB



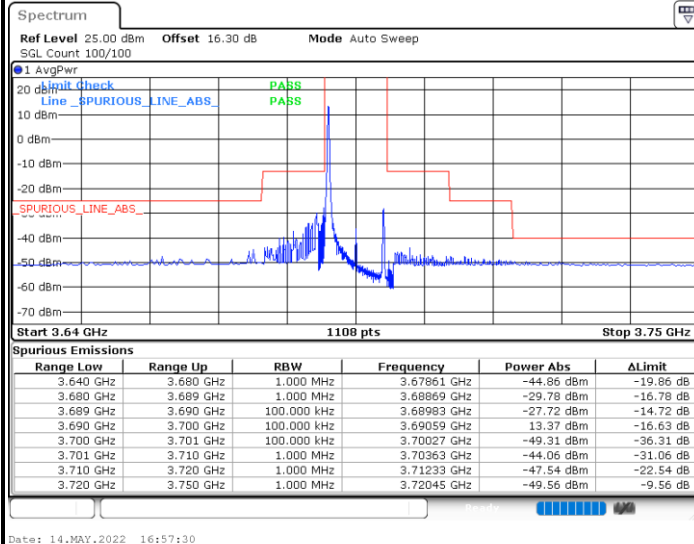
N/A



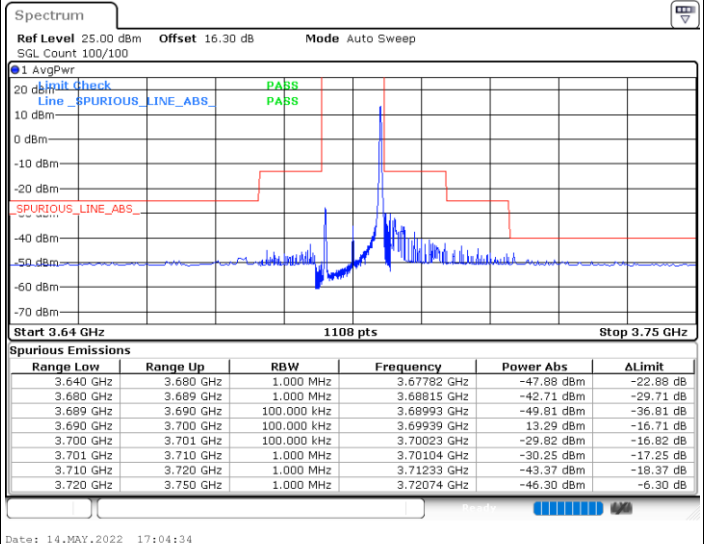
LTE Band 48 / 10MHz

256QAM

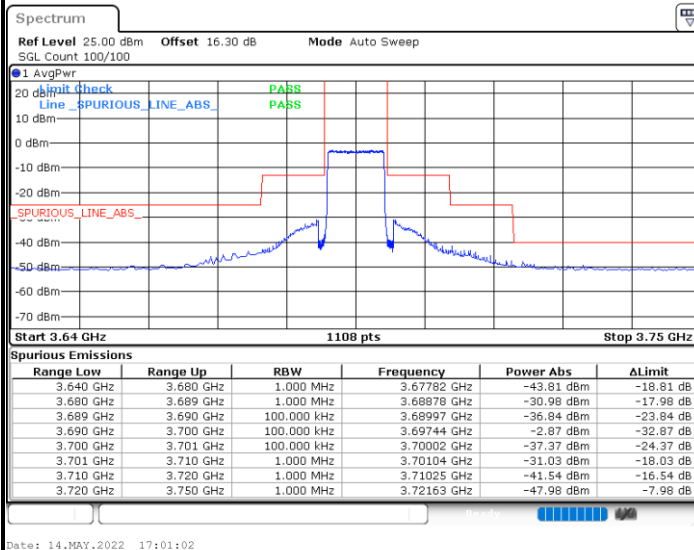
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullIRB



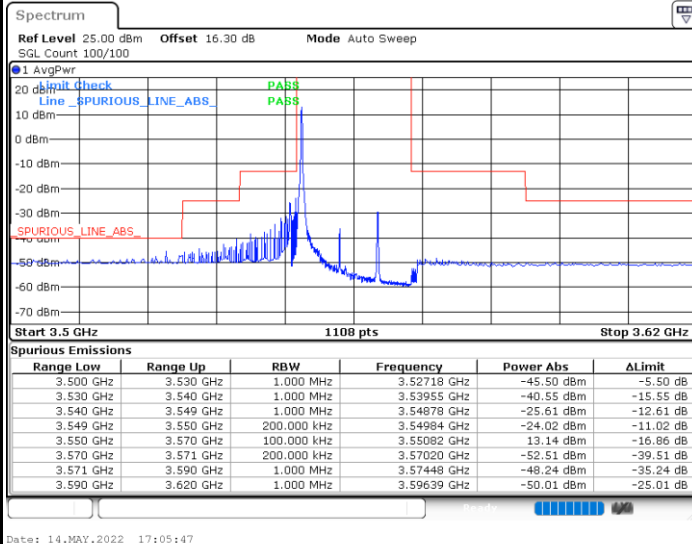
N/A



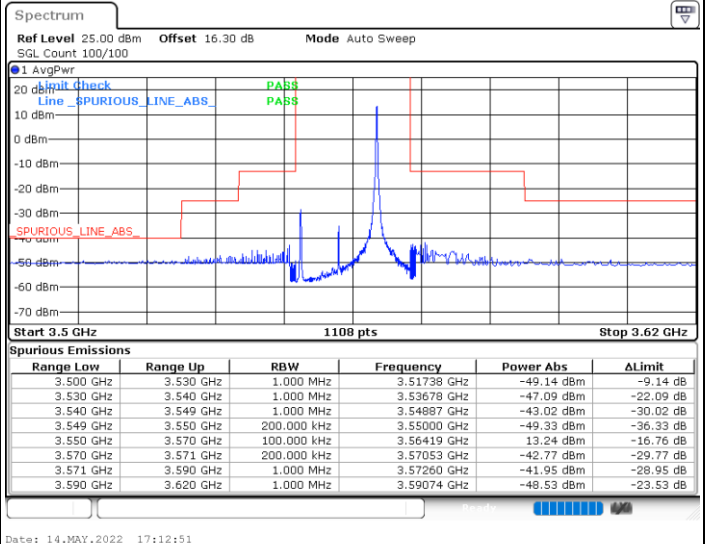
LTE Band 48 / 15MHz

256QAM

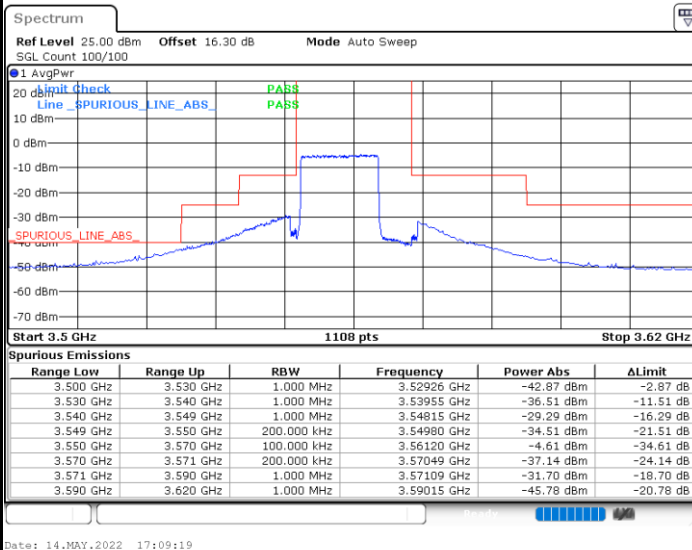
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB



