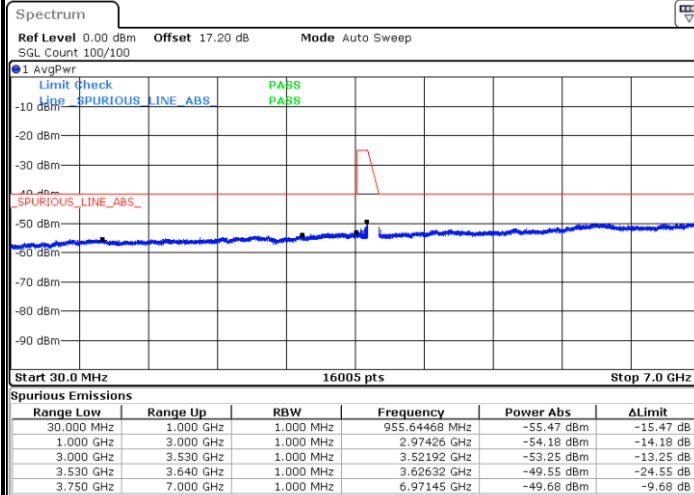




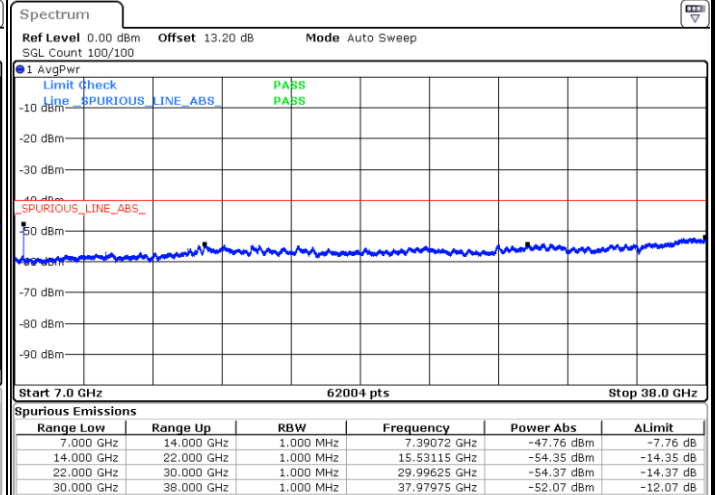
LTE Band 48 / 5MHz

Highest Channel / QPSK



Date: 27.JAN.2022 00:27:25

Highest Channel / QPSK

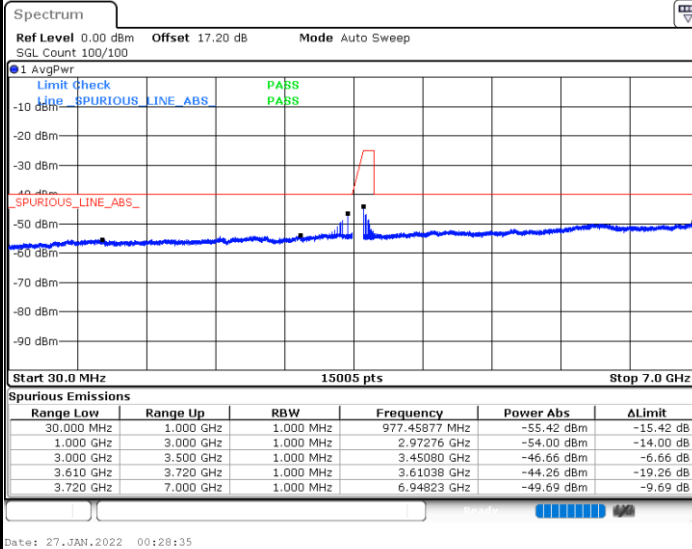


Date: 27.JAN.2022 02:08:57

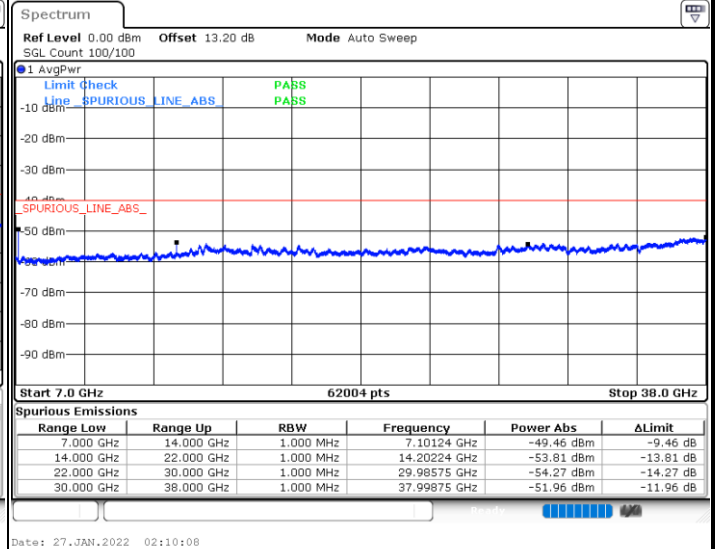


LTE Band 48 / 10MHz

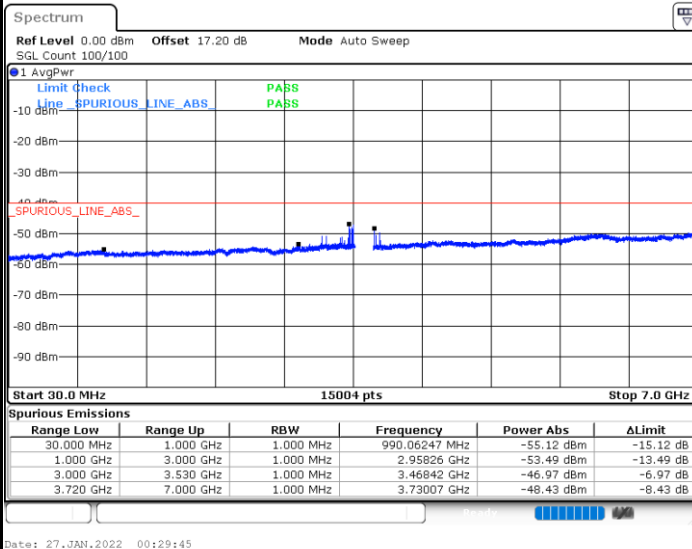
Lowest Channel / QPSK



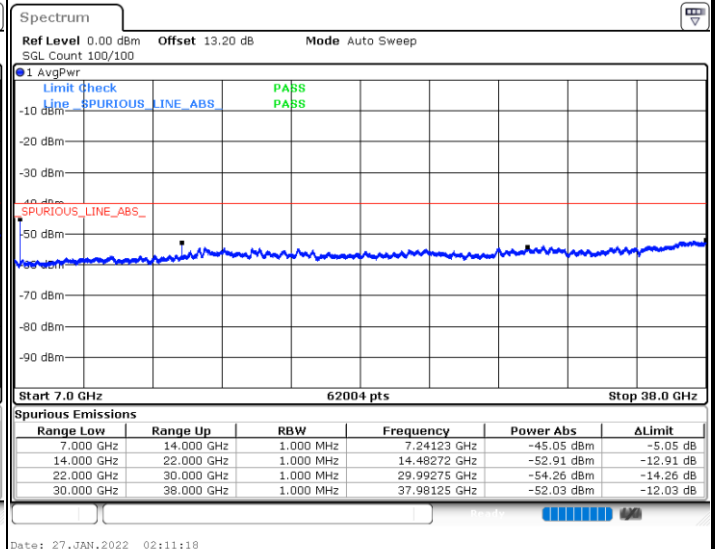
Lowest Channel / QPSK



Middle Channel / QPSK



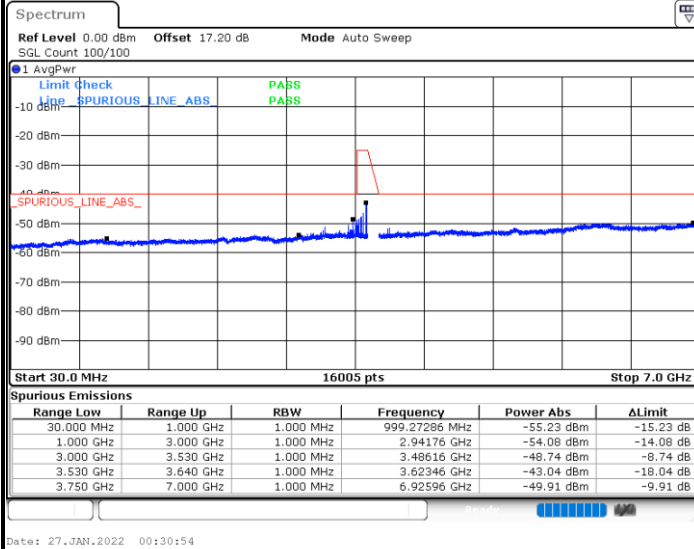
Middle Channel / QPSK



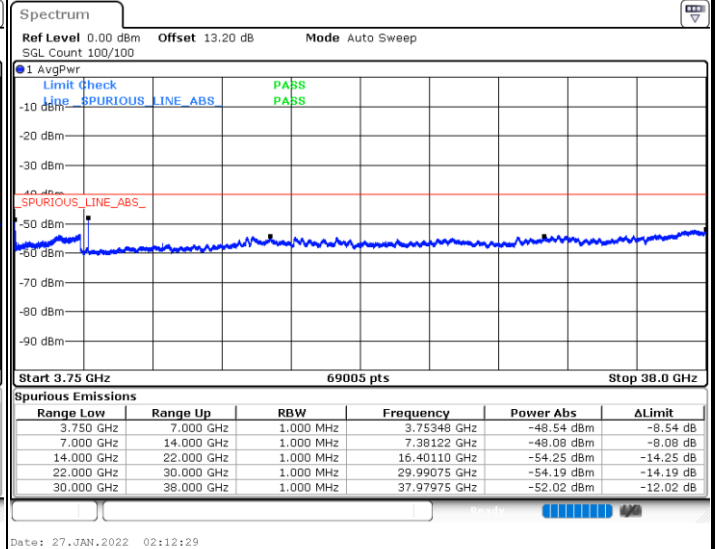


LTE Band 48 / 10MHz

Highest Channel / QPSK



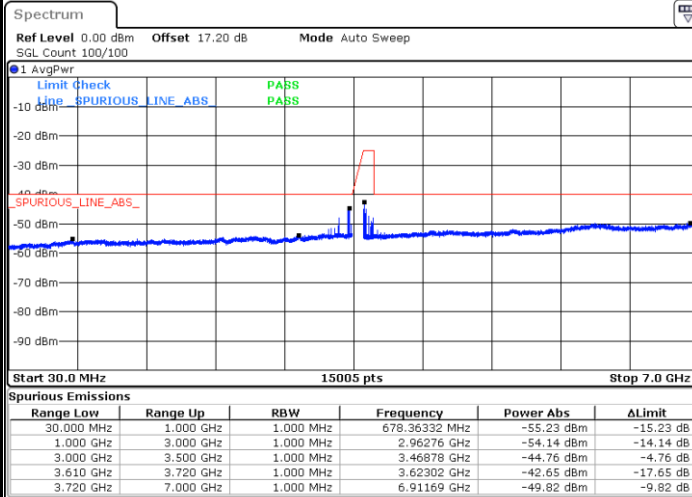
Highest Channel / QPSK





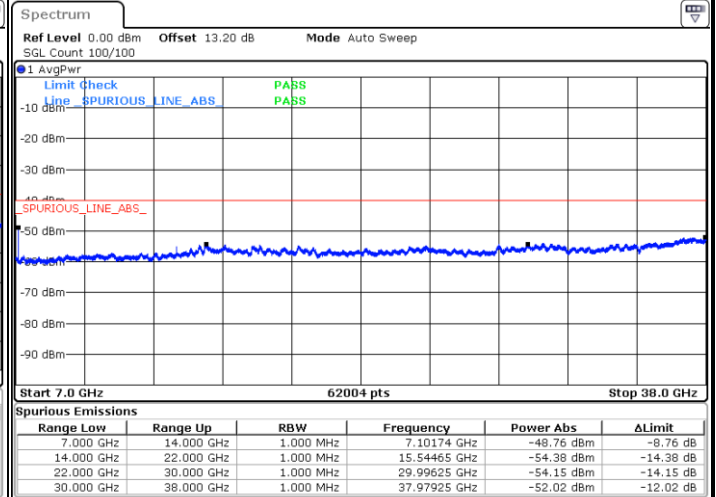
LTE Band 48 / 15MHz

Lowest Channel / QPSK



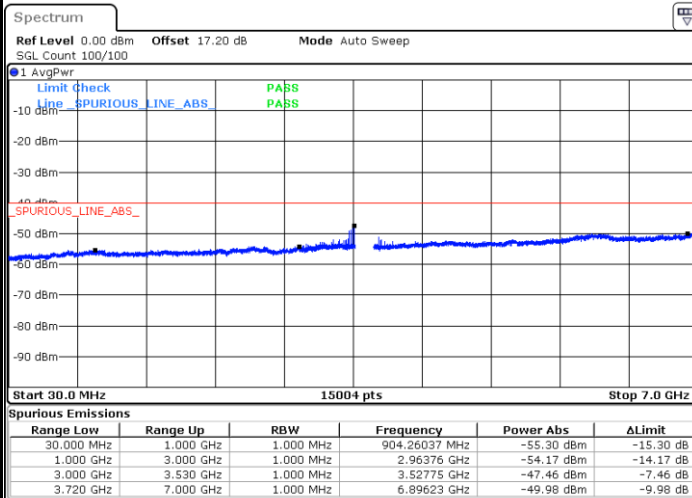
Date: 27.JAN.2022 00:32:05

Lowest Channel / QPSK



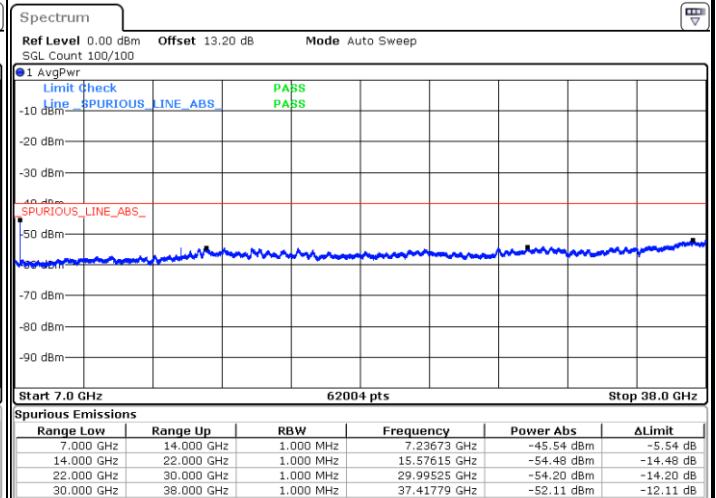
Date: 27.JAN.2022 02:13:40

Middle Channel / QPSK



Date: 27.JAN.2022 00:33:14

Middle Channel / QPSK

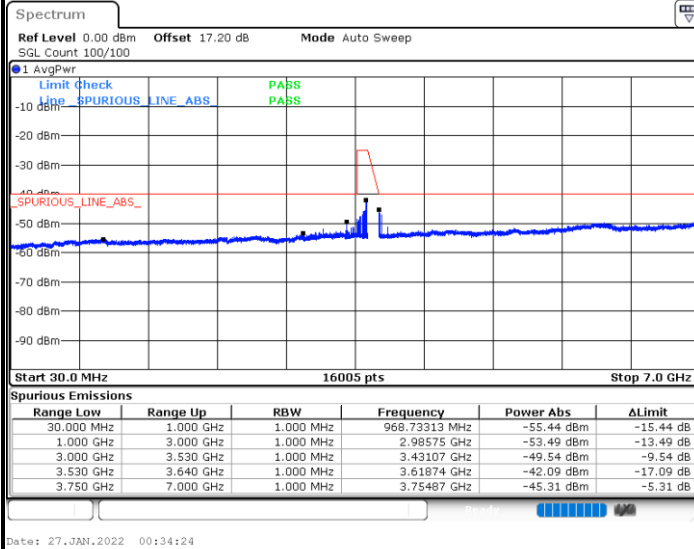


Date: 27.JAN.2022 02:14:50

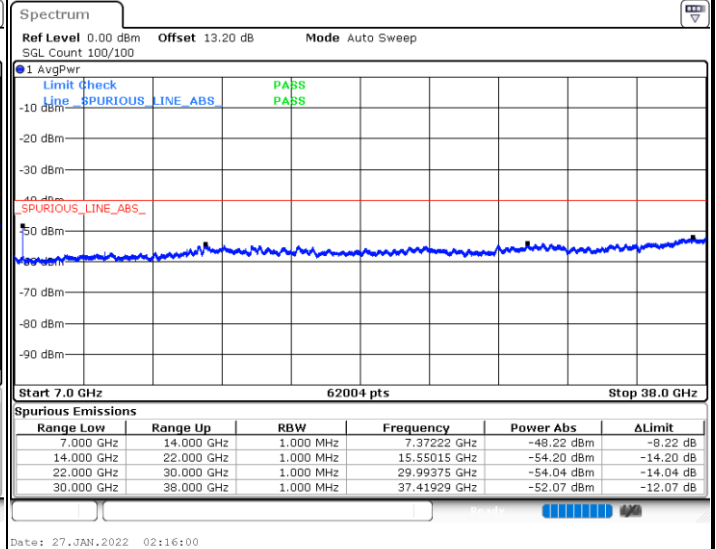


LTE Band 48 / 15MHz

Highest Channel / QPSK



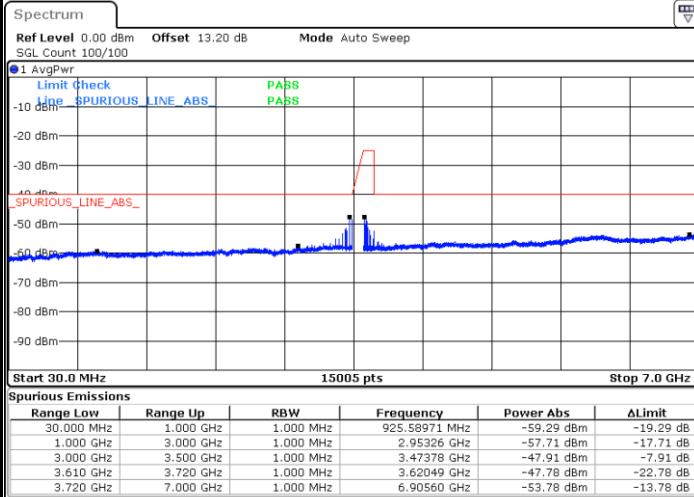
Highest Channel / QPSK