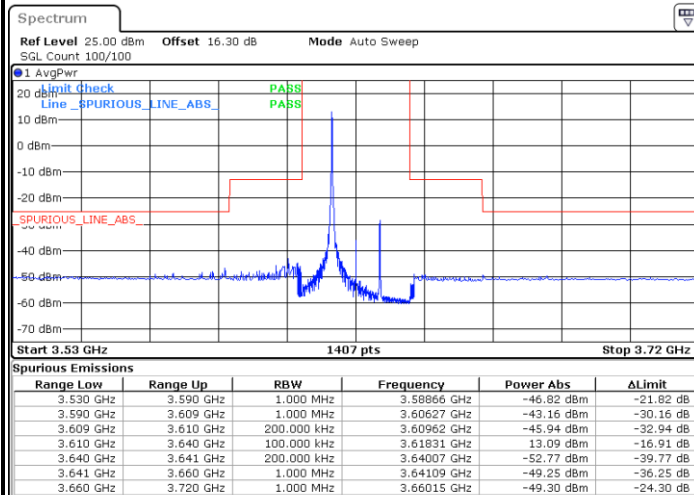
N/A



LTE Band 48 / 15MHz

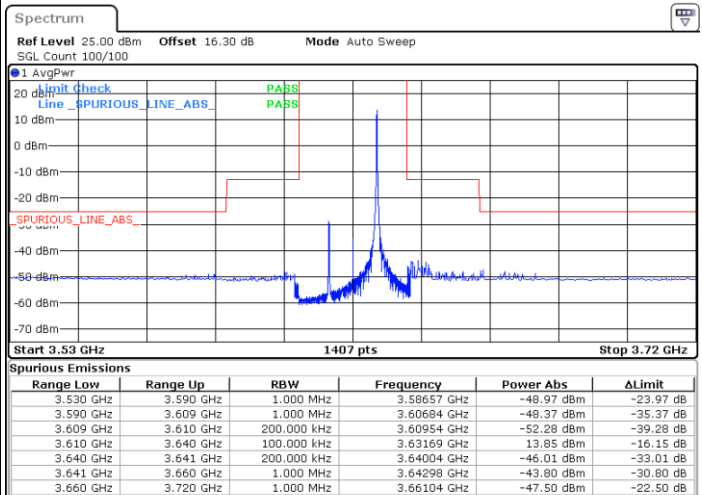
256QAM

Middle Channel / 1RB0



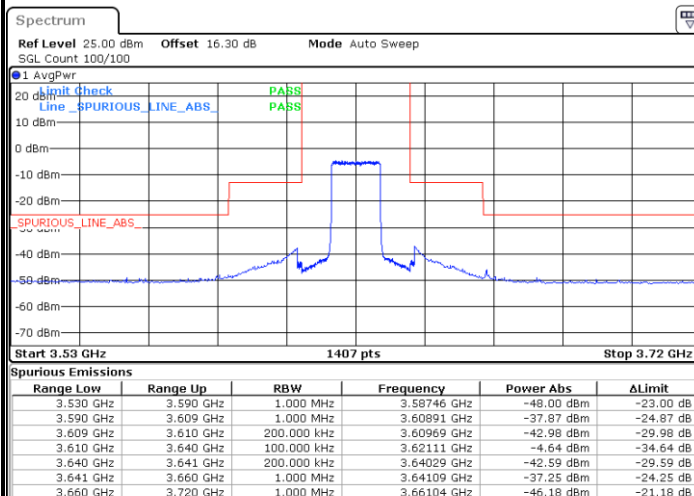
Date: 14.MAY.2022 17:06:57

Middle Channel / 1RBmax



Date: 14.MAY.2022 17:14:02

Middle Channel / FullRB



Date: 14.MAY.2022 17:10:30

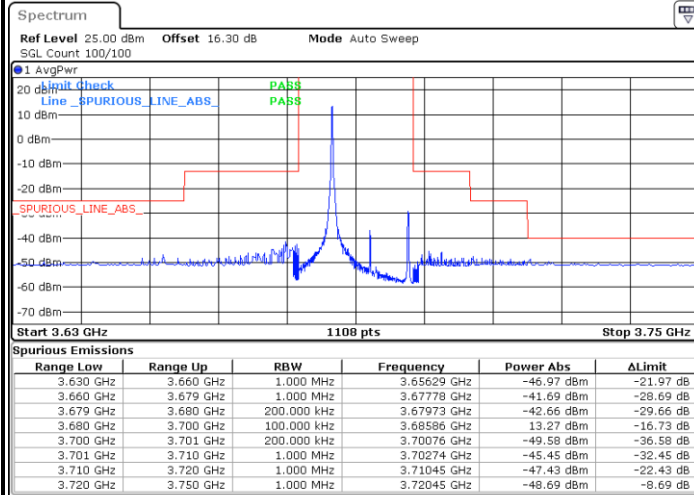
N/A



LTE Band 48 / 15MHz

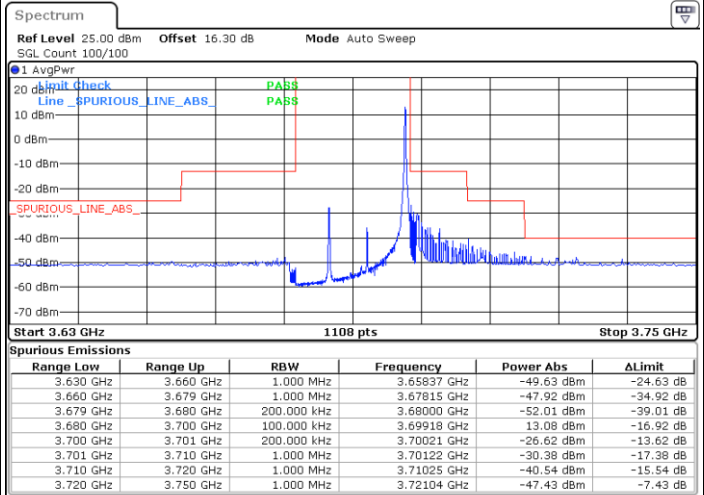
256QAM

Highest Channel / 1RB0



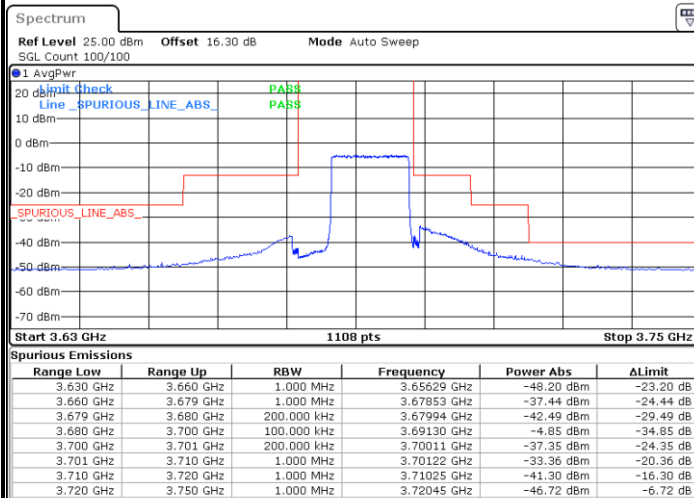
Date: 14.MAY.2022 17:08:08

Highest Channel / 1RBmax



Date: 14.MAY.2022 17:15:12

Highest Channel / FullIRB



Date: 14.MAY.2022 17:11:40

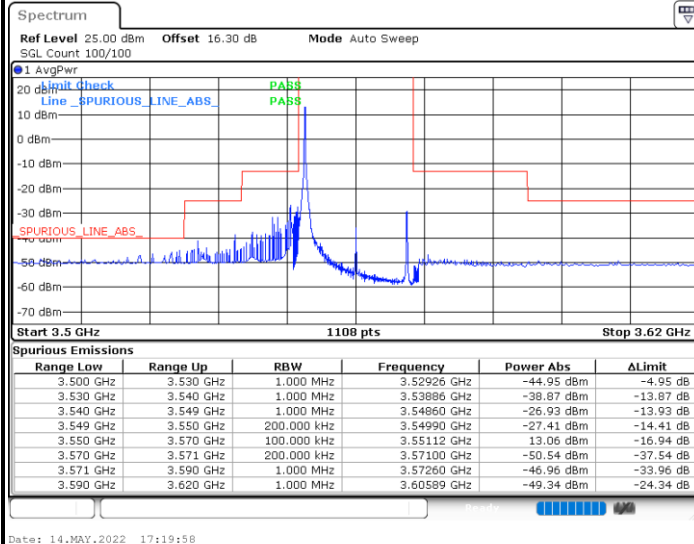
N/A



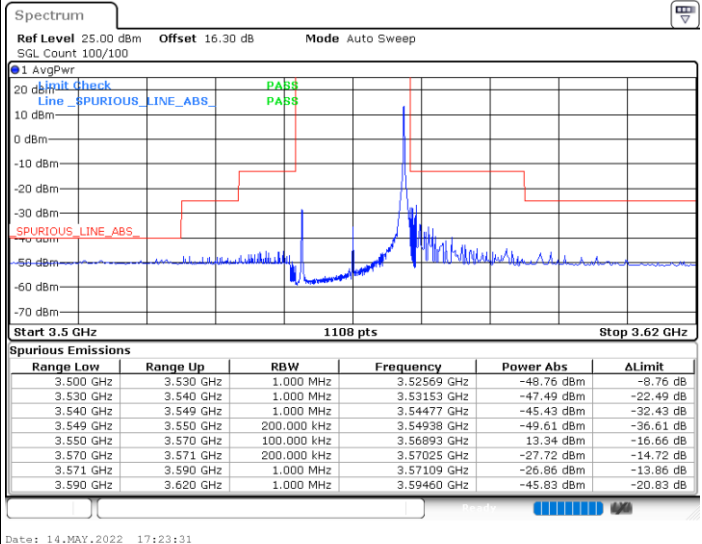
LTE Band 48 / 20MHz

256QAM

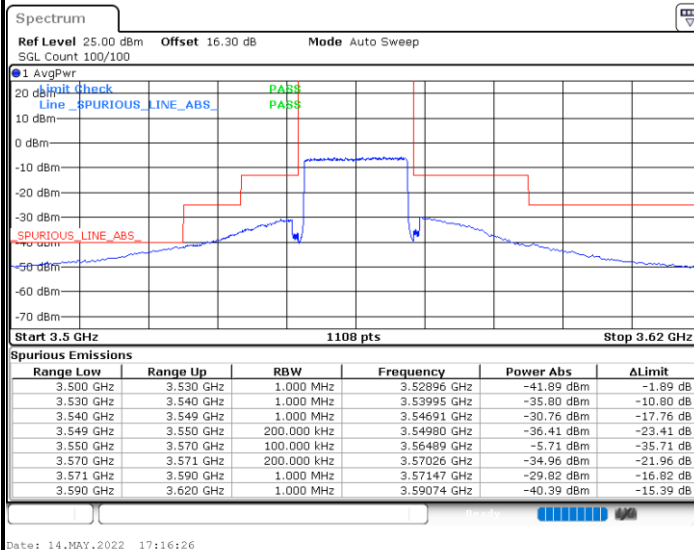
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB



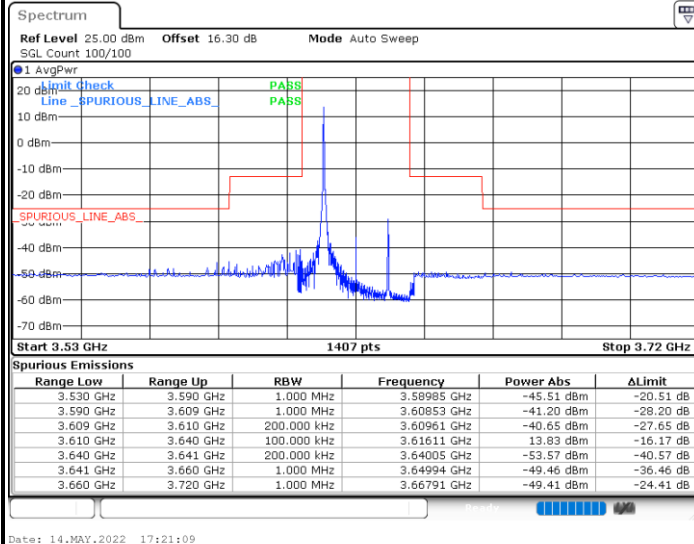
N/A



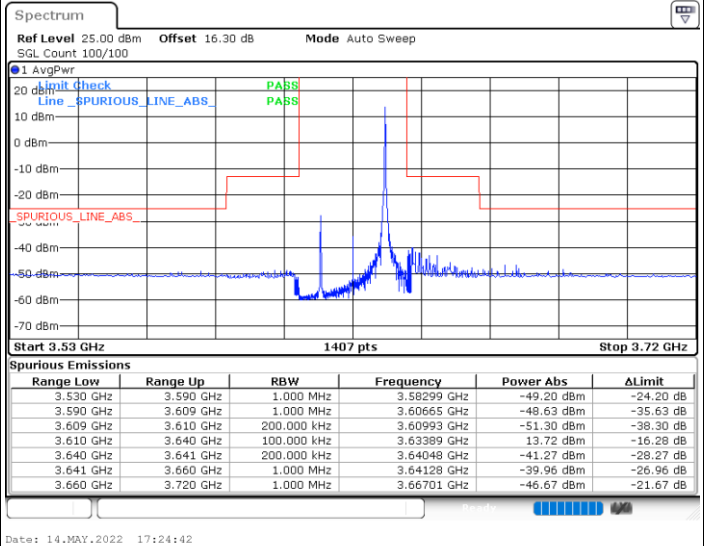
LTE Band 48 / 20MHz

256QAM

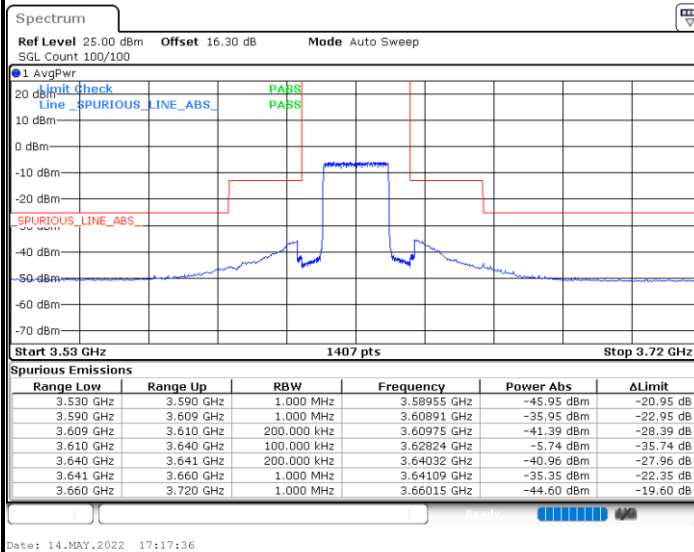
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB



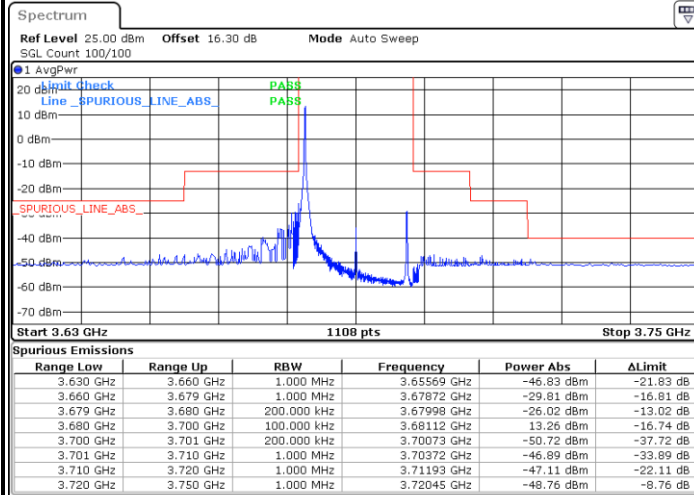
N/A



LTE Band 48 / 20MHz

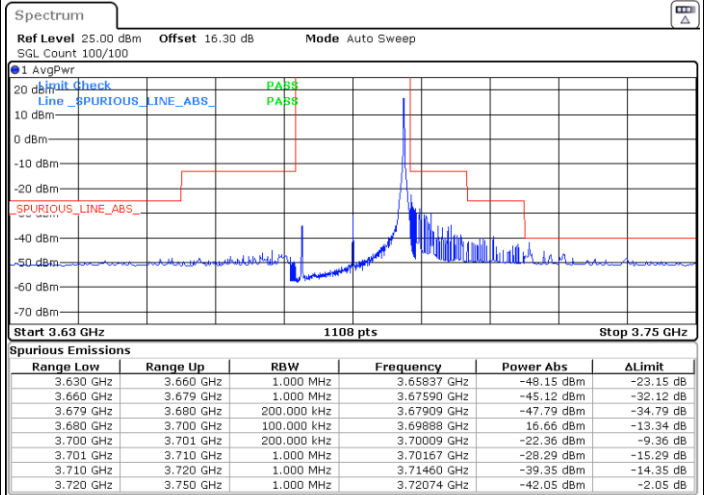
256QAM

Highest Channel / 1RB0



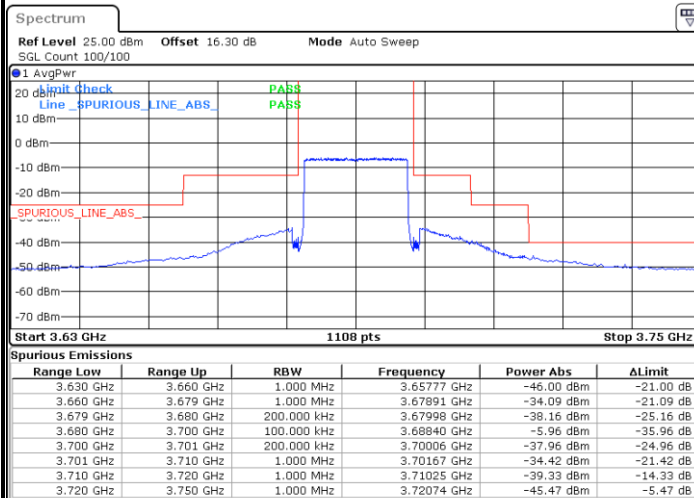
Date: 14.MAY.2022 17:22:20

Highest Channel / 1RBmax



Date: 4.JUN.2022 02:03:01

Highest Channel / FullIRB



Date: 14.MAY.2022 17:18:47

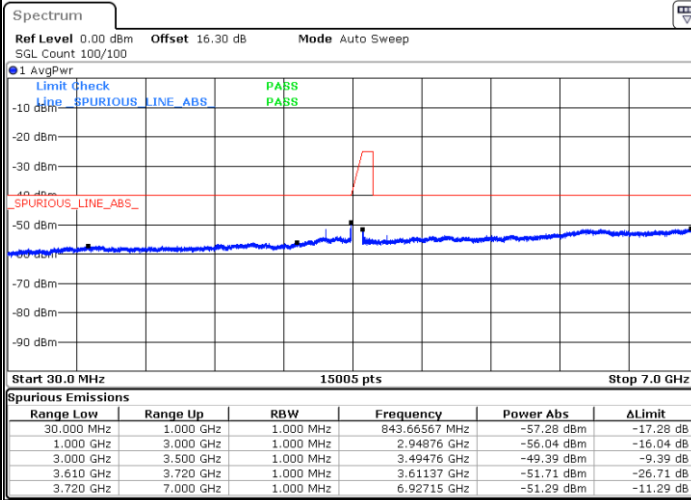
N/A



Conducted Spurious Emission

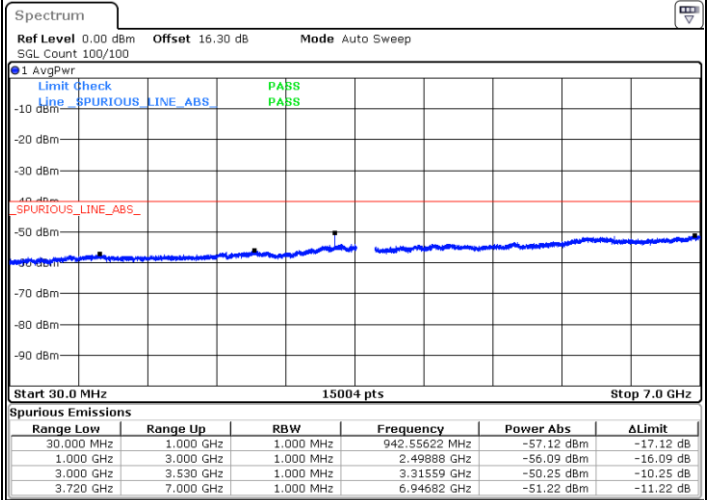
LTE Band 48 / 5MHz

Lowest Channel / QPSK



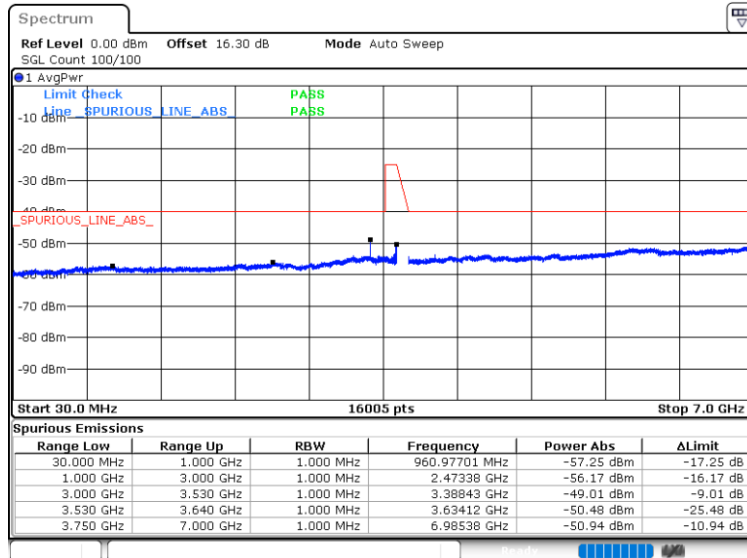
Date: 14.MAY.2022 16:28:17

Middle Channel / QPSK



Date: 14.MAY.2022 16:29:37

Highest Channel / QPSK

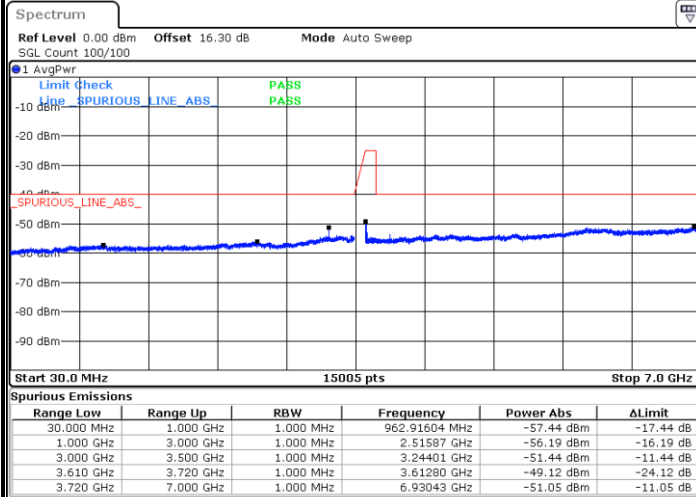


Date: 14.MAY.2022 16:30:58

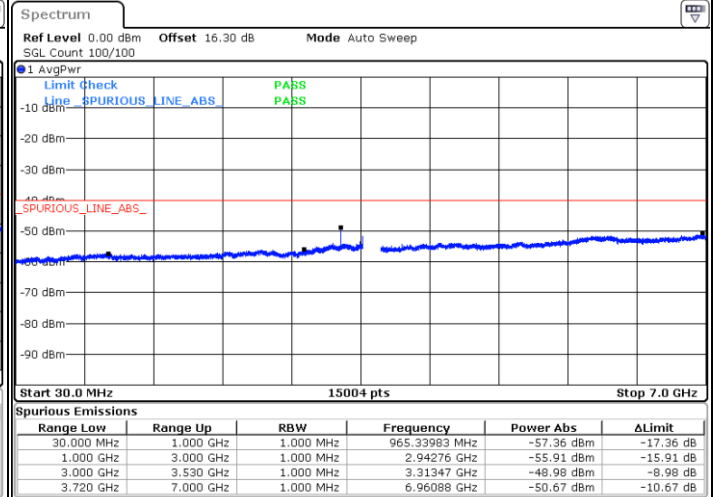


LTE Band 48 / 10MHz

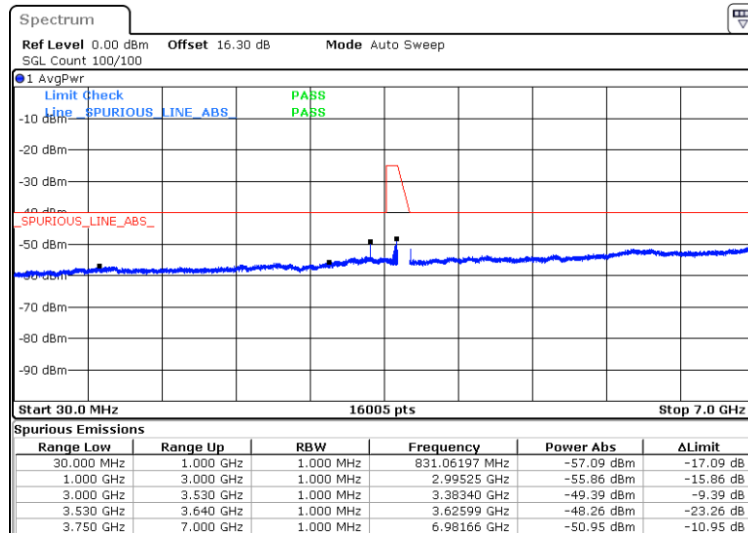
Lowest Channel / QPSK



Middle Channel / QPSK



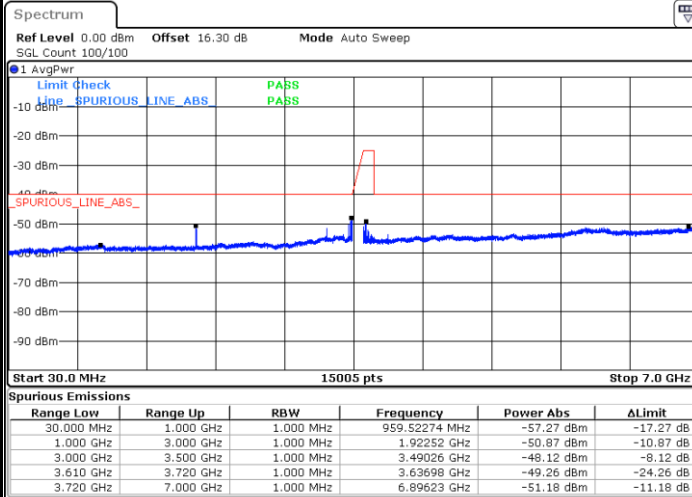
Highest Channel / QPSK





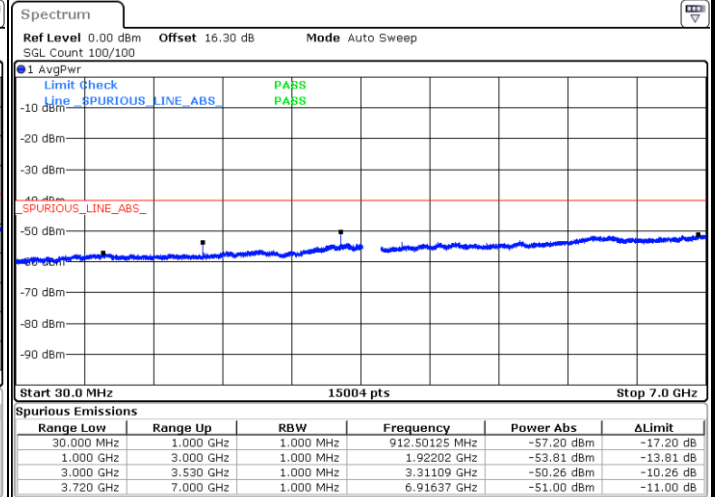
LTE Band 48 / 15MHz

Lowest Channel / QPSK



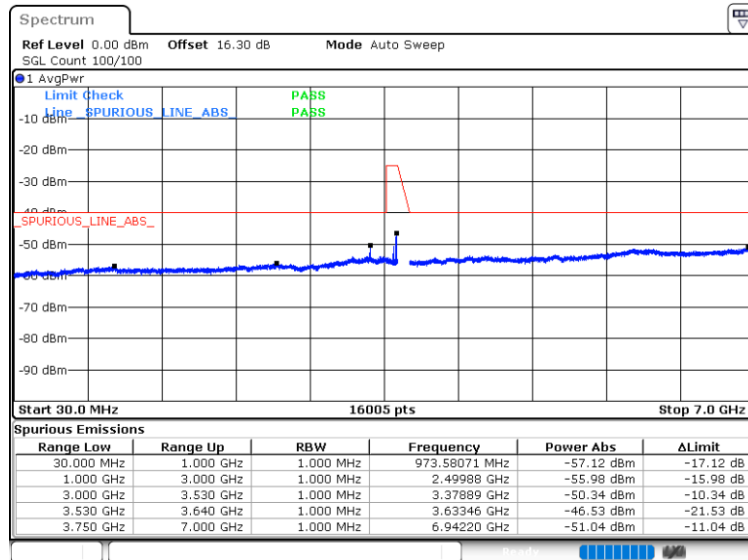
Date: 14.MAY.2022 16:36:25

Middle Channel / QPSK



Date: 14.MAY.2022 16:37:46

Highest Channel / QPSK

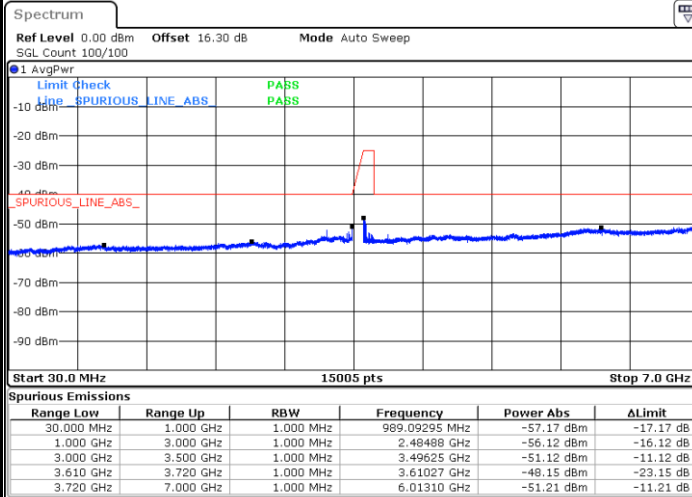


Date: 14.MAY.2022 16:39:06

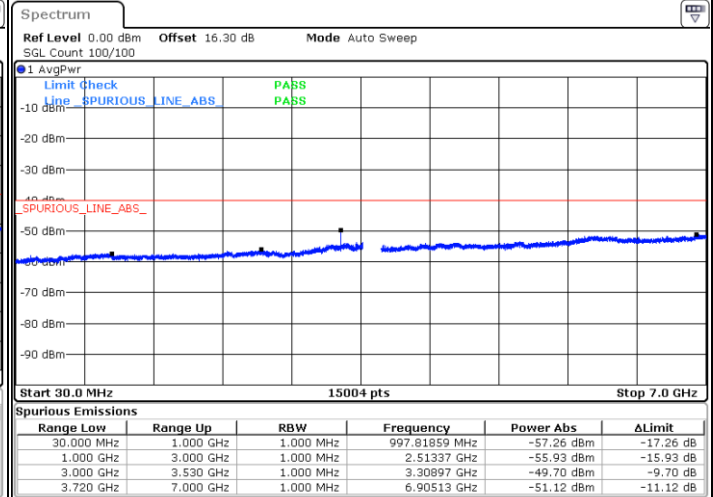


LTE Band 48 / 20MHz

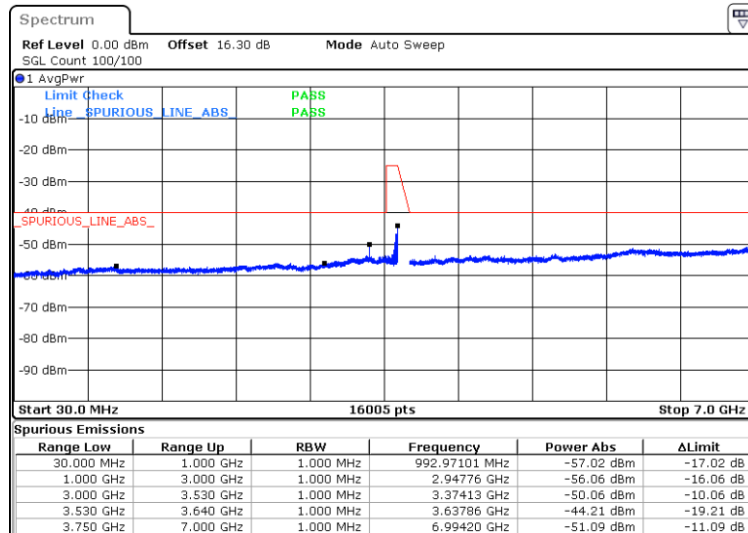