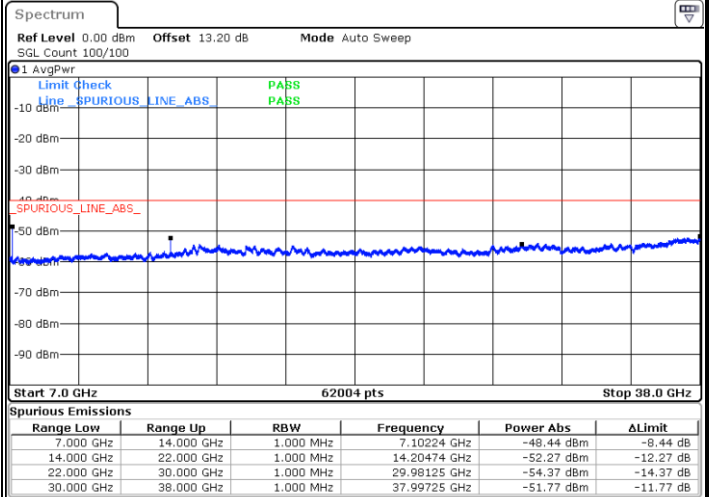
LTE Band 48 / 20MHz

Lowest Channel / QPSK



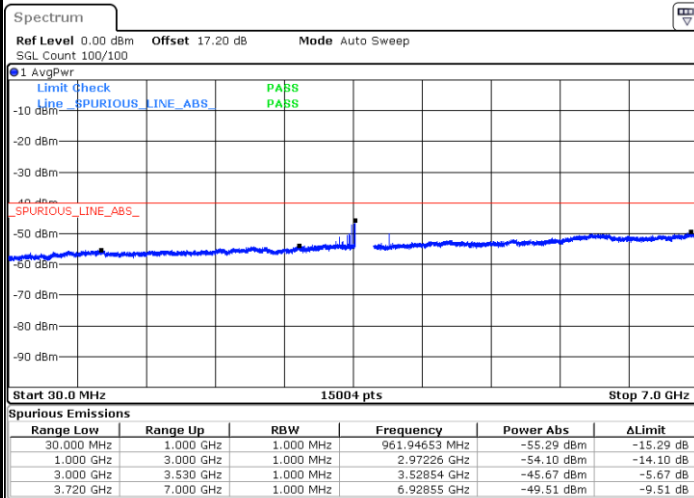
Date: 27.JAN.2022 02:21:29

Lowest Channel / QPSK



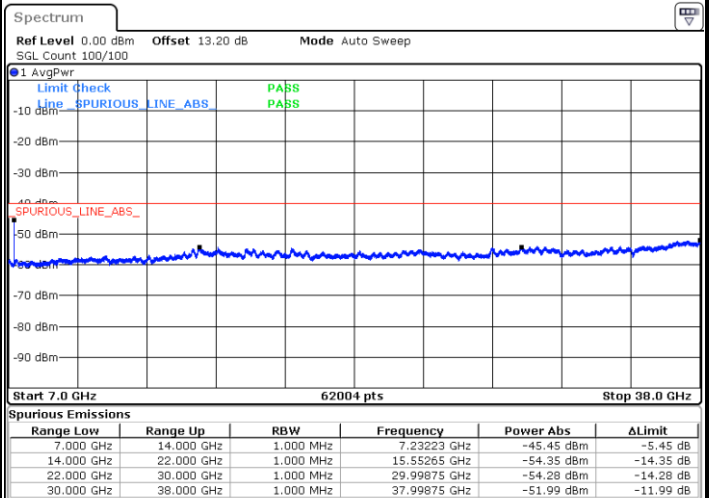
Date: 27.JAN.2022 02:17:10

Middle Channel / QPSK



Date: 27.JAN.2022 00:36:44

Middle Channel / QPSK

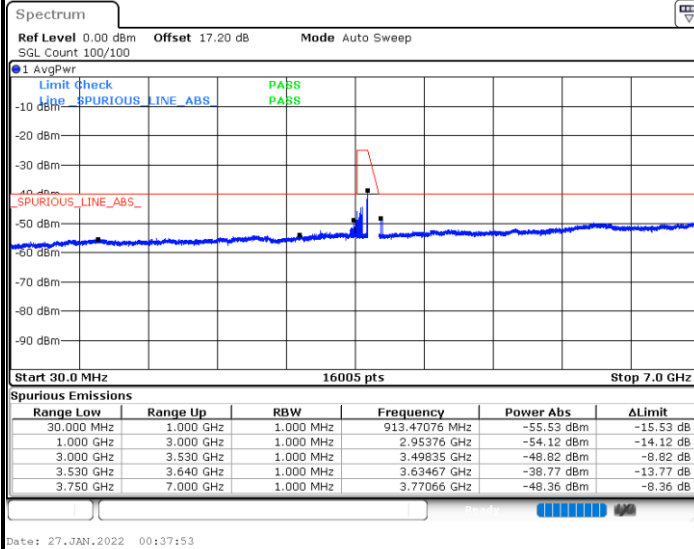


Date: 27.JAN.2022 02:18:21

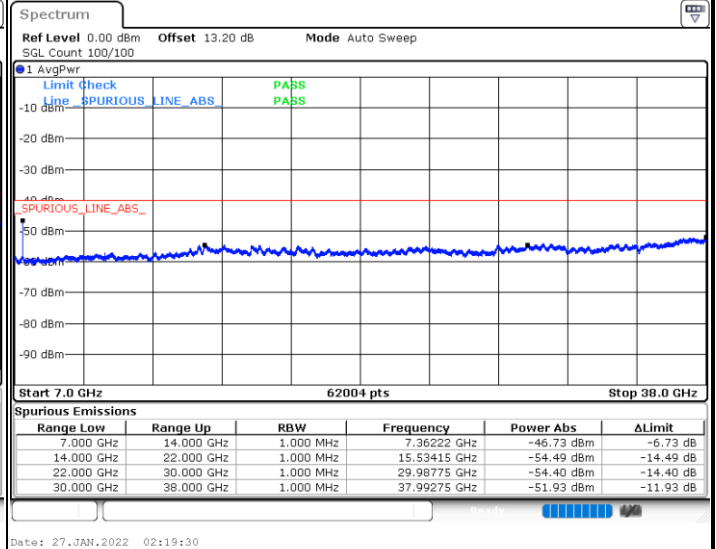


LTE Band 48 / 20MHz

Highest 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	0.0004	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0028	

Note:

1. Normal Voltage =4.2 V. ; Battery End Point (ACLRP) =3.4 V. ; Maximum Voltage =4.3 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	29.79	34.76	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.83	39.64	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.63	29.79	34.83	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.85	34.97	39.80	-

Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.68	29.97	34.83	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.91	34.76	39.64	-

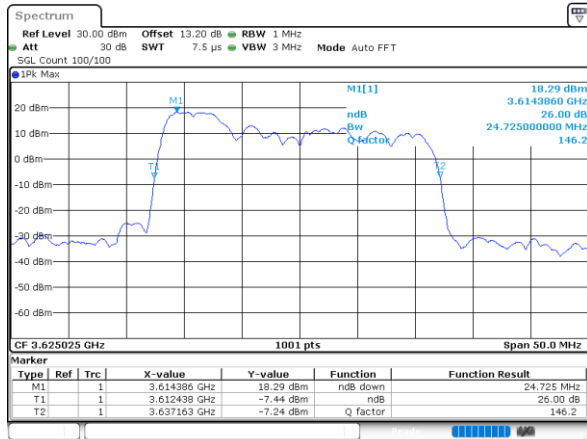
Mode	LTE Band 48C : 26dB BW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.83	29.67	34.76	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.69	39.80	-