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



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	0.0006	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0034	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0006	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage = 4.05 V. ; Battery End Point (ACLRP) = 3.85 V. ; Maximum Voltage = 4.35 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	24.73	29.97	34.76	24.93
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	35.11	39.72	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.93	29.67	34.90	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.76	39.96	-

Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.68	29.91	34.69	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.76	39.72	-

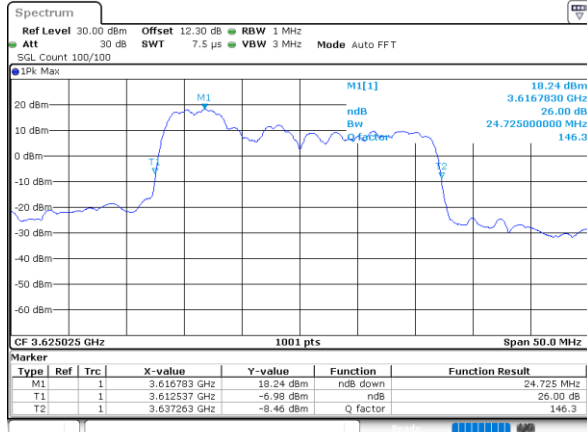
Mode	LTE Band 48C : 26dB BW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.73	29.79	34.62	24.98
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.85	34.83	39.80	-



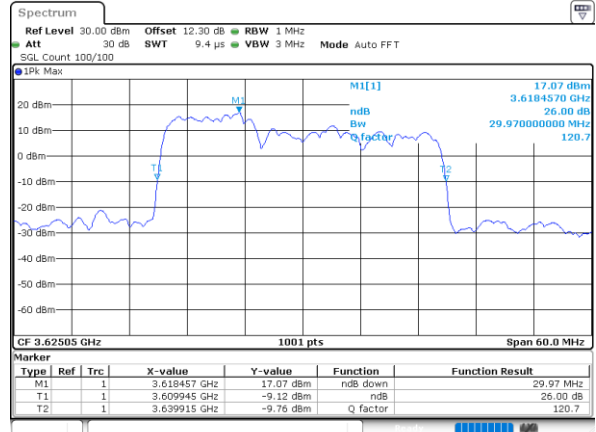
LTE Band 48C

QPSK

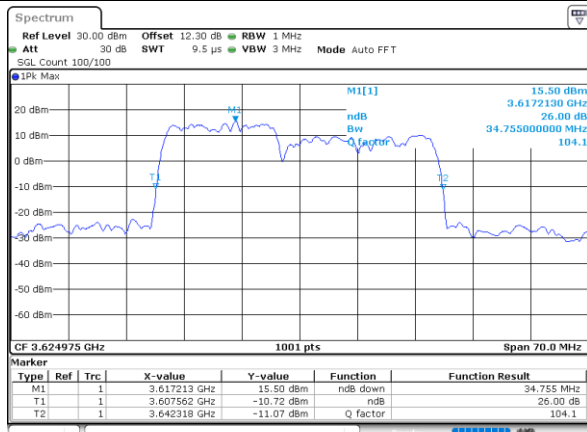
Middle Channel / 5MHz+20MHz



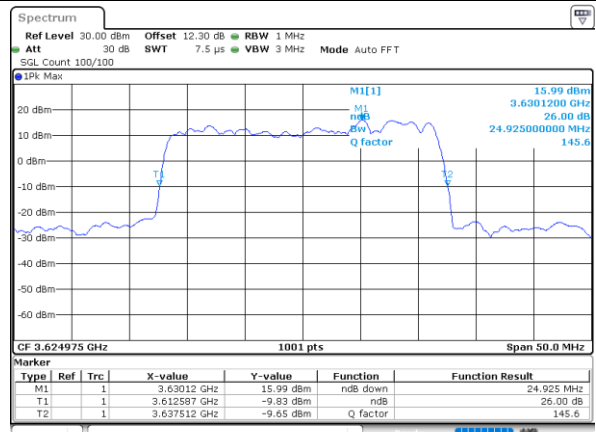
Middle Channel / 10MHz+20MHz



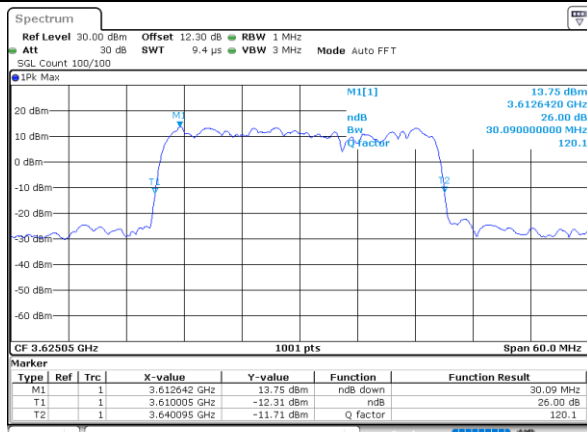
Middle Channel / 15MHz+20MHz



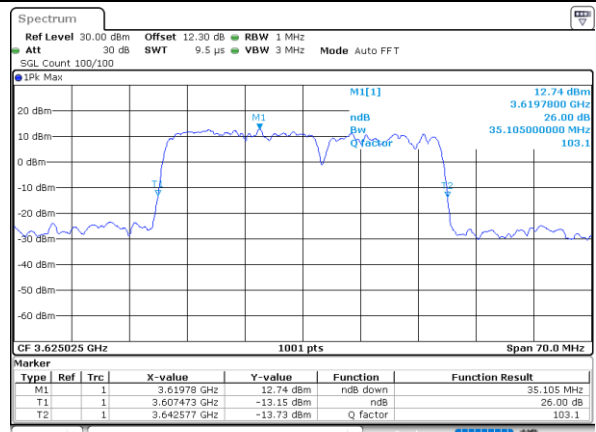
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



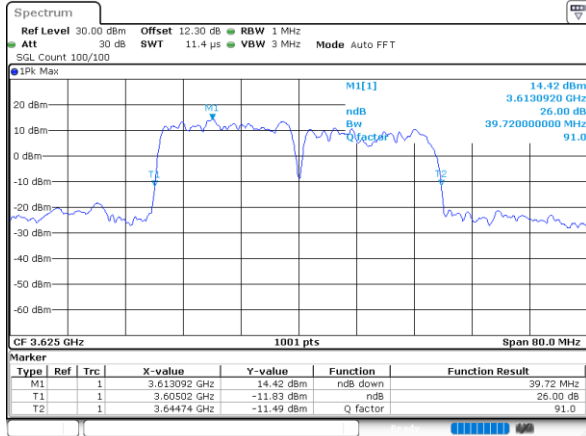


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



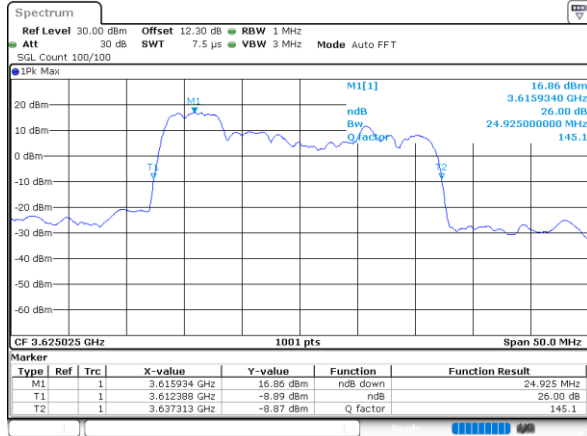
Date: 20.MAY.2022 01:38:19



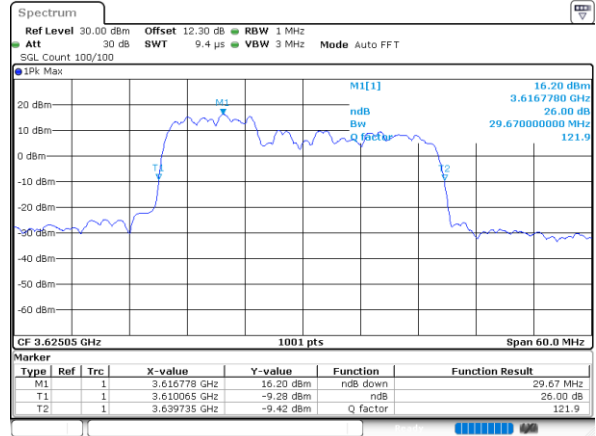
LTE Band 48C

16QAM

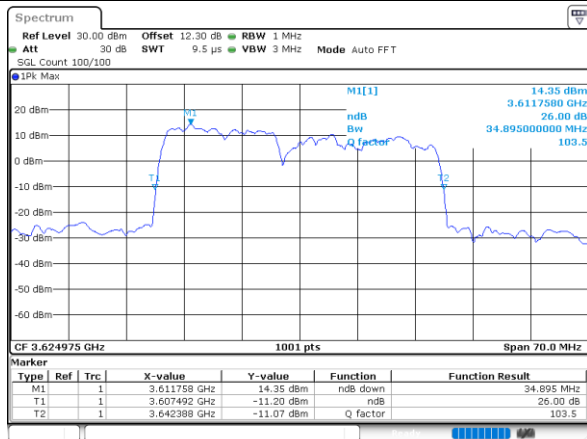
Middle Channel / 5MHz+20MHz



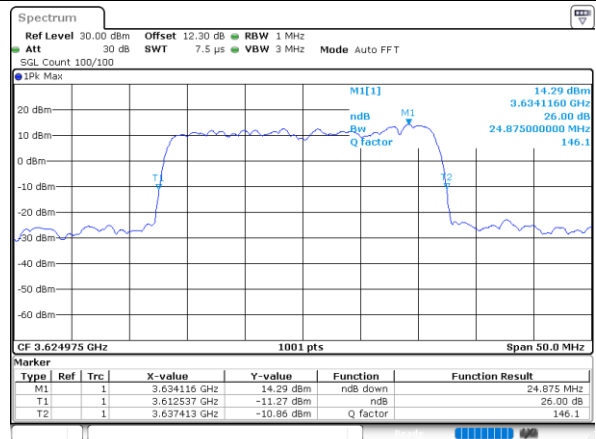
Middle Channel / 10MHz+20MHz



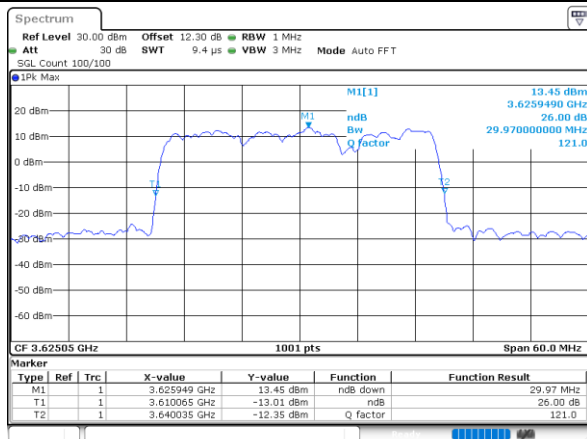
Middle Channel / 15MHz+20MHz



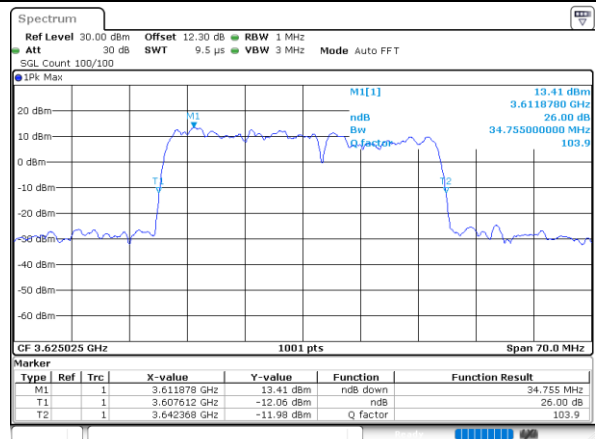
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



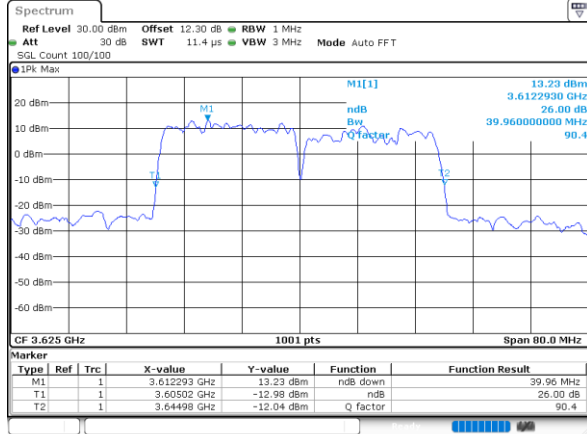


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



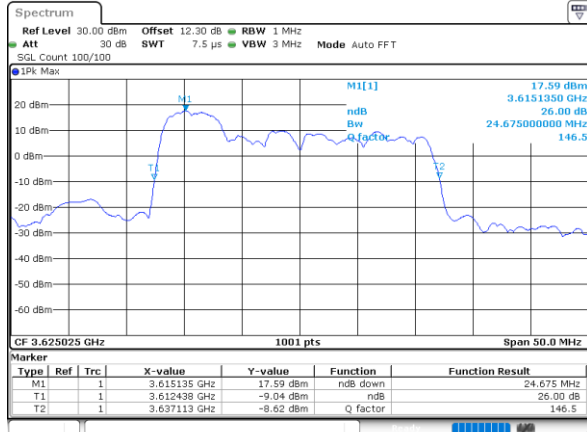
Date: 20.MAY.2022 01:37:17



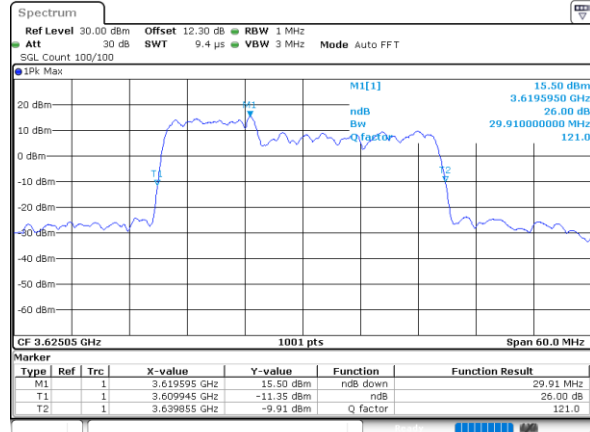
LTE Band 48C

64QAM

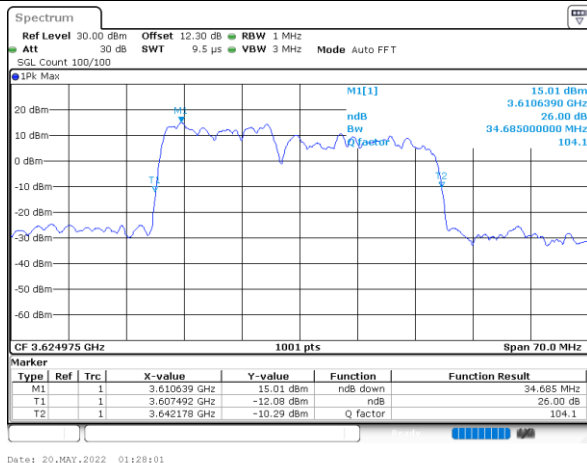
Middle Channel / 5MHz+20MHz



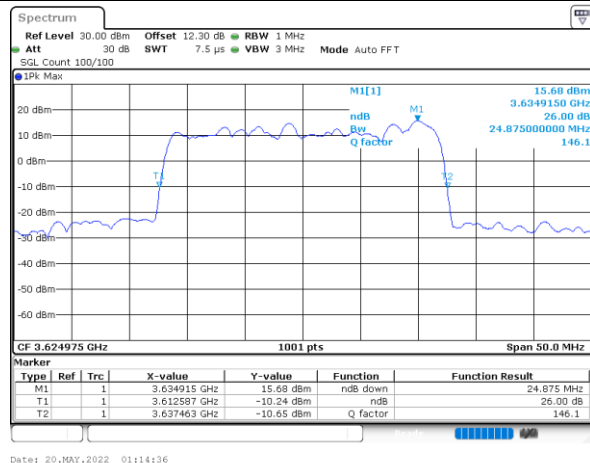
Middle Channel / 10MHz+20MHz



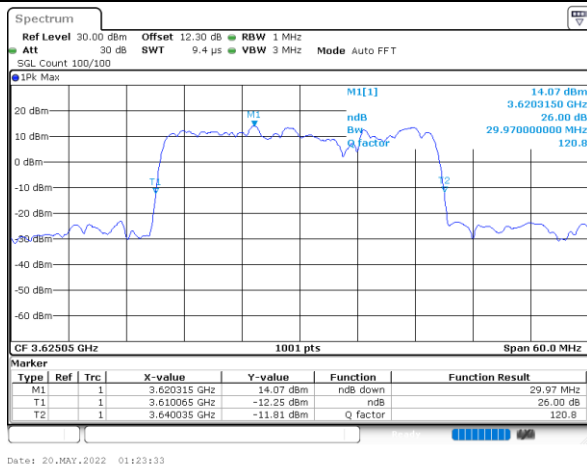
Middle Channel / 15MHz+20MHz



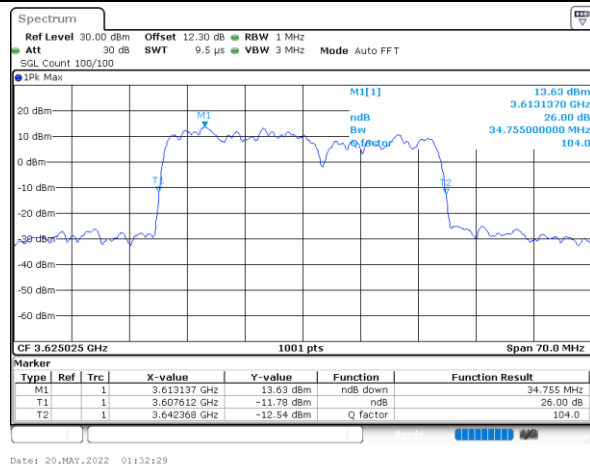
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