LTE Band 48C

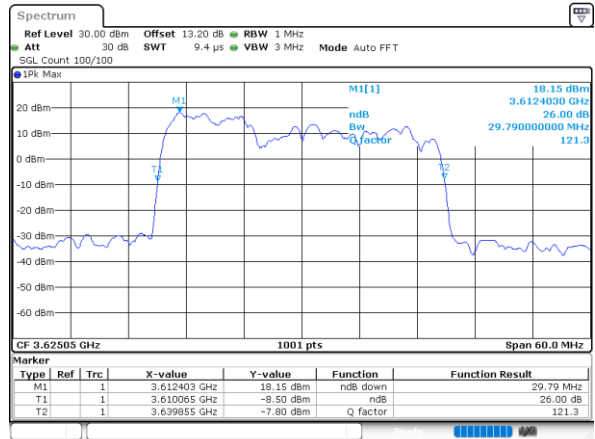
QPSK

Middle Channel / 5MHz+20MHz



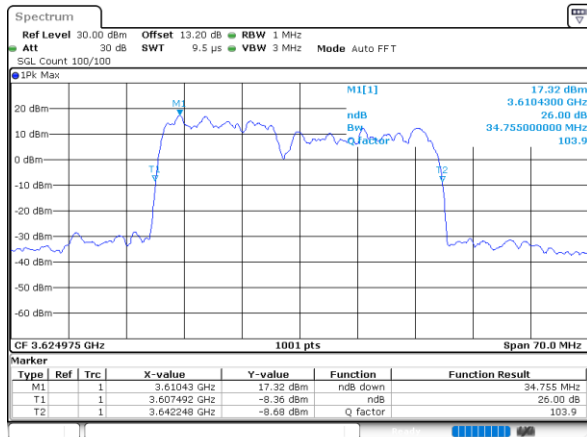
Date: 29.JAN.2022 05:07:16

Middle Channel / 10MHz+20MHz



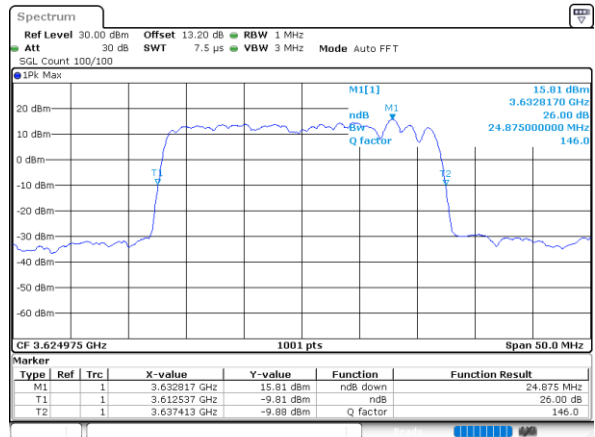
Date: 29.JAN.2022 08:27:24

Middle Channel / 15MHz+20MHz



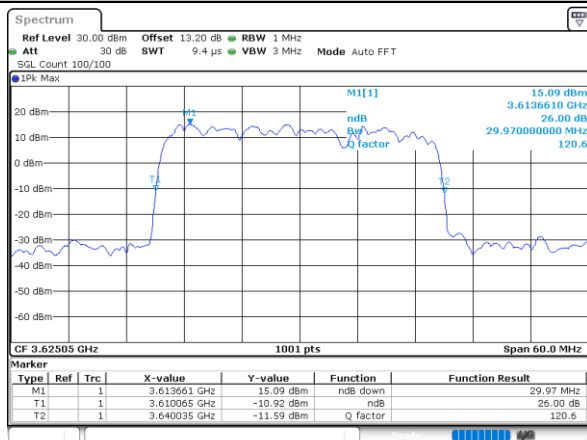
Date: 29.JAN.2022 08:39:06

Middle Channel / 20MHz+5MHz



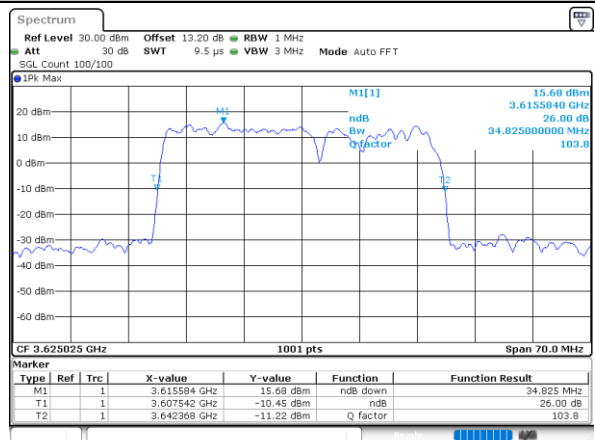
Date: 31.JAN.2022 07:38:51

Middle Channel / 20MHz+10MHz



Date: 31.JAN.2022 07:44:49

Middle Channel / 20MHz+15MHz



Date: 31.JAN.2022 11:00:38

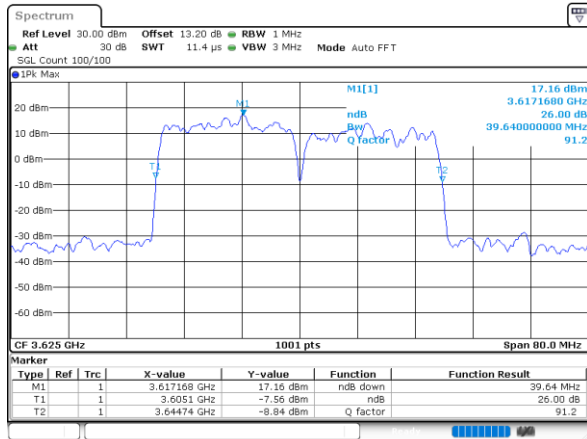


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



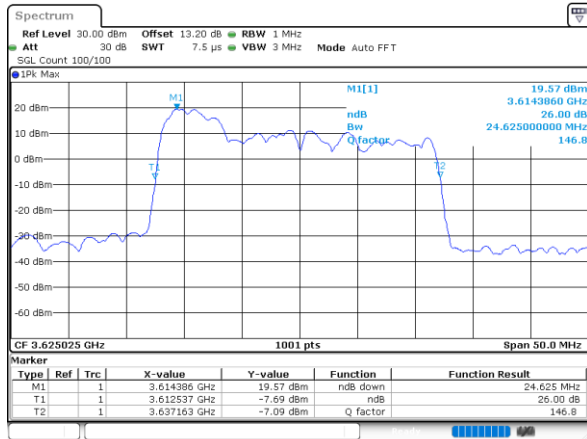
Date: 29-JUN-2022 04:57:31



LTE Band 48C

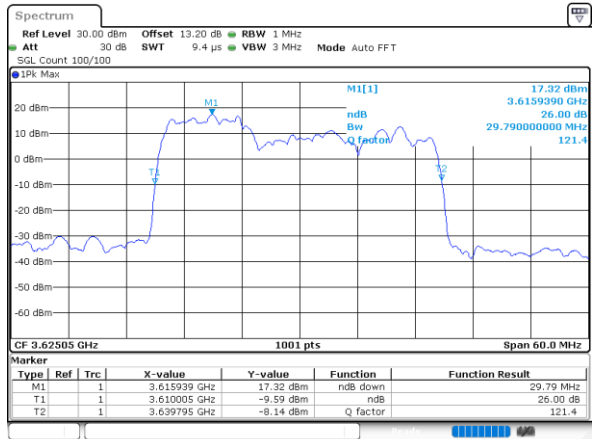
16QAM

Middle Channel / 5MHz+20MHz



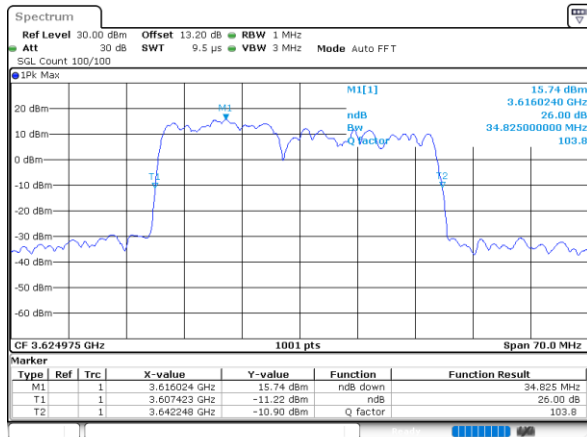
Date: 29.JAN.2022 05:07:44

Middle Channel / 10MHz+20MHz



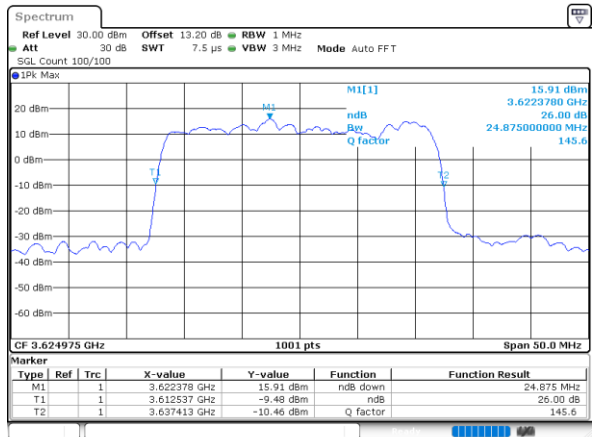
Date: 29.JAN.2022 08:27:52

Middle Channel / 15MHz+20MHz



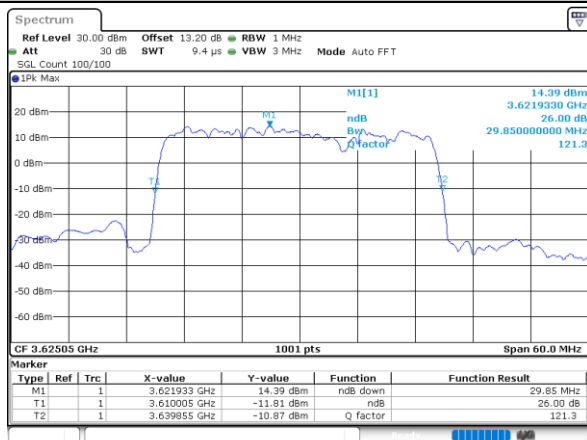
Date: 29.JAN.2022 08:39:34

Middle Channel / 20MHz+5MHz



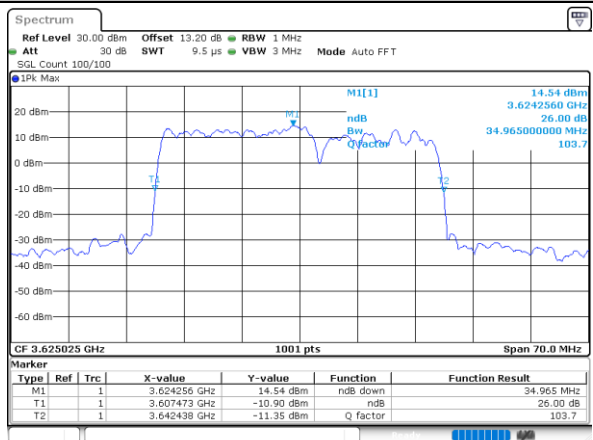
Date: 31.JAN.2022 07:39:19

Middle Channel / 20MHz+10MHz



Date: 31.JAN.2022 07:45:16

Middle Channel / 20MHz+15MHz



Date: 31.JAN.2022 11:01:05

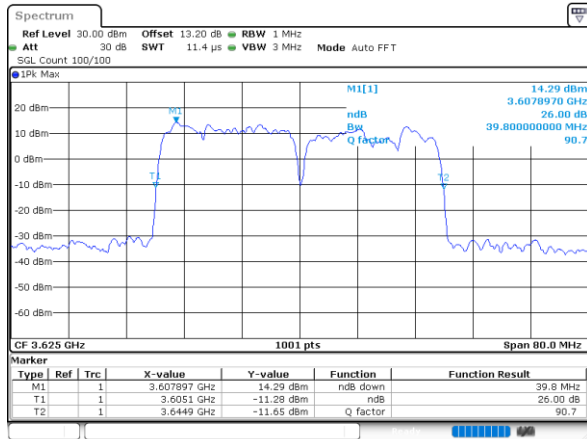


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A

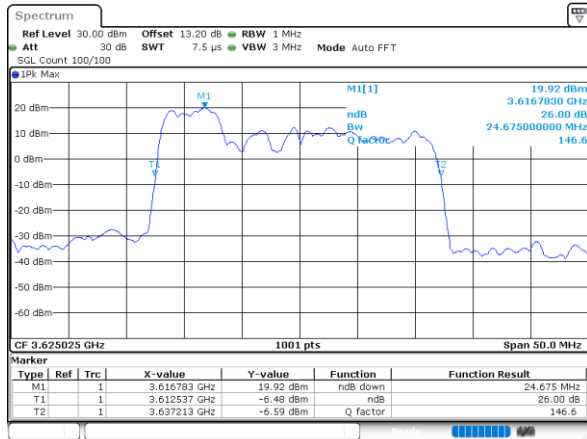




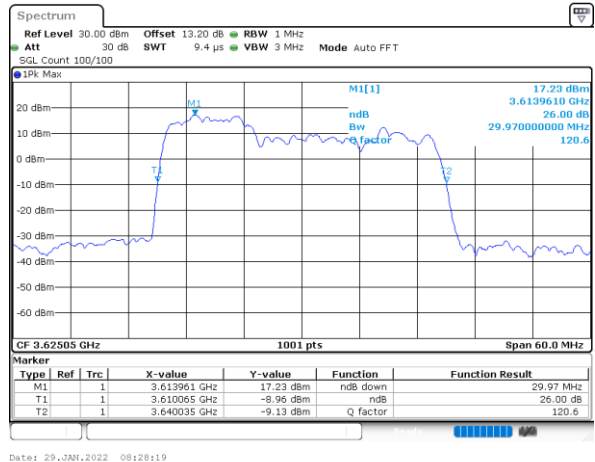
LTE Band 48C

64QAM

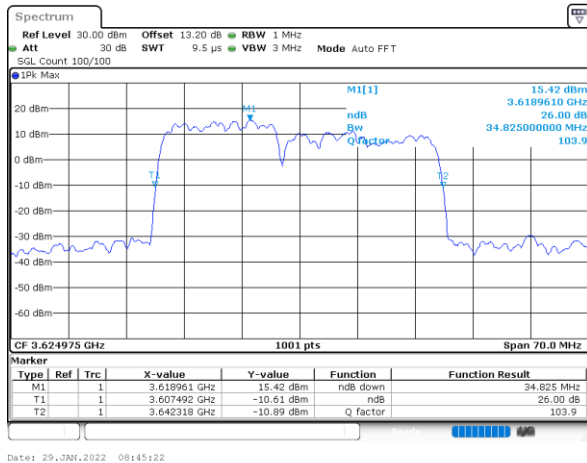
Middle Channel / 5MHz+20MHz