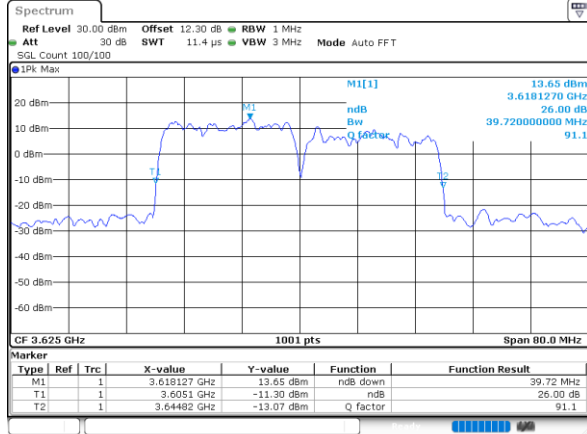


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A



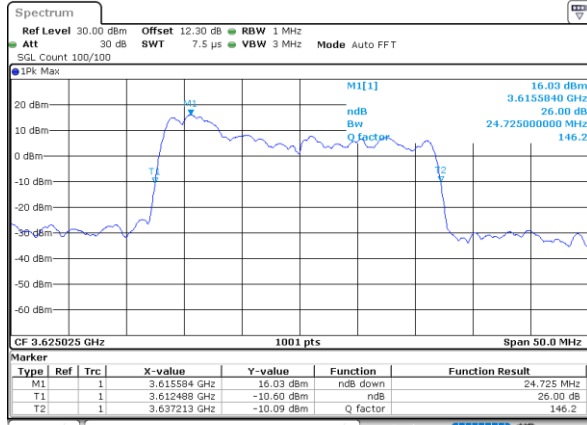
Date: 20, MAY, 2022 01:36:46



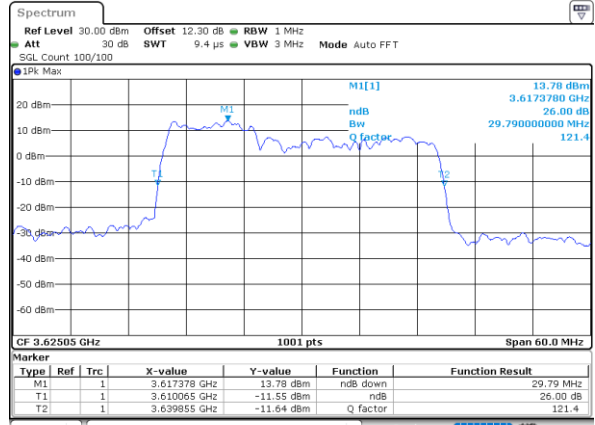
LTE Band 48C

256QAM

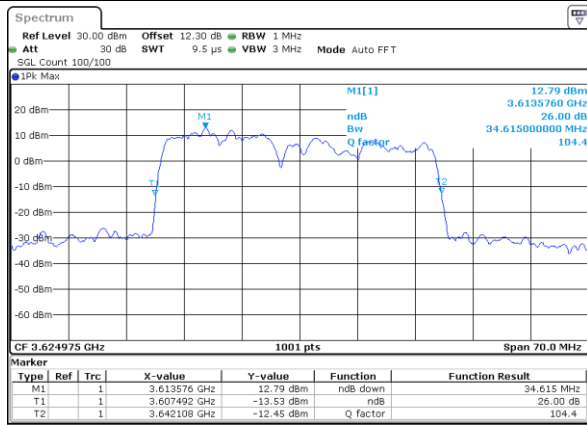
Middle Channel / 5MHz+20MHz



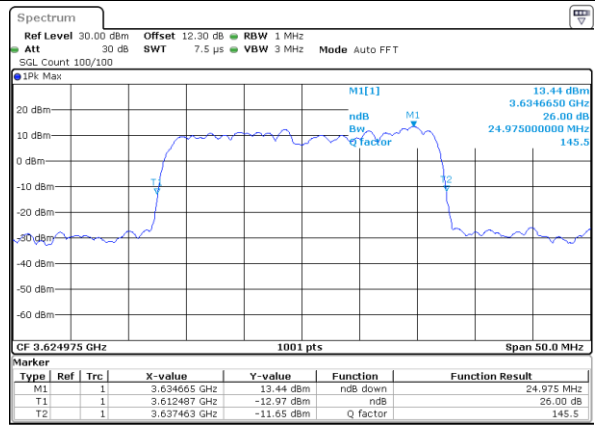
Middle Channel / 10MHz+20MHz



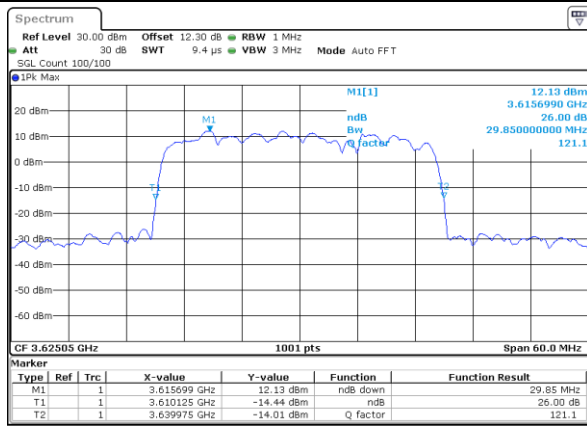
Middle Channel / 15MHz+20MHz



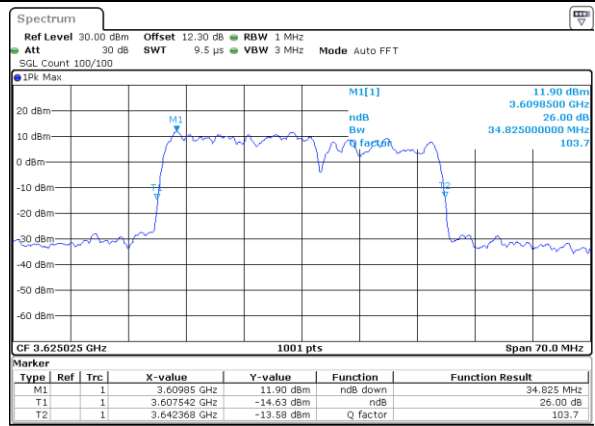
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



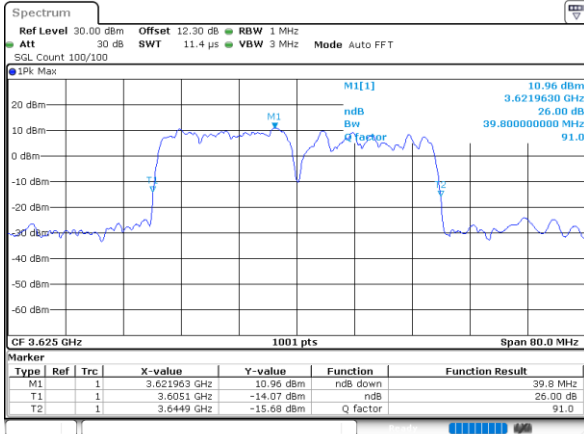


LTE Band 48C

256QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 20, MAY, 2022 01:37:48

Occupied Bandwidth

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.08	27.99	32.59	23.23
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	32.80	37.56	-

Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.23	27.81	32.87	23.33
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.81	32.66	37.48	-

Mode	LTE Band 48C : 99%OBW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.18	28.17	32.66	23.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.73	37.48	-

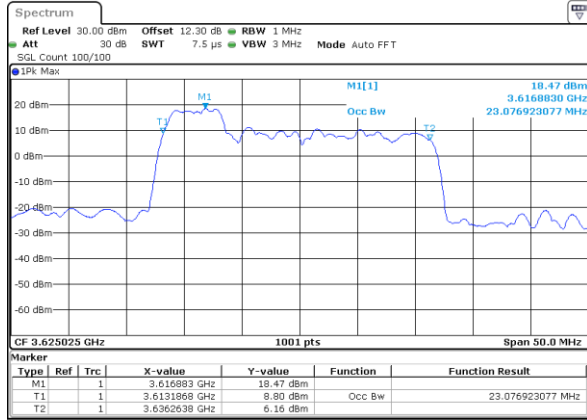
Mode	LTE Band 48C : 99%OBW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.43	27.63	32.66	23.23
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.57	32.87	37.56	-



LTE Band 48C

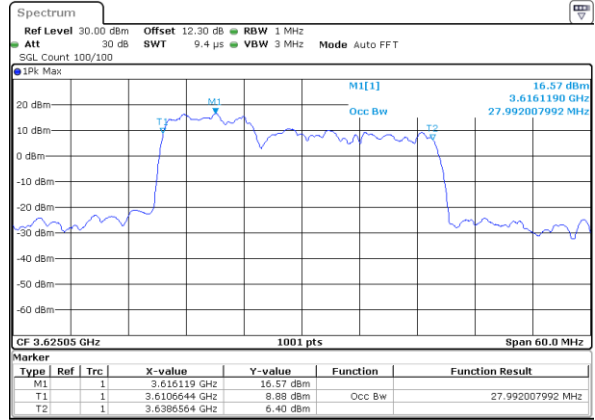
QPSK

Middle Channel / 5MHz+20MHz



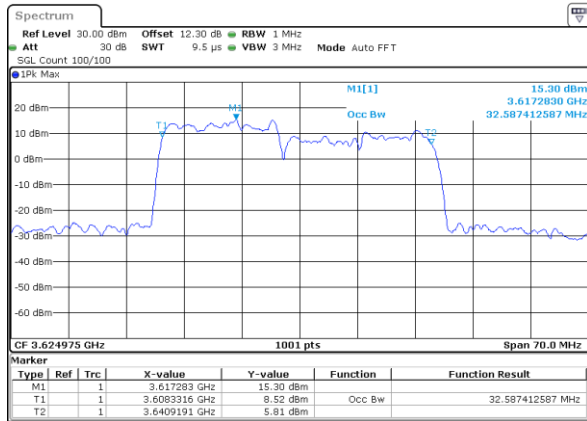
Date: 20.MAY.2022 01:07:56

Middle Channel / 10MHz+20MHz



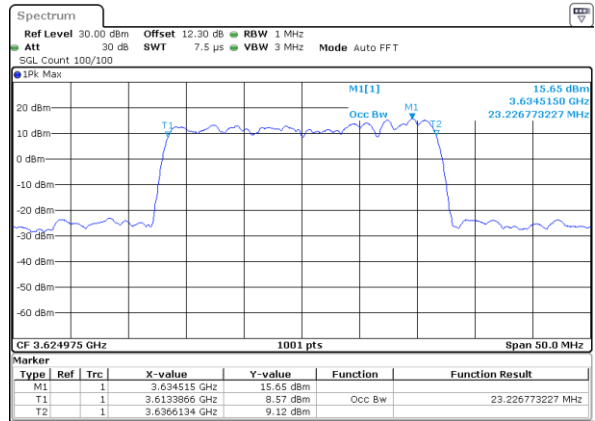
Date: 20.MAY.2022 01:16:52

Middle Channel / 15MHz+20MHz



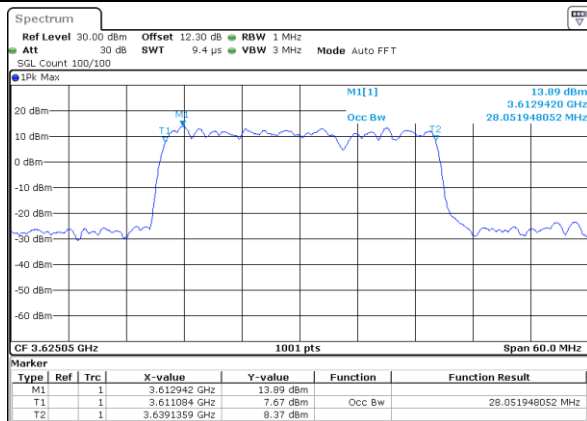
Date: 20.MAY.2022 01:25:49

Middle Channel / 20MHz+5MHz



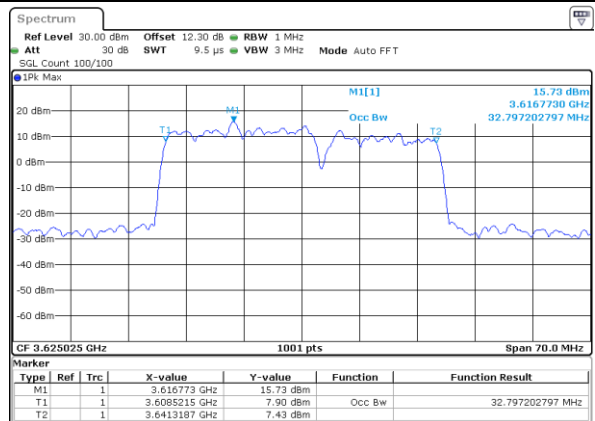
Date: 20.MAY.2022 01:12:24

Middle Channel / 20MHz+10MHz



Date: 20.MAY.2022 01:21:20

Middle Channel / 20MHz+15MHz



Date: 20.MAY.2022 01:30:17

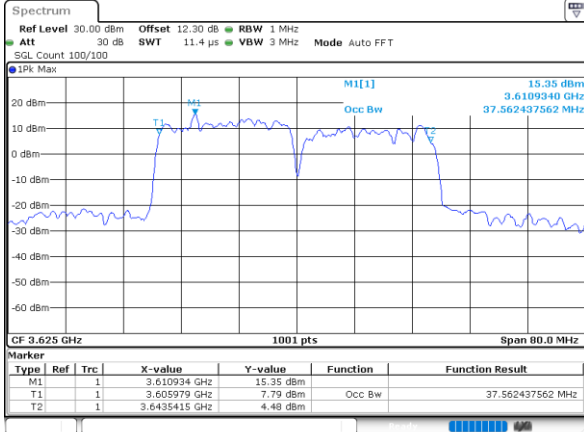


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A

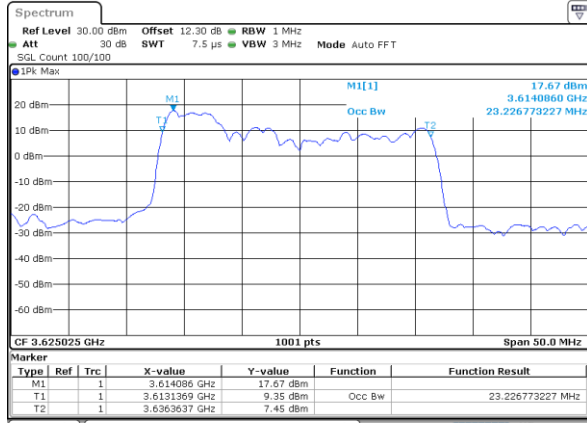




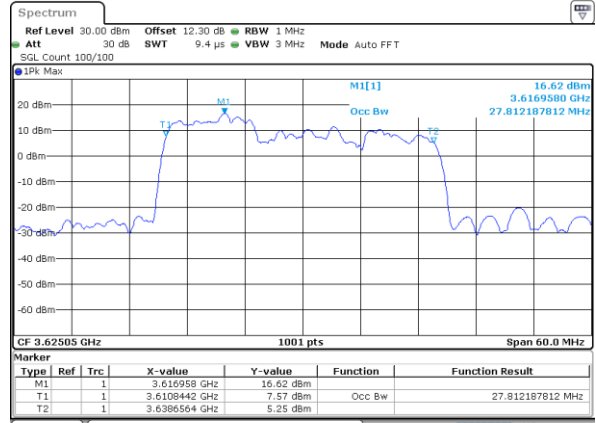
LTE Band 48C

16QAM

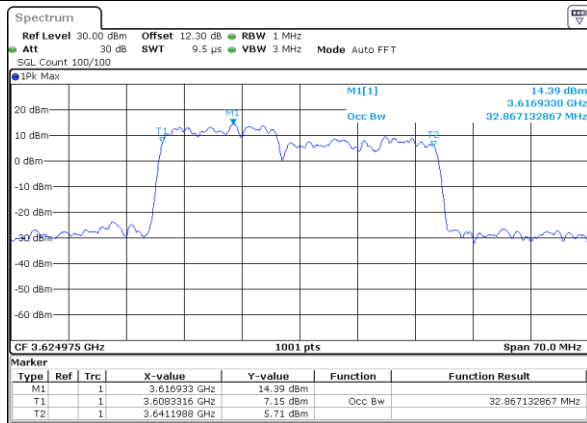
Middle Channel / 5MHz+20MHz



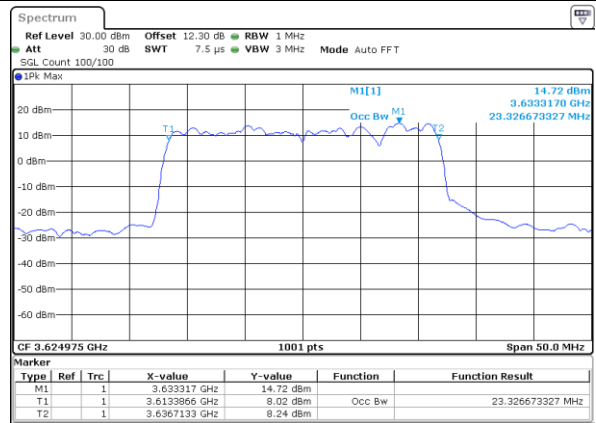
Middle Channel / 10MHz+20MHz



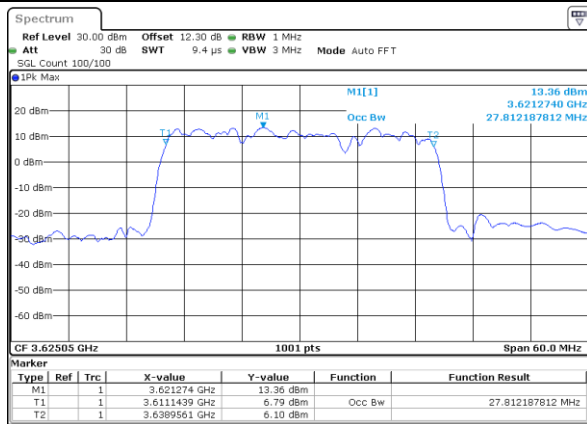
Middle Channel / 15MHz+20MHz



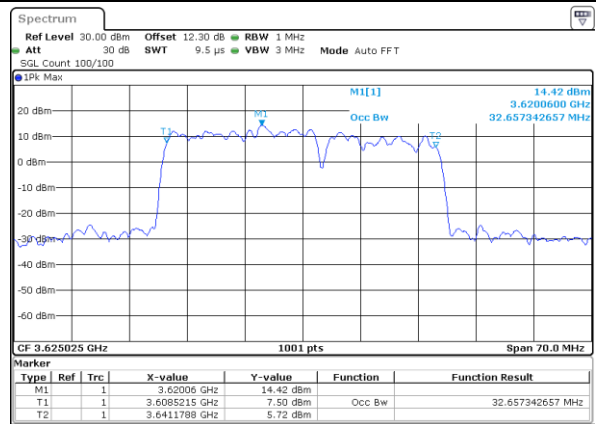
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