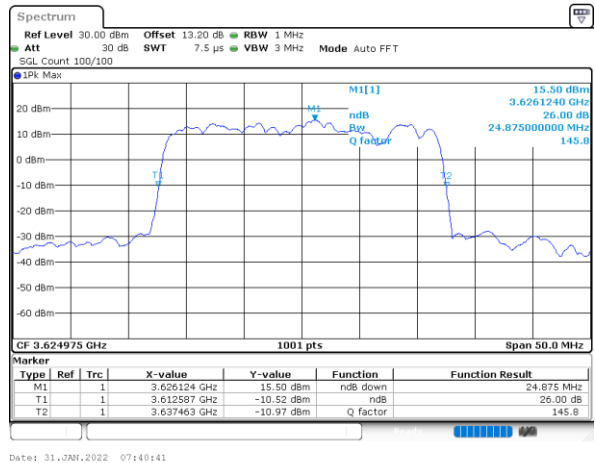
Middle Channel / 10MHz+20MHz



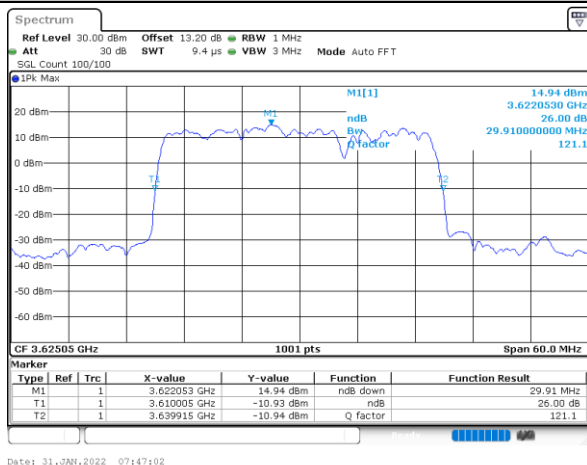
Middle Channel / 15MHz+20MHz



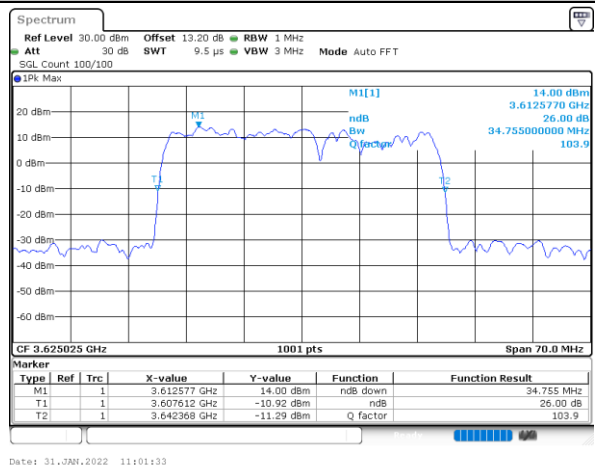
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



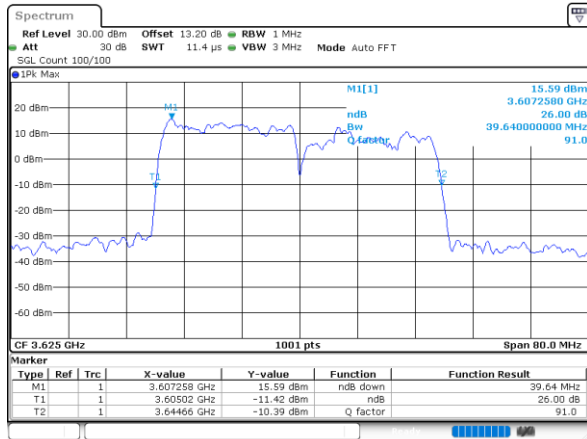


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A

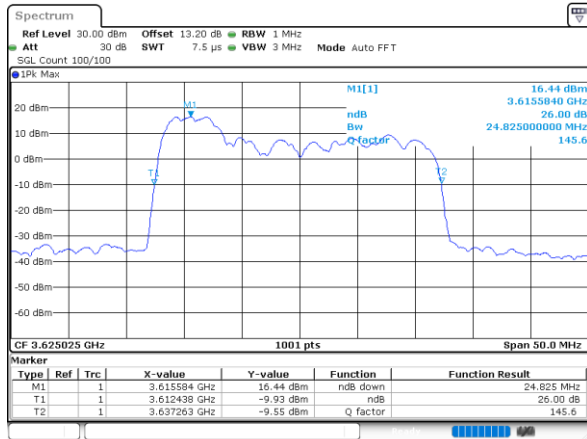




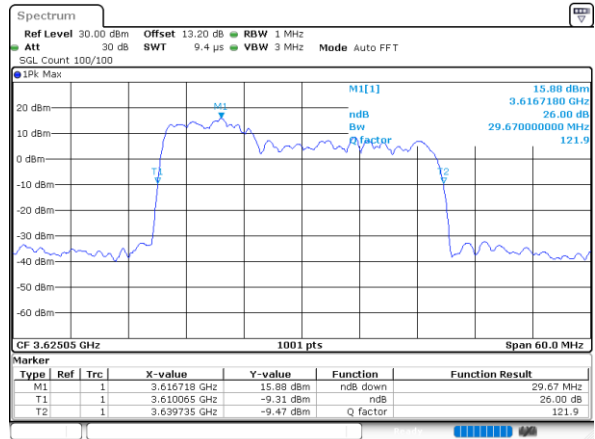
LTE Band 48C

256QAM

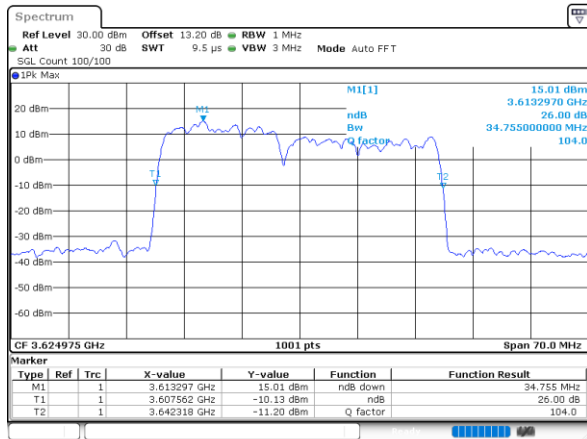
Middle Channel / 5MHz+20MHz



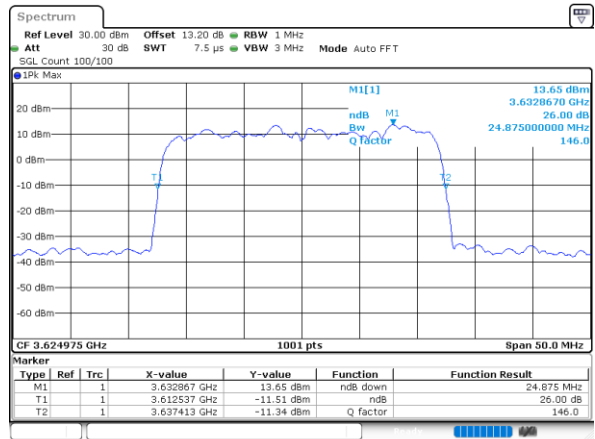
Middle Channel / 10MHz+20MHz



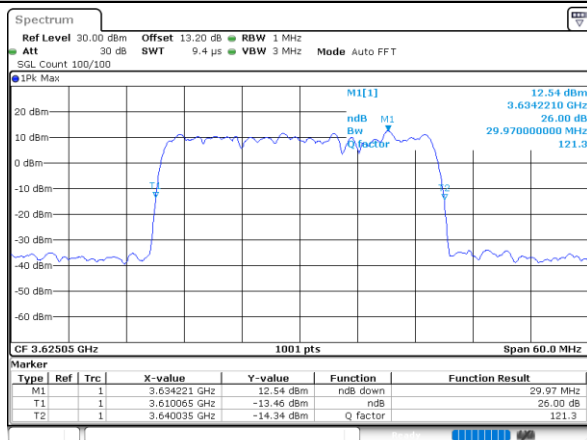
Middle Channel / 15MHz+20MHz



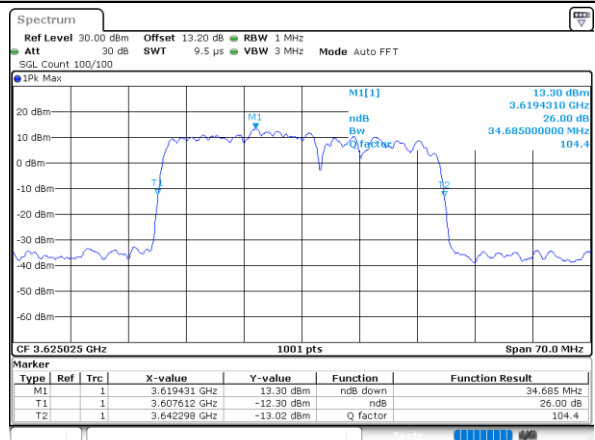
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



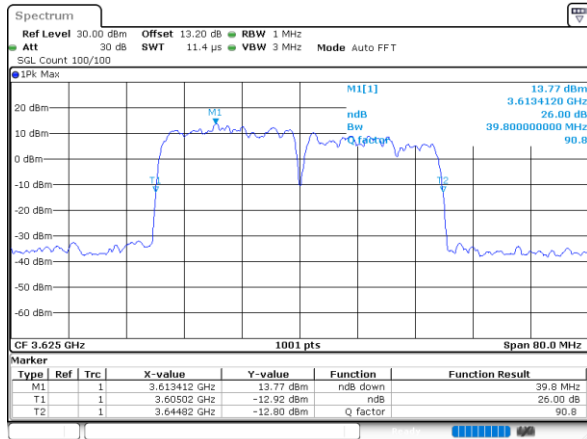


LTE Band 48C

256QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 29.JUN.2022 05:01:20

Occupied Bandwidth

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.08	27.93	32.73	23.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	32.66	37.48	-

Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.13	27.75	32.59	23.13
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.59	37.64	-

Mode	LTE Band 48C : 99%OBW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	22.93	27.69	32.66	23.08
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	32.59	37.40	-

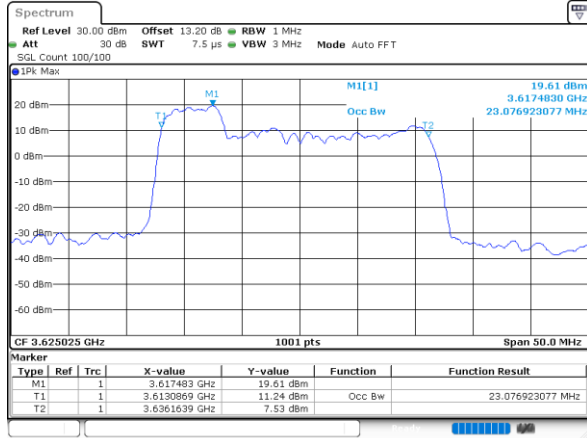
Mode	LTE Band 48C : 99%OBW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	22.98	27.63	32.66	23.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.81	32.80	37.40	-



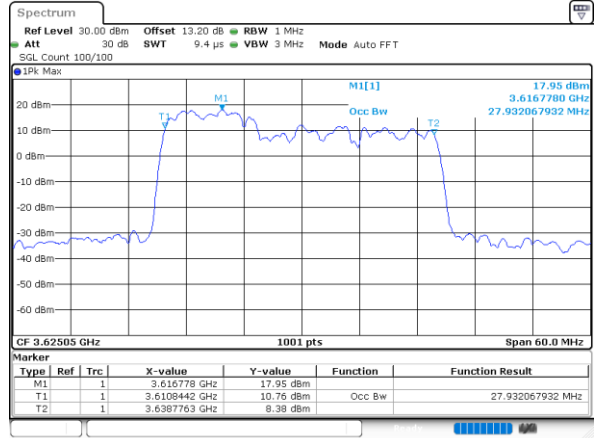
LTE Band 48C

QPSK

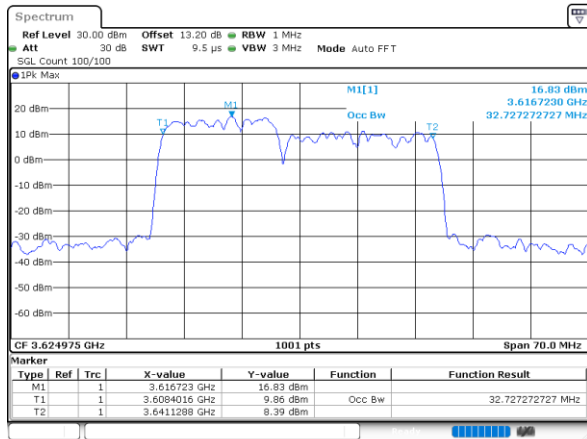
Middle Channel / 5MHz+20MHz



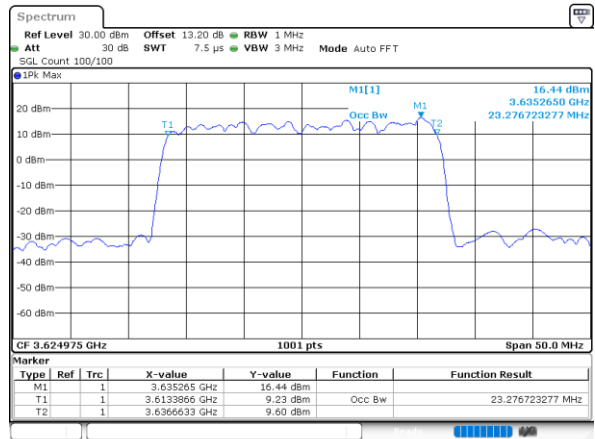
Middle Channel / 10MHz+20MHz



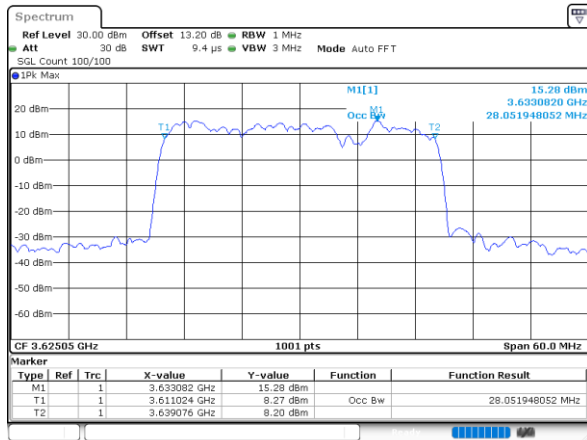
Middle Channel / 15MHz+20MHz



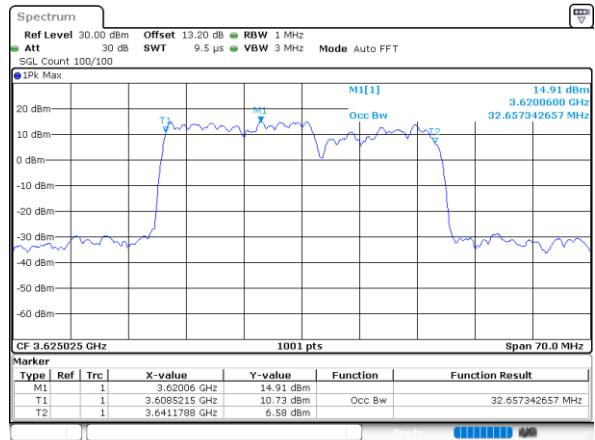
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