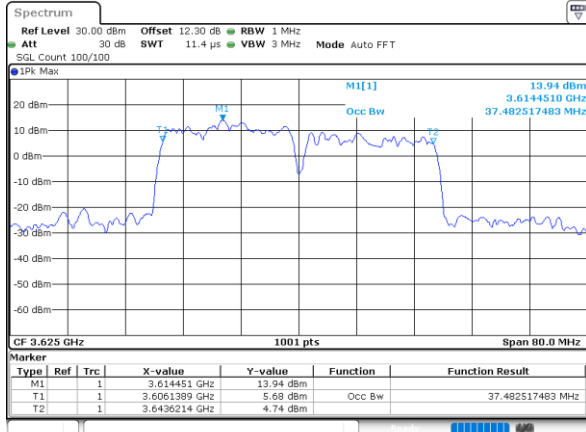


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



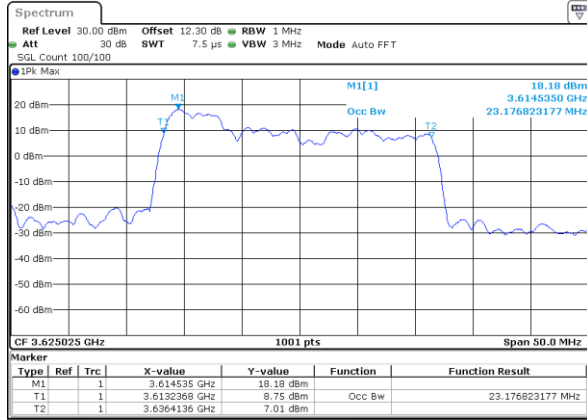
Date: 20.MAY.2022 01:35:13



LTE Band 48C

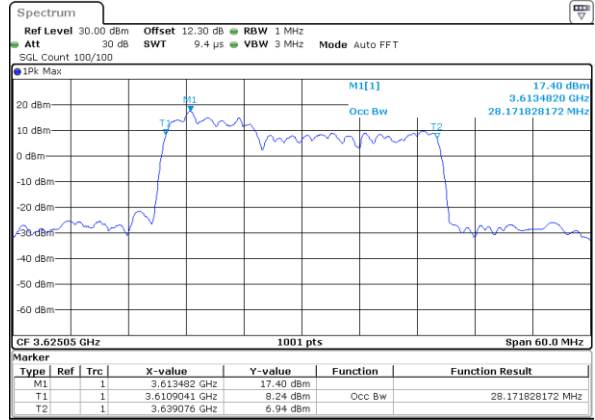
64QAM

Middle Channel / 5MHz+20MHz



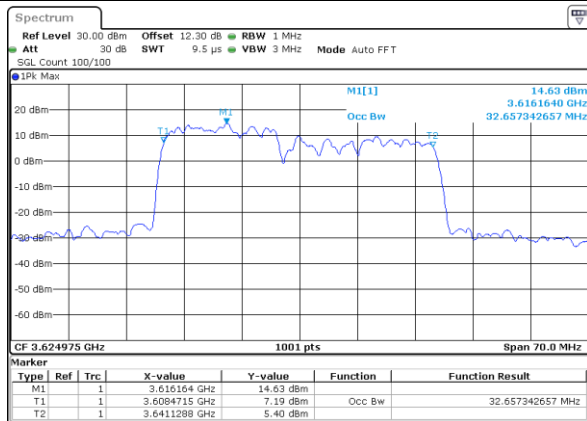
Date: 20.MAY.2022 01:09:02

Middle Channel / 10MHz+20MHz



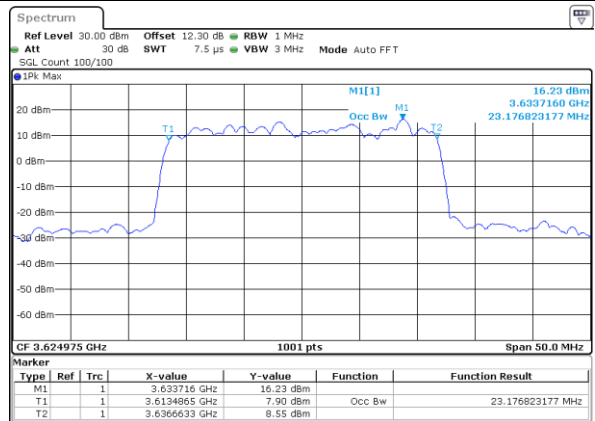
Date: 20.MAY.2022 01:17:58

Middle Channel / 15MHz+20MHz



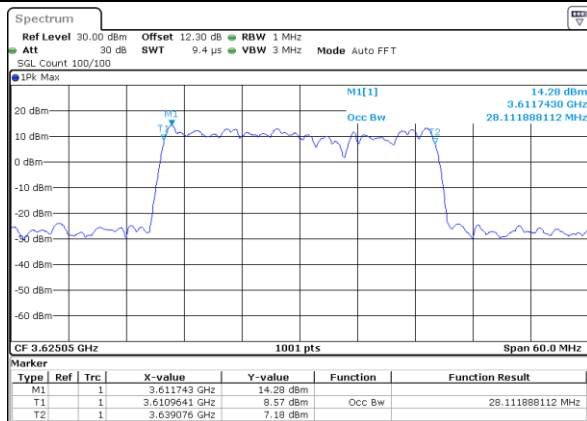
Date: 20.MAY.2022 01:26:55

Middle Channel / 20MHz+5MHz



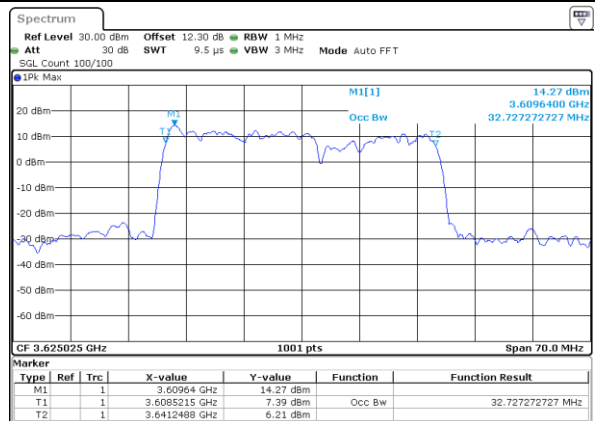
Date: 20.MAY.2022 01:13:30

Middle Channel / 20MHz+10MHz



Date: 20.MAY.2022 01:22:27

Middle Channel / 20MHz+15MHz



Date: 20.MAY.2022 01:31:23

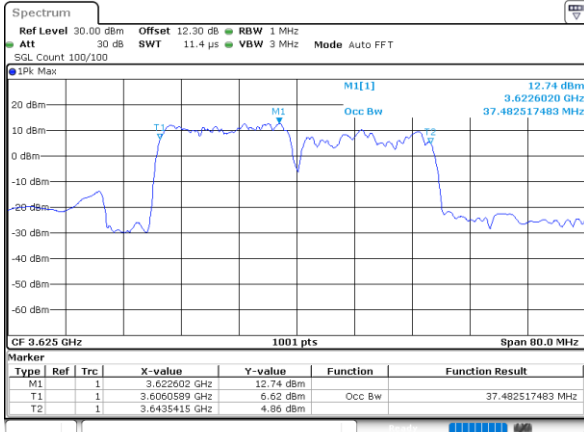


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A



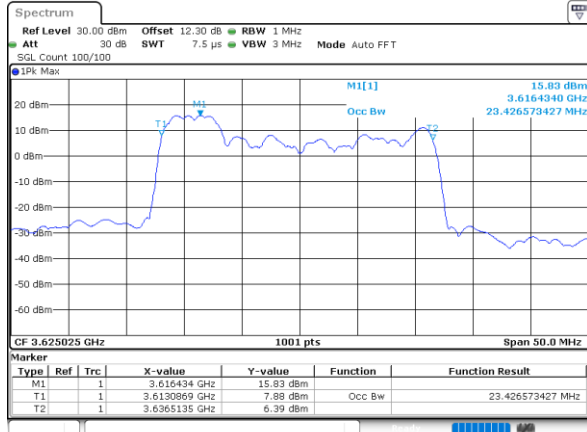
Date: 20.MAY.2022 01:35:44



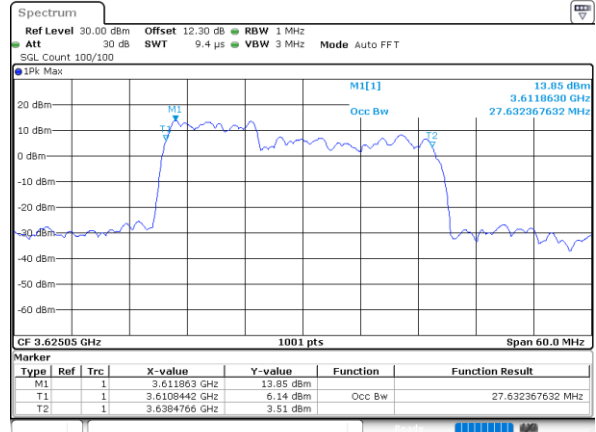
LTE Band 48C

256QAM

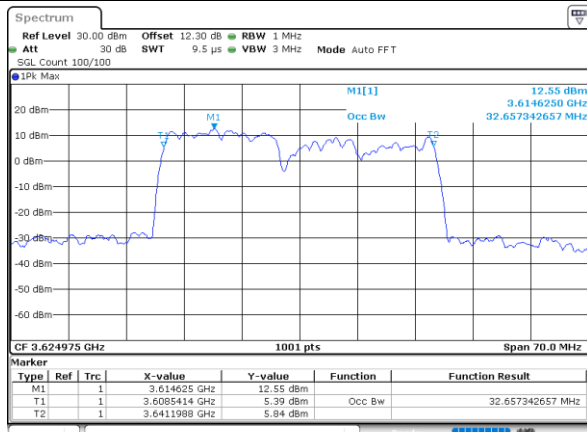
Middle Channel / 5MHz+20MHz



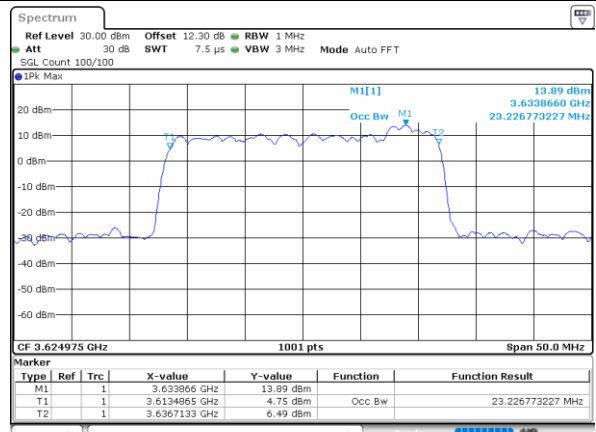
Middle Channel / 10MHz+20MHz



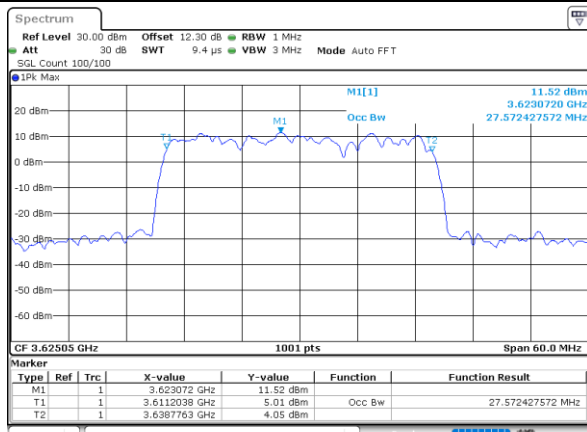
Middle Channel / 15MHz+20MHz



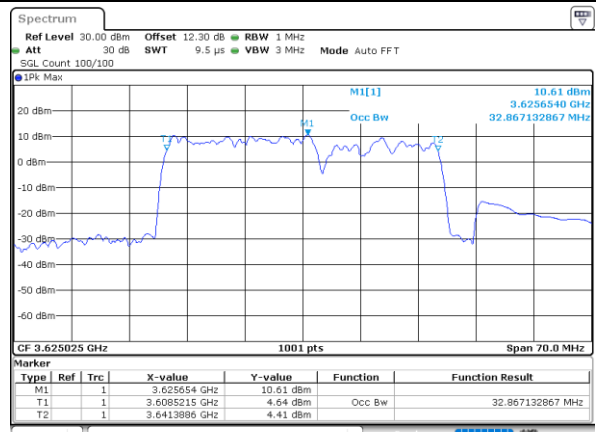
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



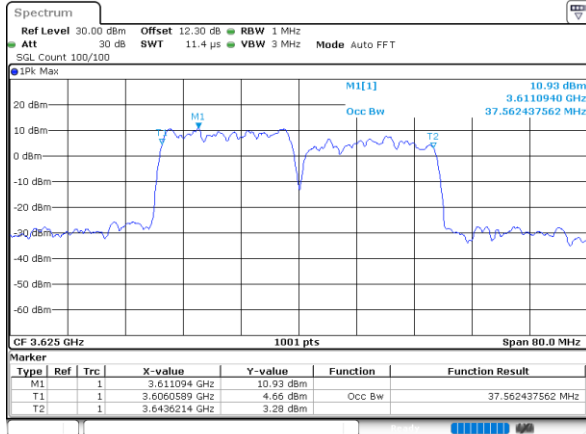


LTE Band 48C

256QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 20.MAY.2022 01:36:15



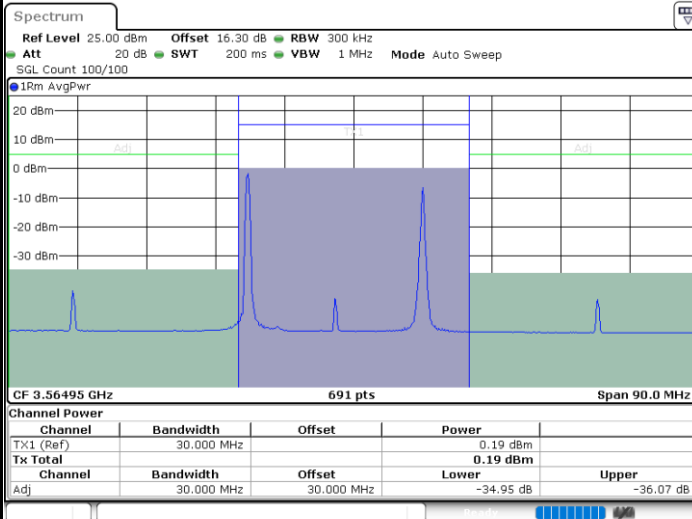
ACLR

LTE Band 48C / 5MHz+20MHz

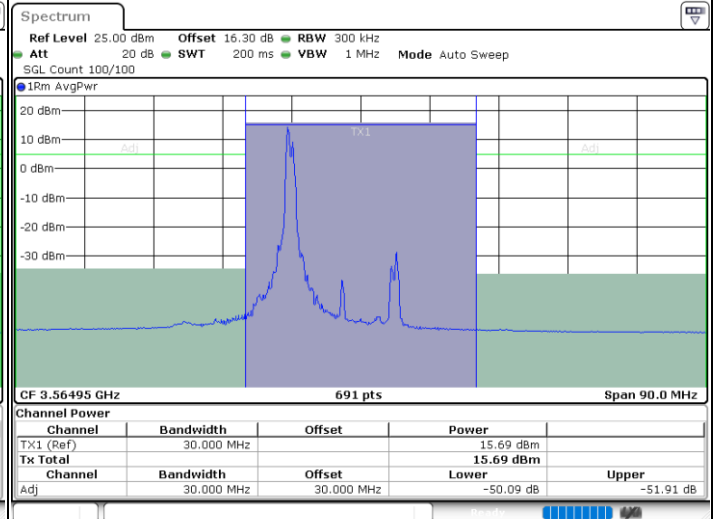
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



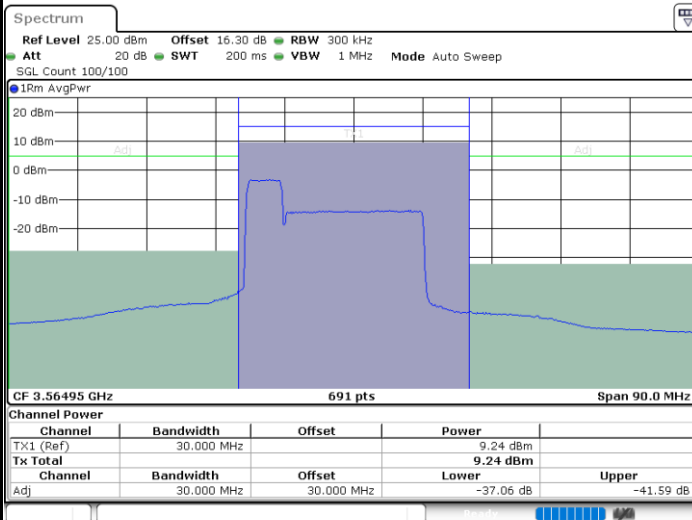
Date: 19.MAY.2022 19:31:57



Date: 19.MAY.2022 19:32:48

Lowest Channel / FullRB

N/A



Date: 19.MAY.2022 19:27:36

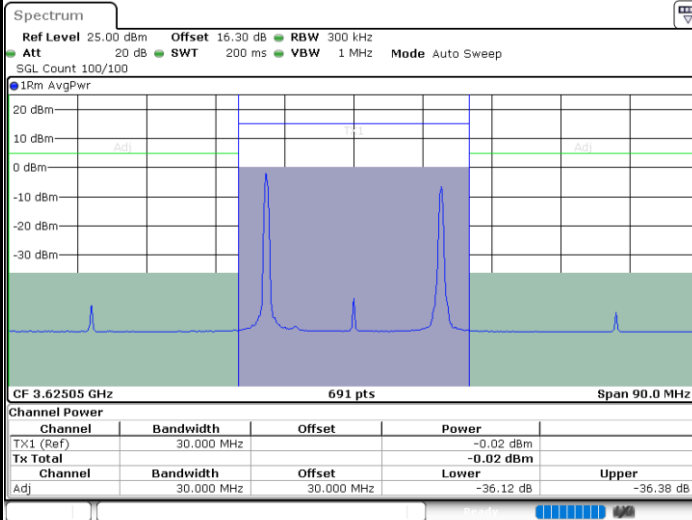


LTE Band 48C / 5MHz+20MHz

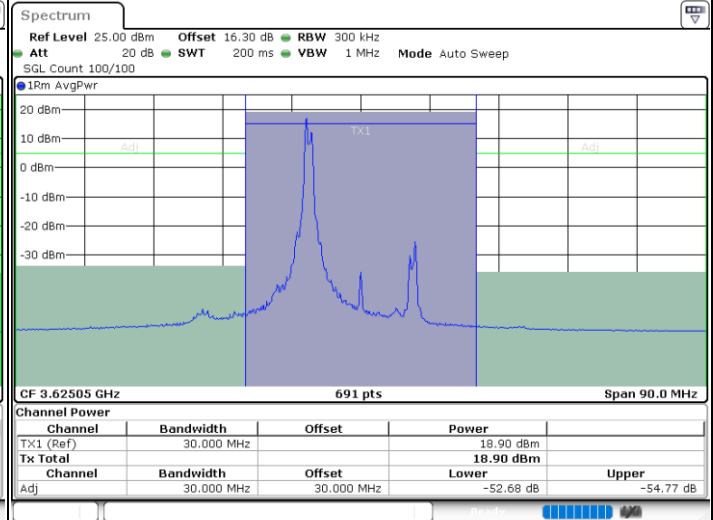
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



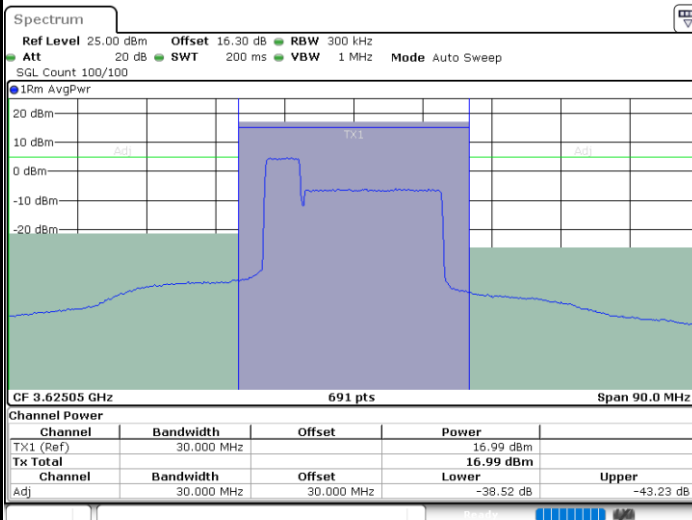
Date: 19.MAY.2022 19:39:48



Date: 19.MAY.2022 19:40:40

Middle Channel / FullRB

N/A



Date: 19.MAY.2022 19:35:29