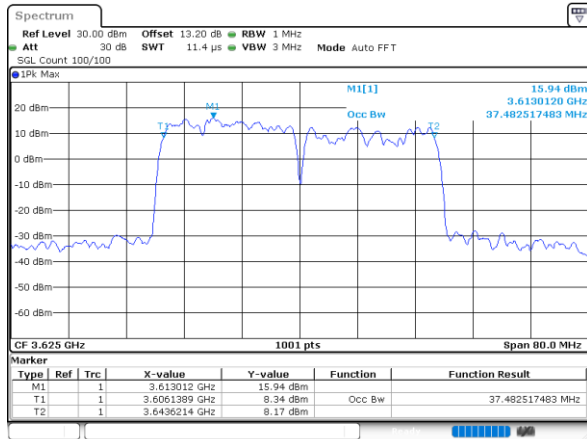


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



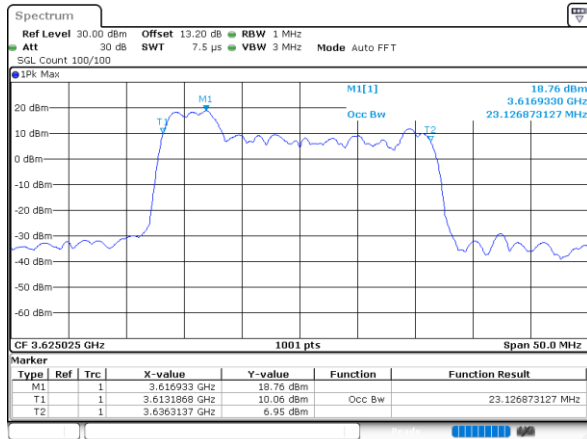
Date: 29-JUN-2022 04:57:04



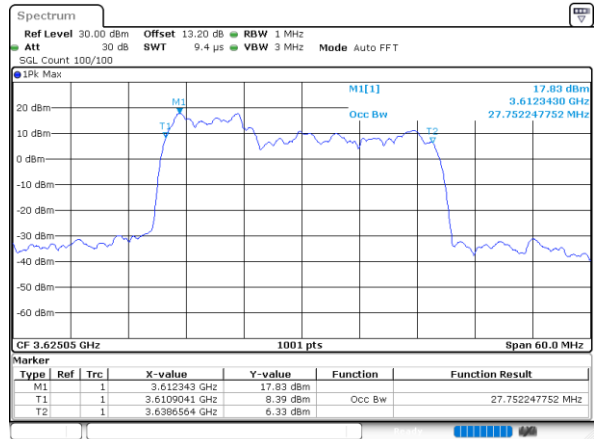
LTE Band 48C

16QAM

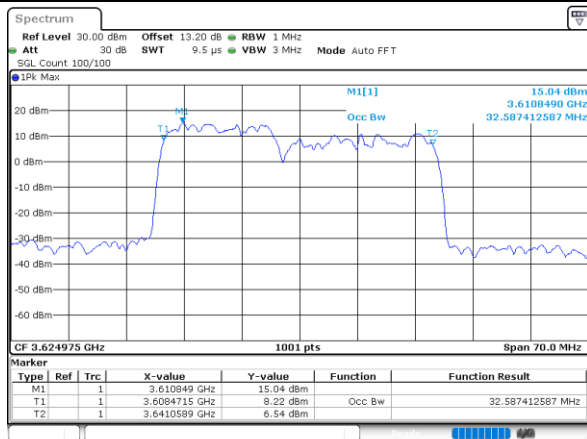
Middle Channel / 5MHz+20MHz



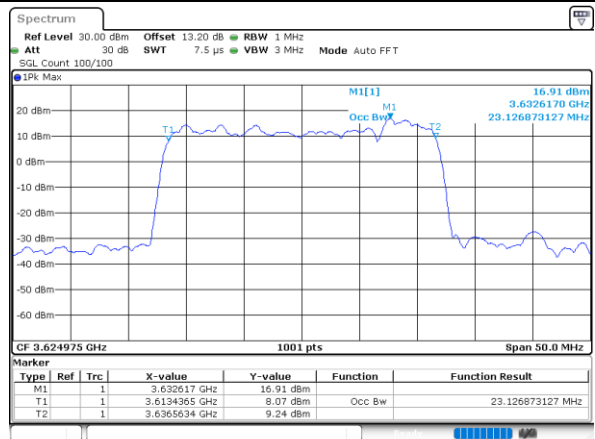
Middle Channel / 10MHz+20MHz



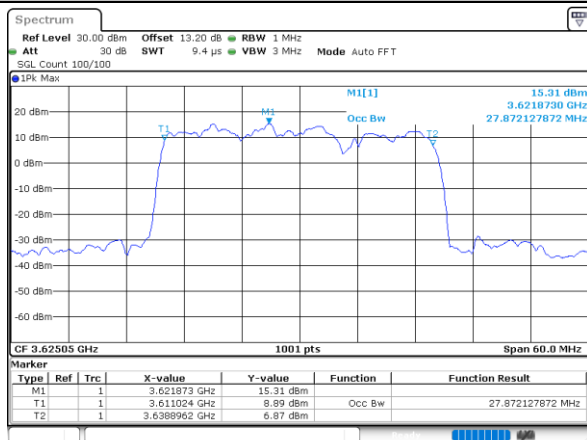
Middle Channel / 15MHz+20MHz



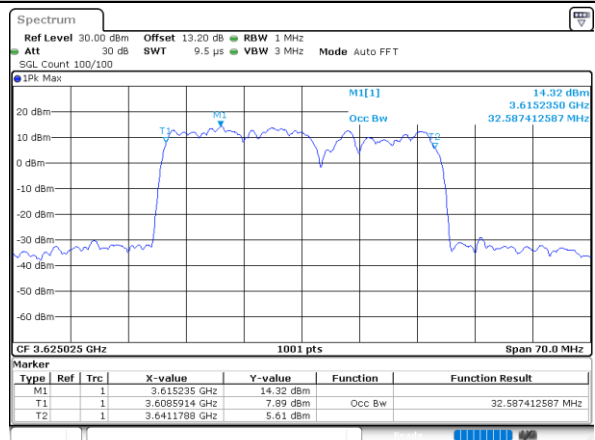
Middle Channel / 20MHz+5MHz

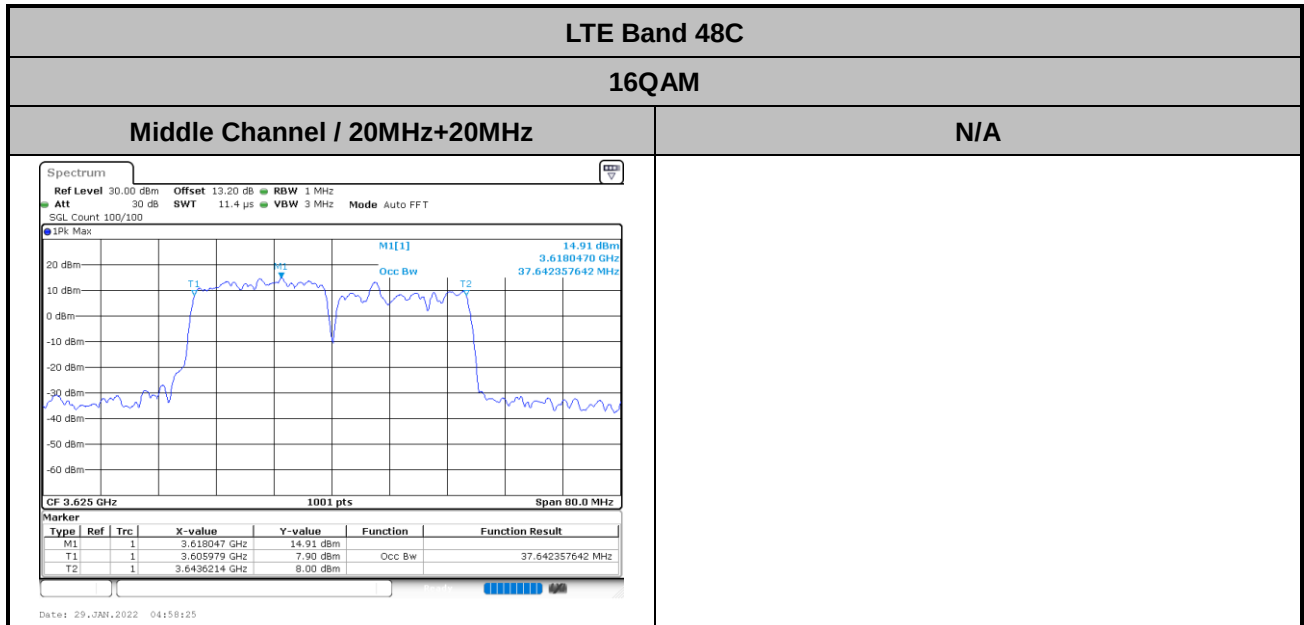


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



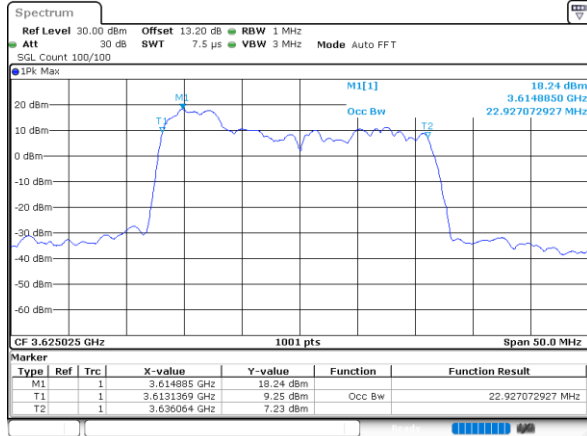




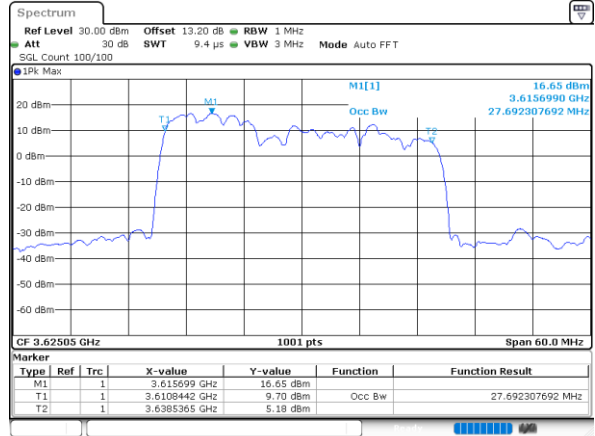
LTE Band 48C

64QAM

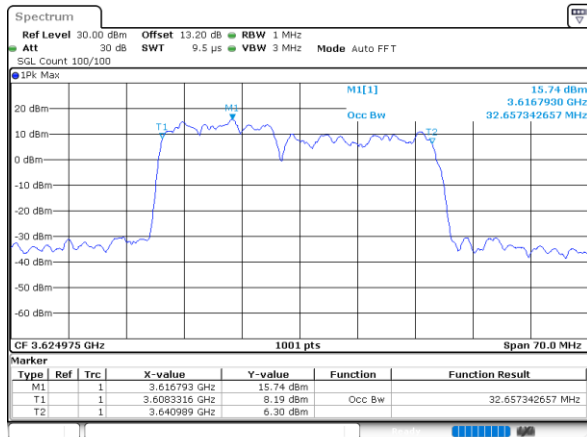
Middle Channel / 5MHz+20MHz



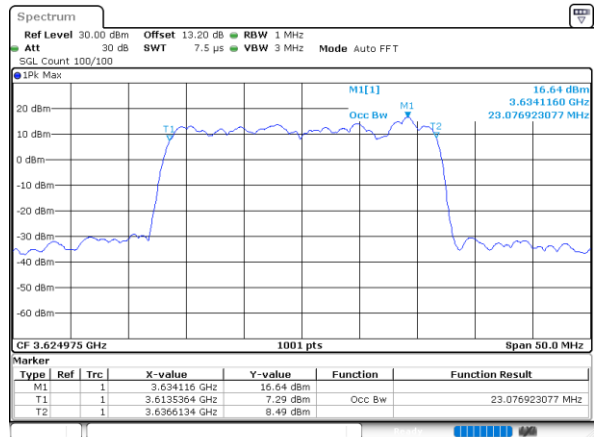
Middle Channel / 10MHz+20MHz



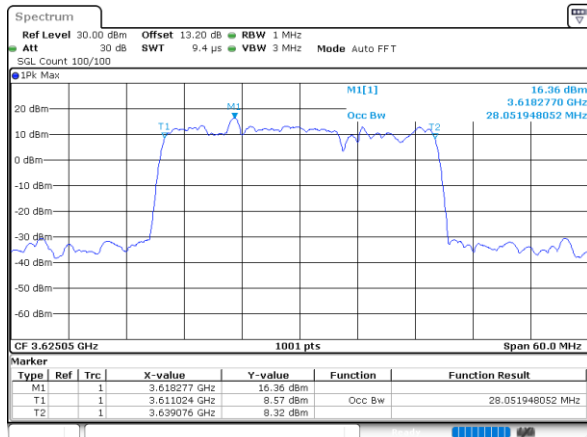
Middle Channel / 15MHz+20MHz



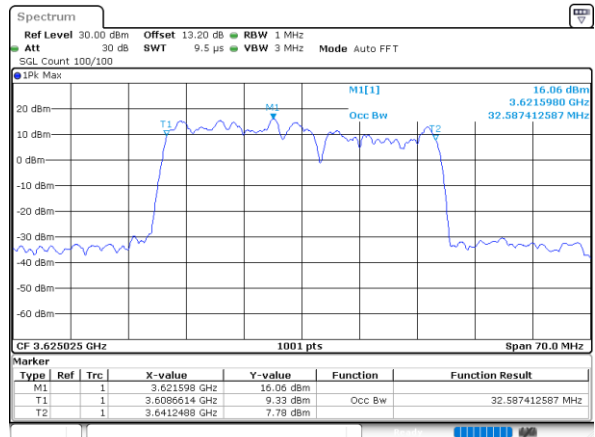
Middle Channel / 20MHz+5MHz

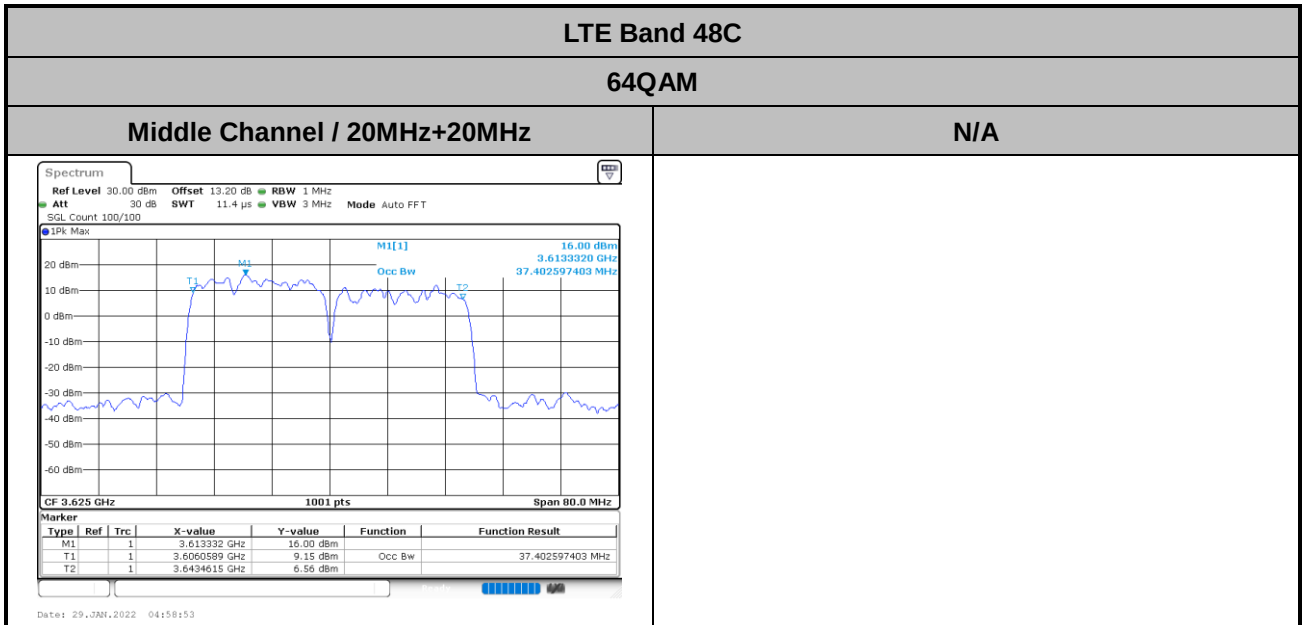


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



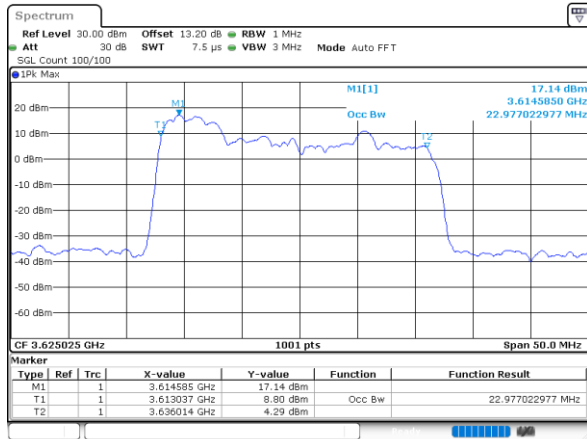




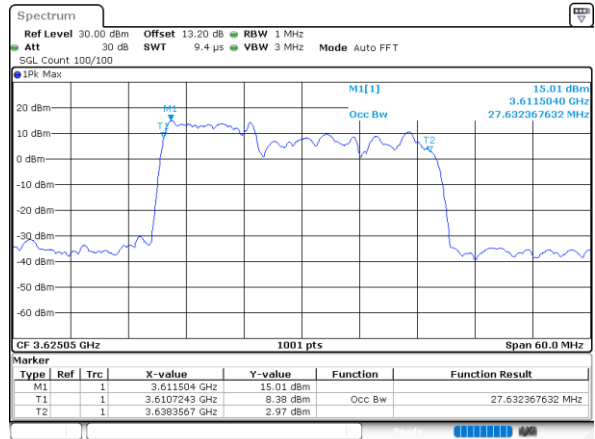
LTE Band 48C

256QAM

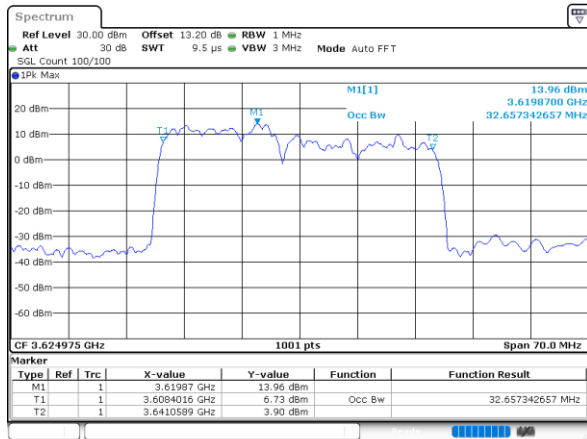
Middle Channel / 5MHz+20MHz



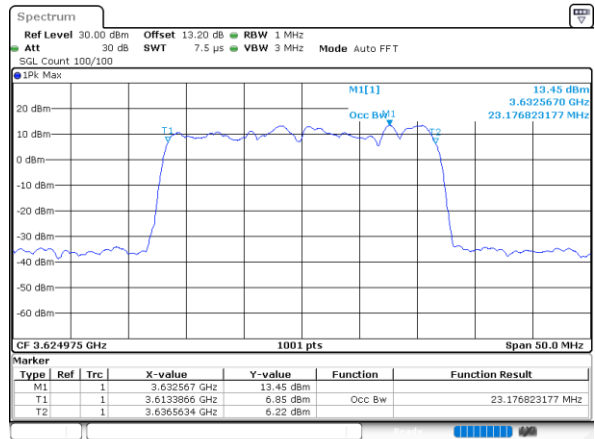
Middle Channel / 10MHz+20MHz



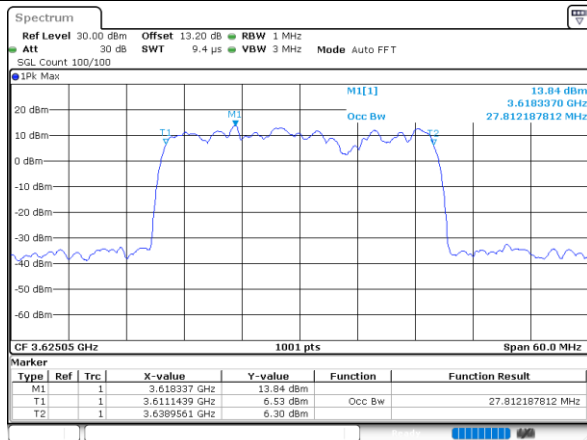
Middle Channel / 15MHz+20MHz



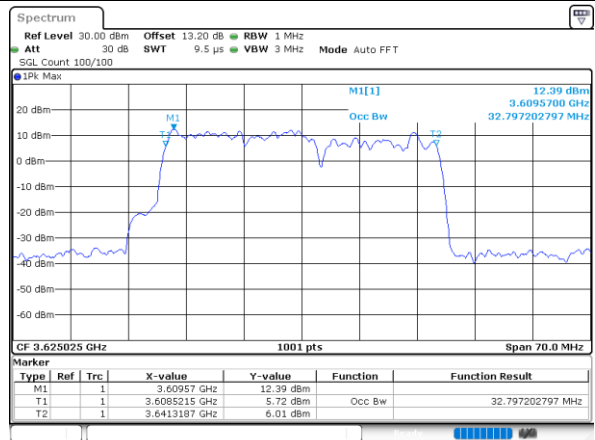
Middle Channel / 20MHz+5MHz

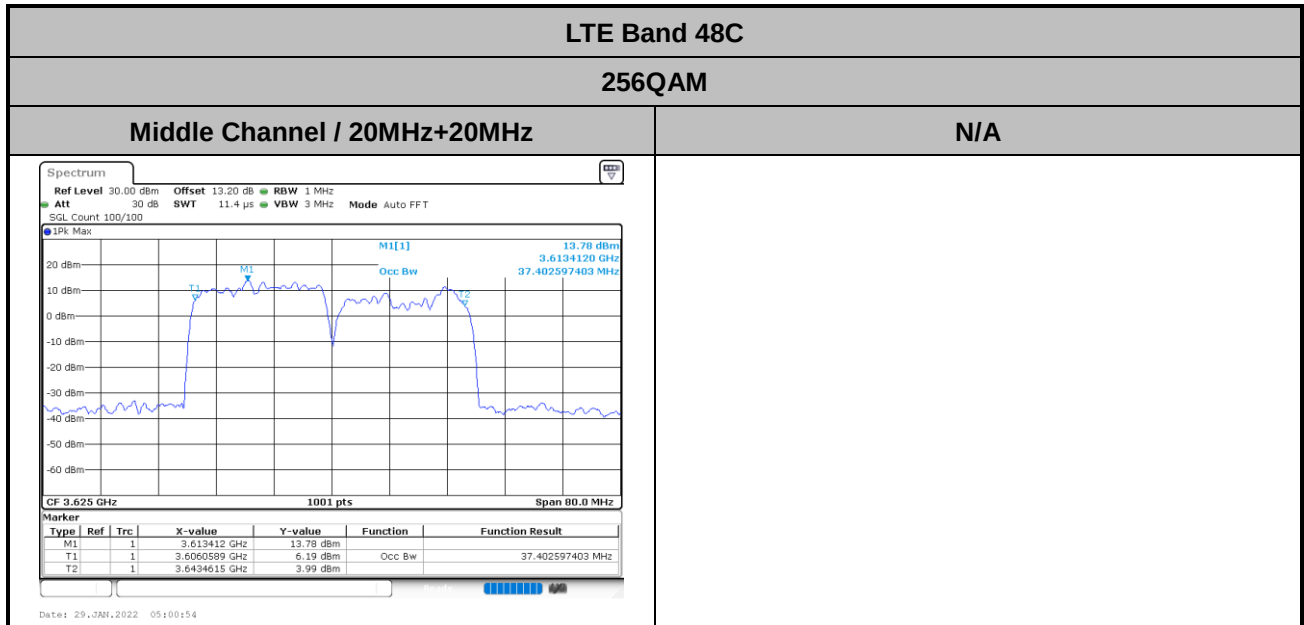


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz







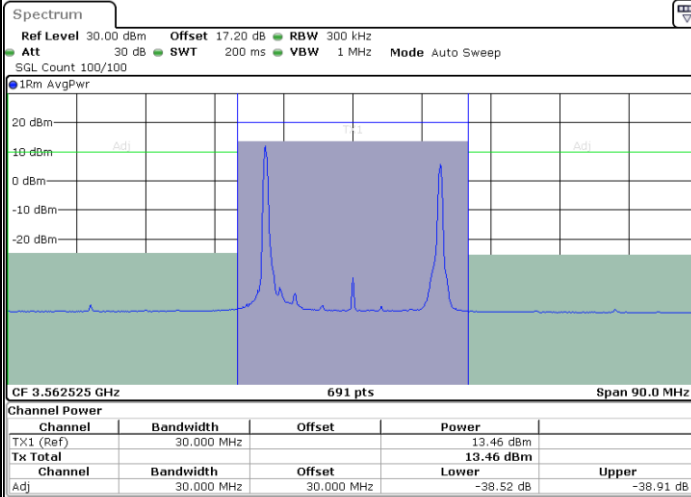
ACLR

LTE Band 48C / 5MHz+20MHz

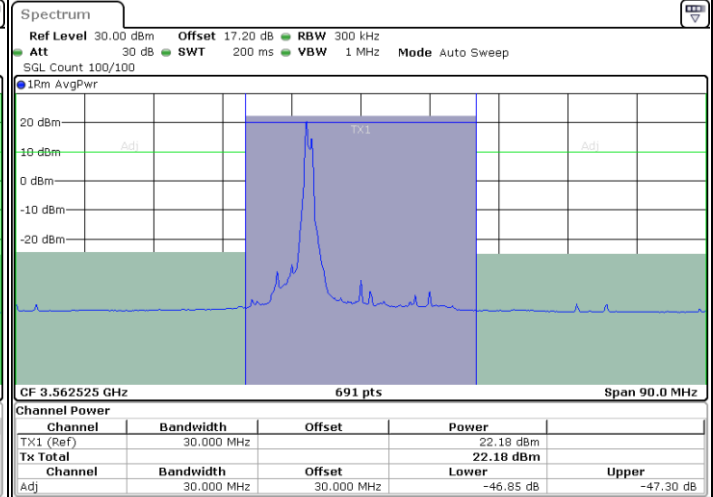
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



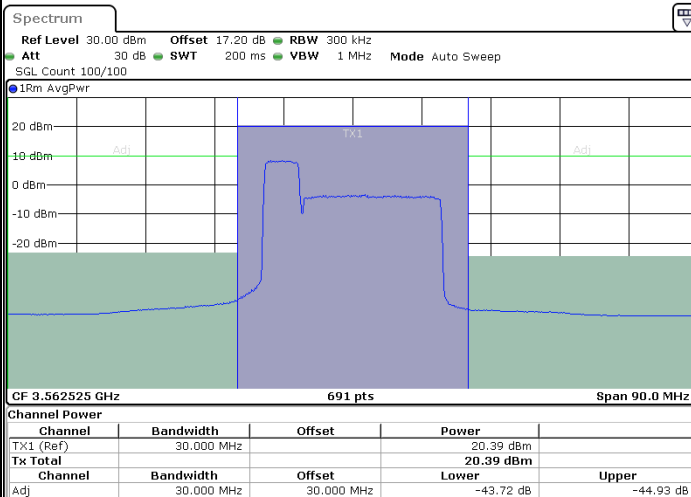
Date: 29.JAN.2022 05:53:32



Date: 29.JAN.2022 06:02:21

Lowest Channel / FullIRB

N/A



Date: 29.JAN.2022 05:46:09

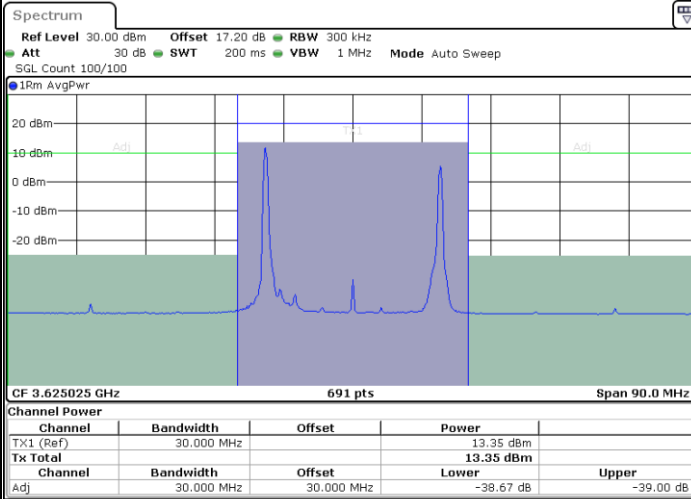


LTE Band 48C / 5MHz+20MHz

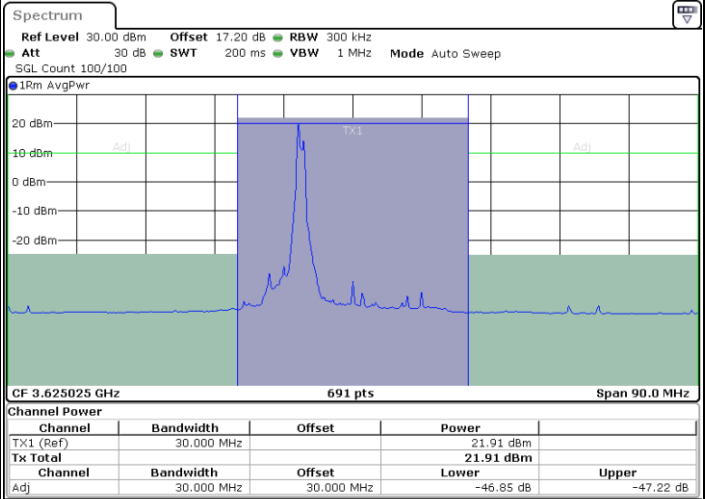
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



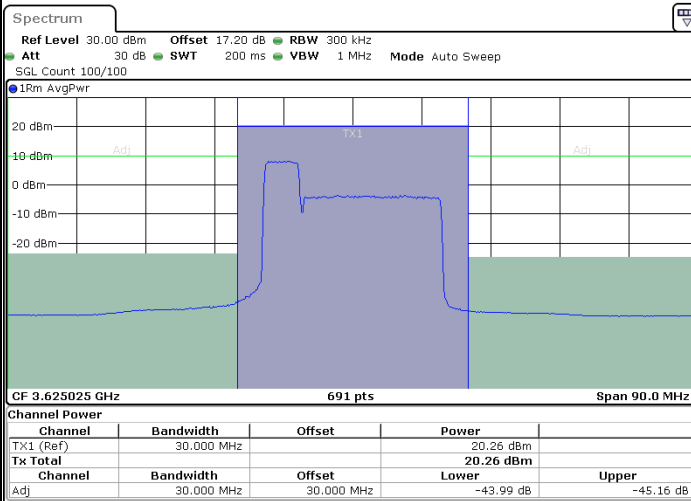
Date: 29.JAN.2022 06:23:22



Date: 29.JAN.2022 06:32:12

Middle Channel / FullRB

N/A



Date: 29.JAN.2022 06:16:00

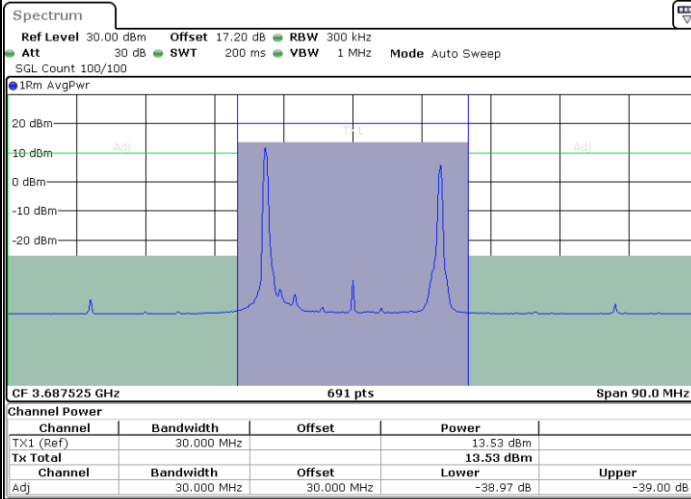


LTE Band 48C / 5MHz+20MHz

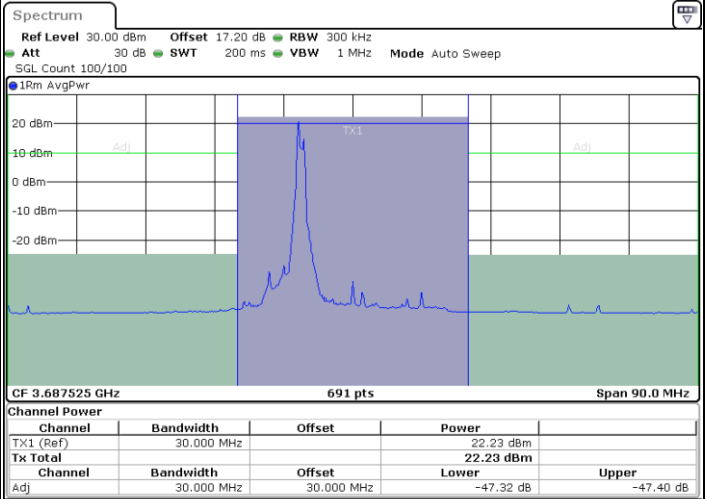
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



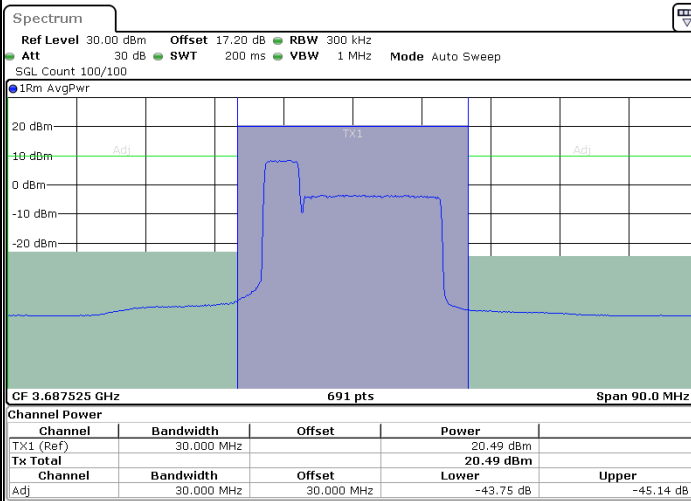
Date: 29.JAN.2022 05:22:42



Date: 29.JAN.2022 05:31:31

Highest Channel / FullIRB

N/A



Date: 29.JAN.2022 05:15:20

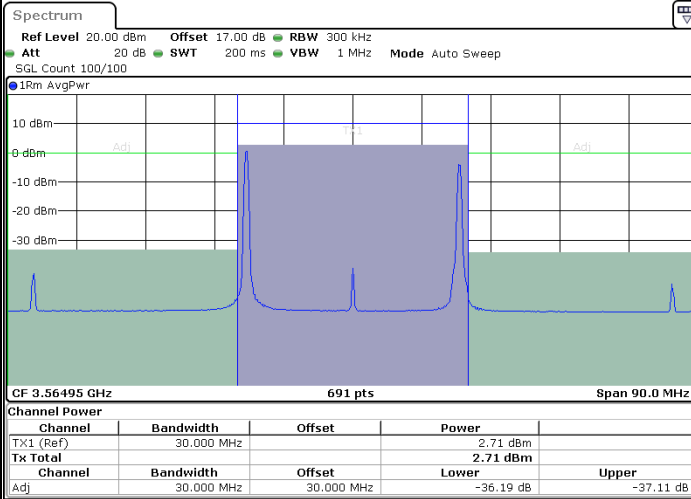


LTE Band 48C / 10MHz+20MHz

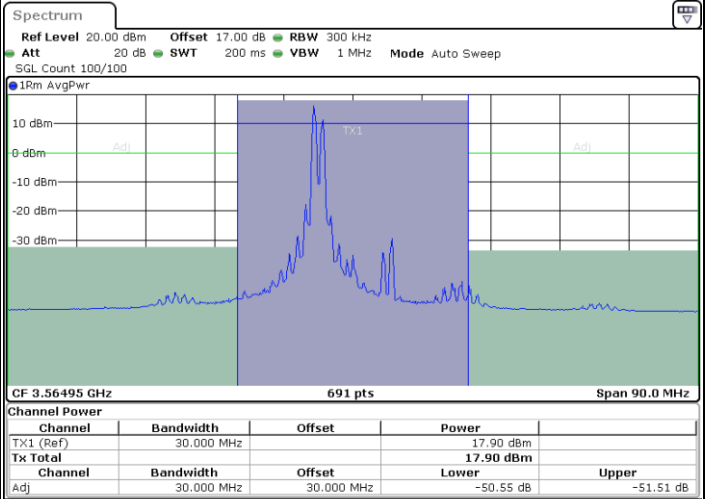
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



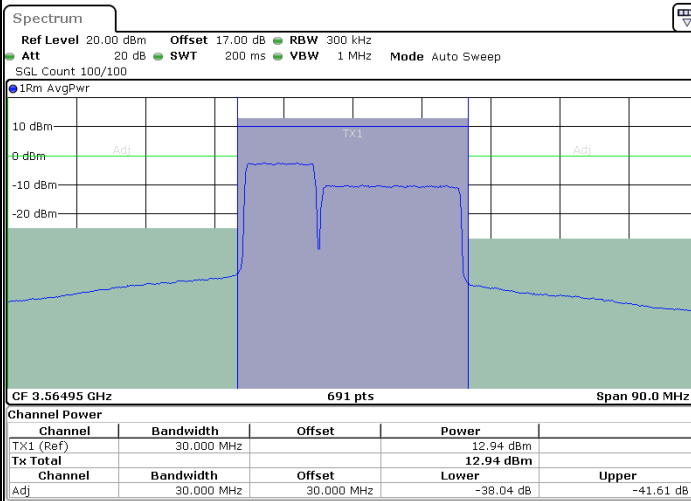
Date: 1.DEC.2021 17:59:25



Date: 1.DEC.2021 18:07:26

Lowest Channel / FullIRB

N/A



Date: 1.DEC.2021 17:53:00

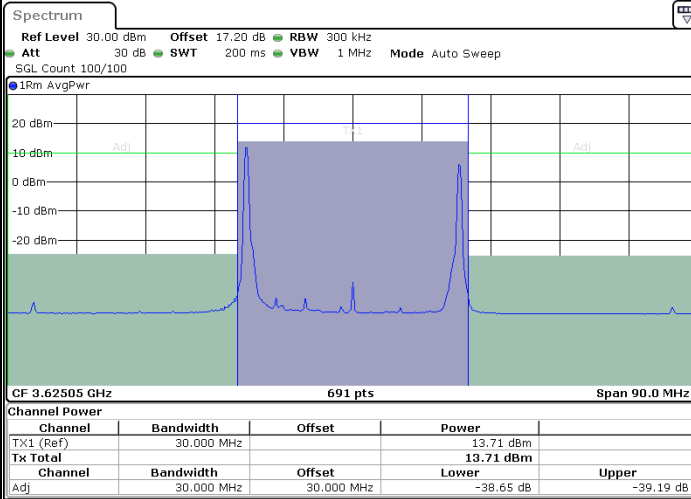


LTE Band 48C / 10MHz+20MHz

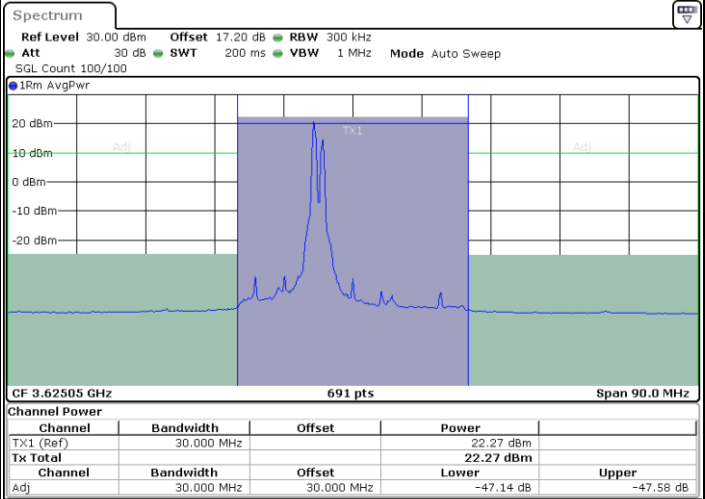
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



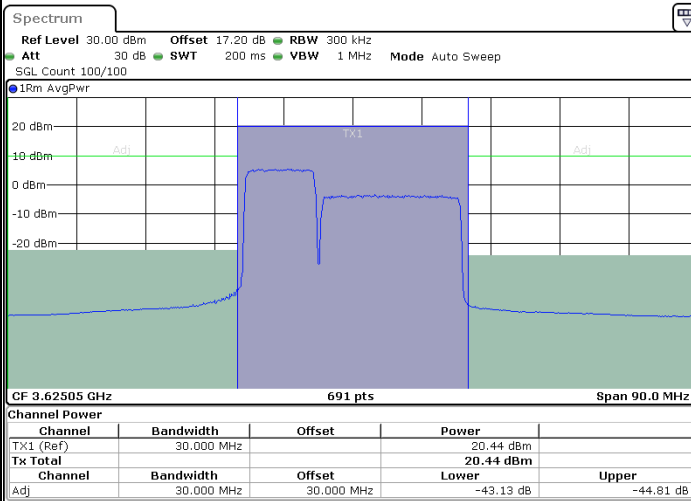
Date: 29.JAN.2022 07:36:22



Date: 29.JAN.2022 07:45:10

Middle Channel / FullRB

N/A



Date: 29.JAN.2022 07:28:59

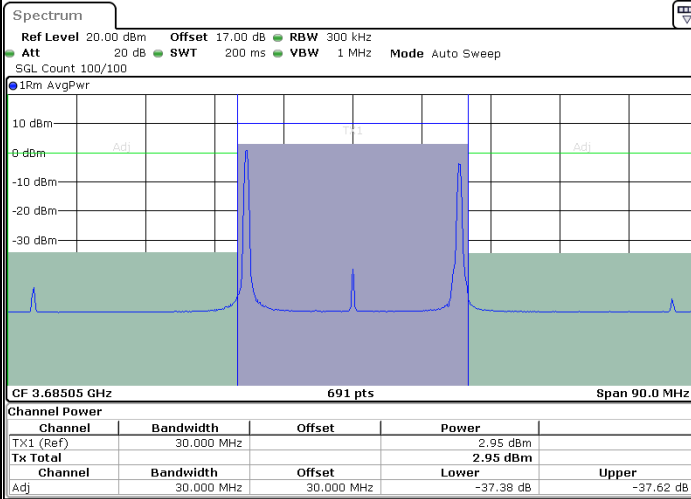


LTE Band 48C / 10MHz+20MHz

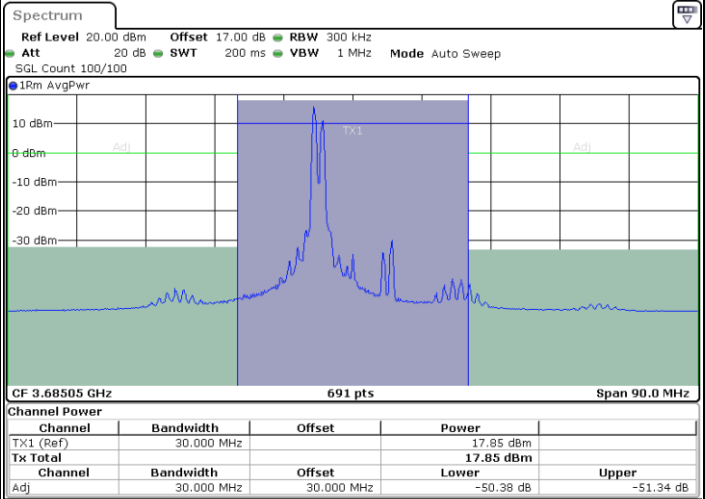
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



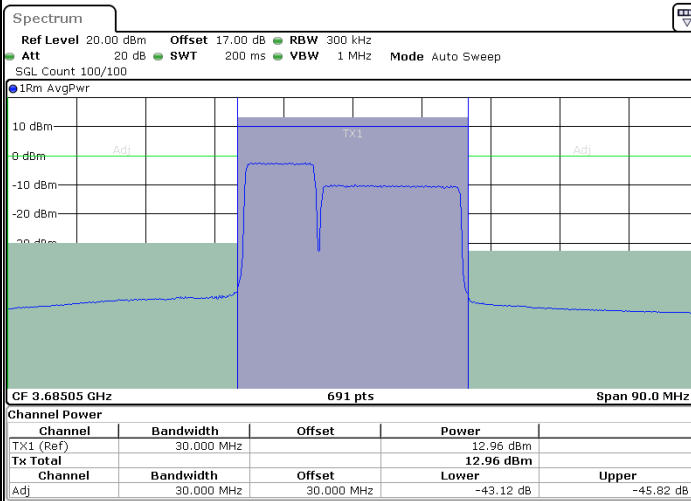
Date: 1.DEC.2021 18:35:10



Date: 1.DEC.2021 18:43:10

Highest Channel / FullIRB

N/A



Date: 1.DEC.2021 18:28:45

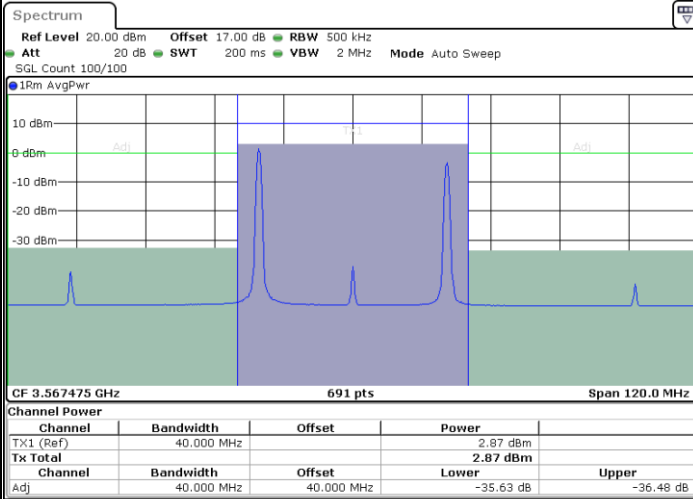


LTE Band 48C / 15MHz+20MHz

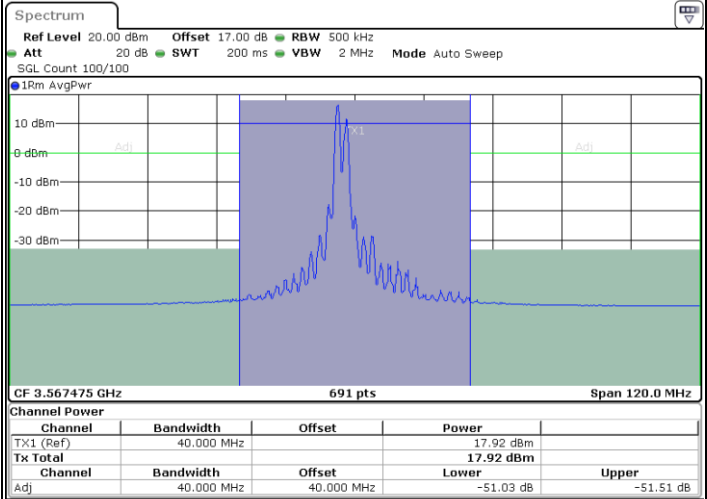
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



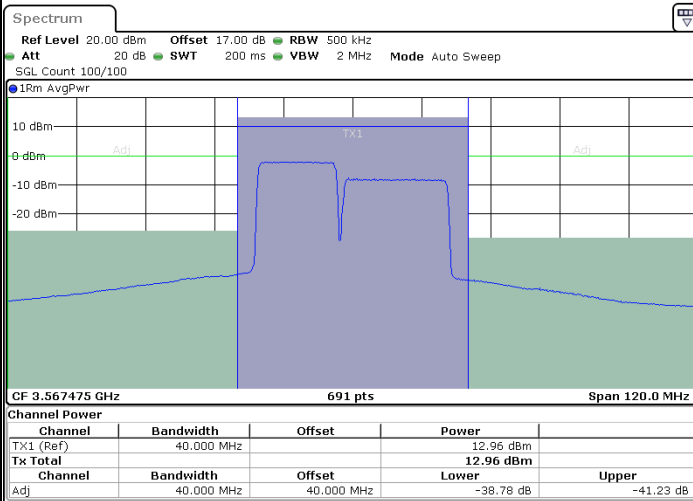
Date: 1.DEC.2021 19:04:24



Date: 1.DEC.2021 20:22:15

Lowest Channel / FullIRB

N/A



Date: 1.DEC.2021 18:57:56

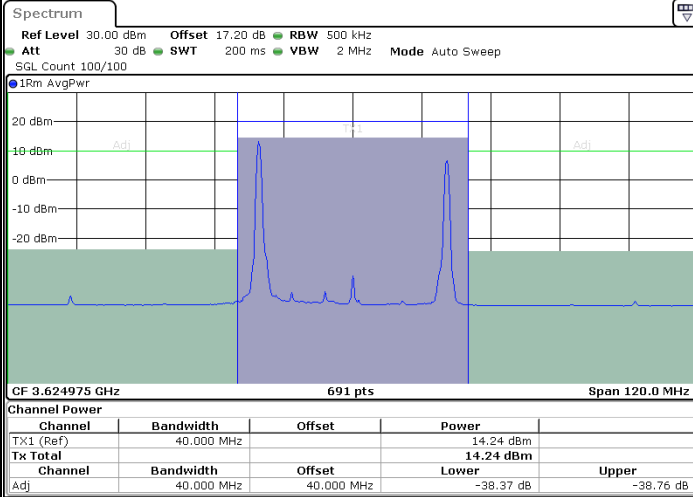


LTE Band 48C / 15MHz+20MHz

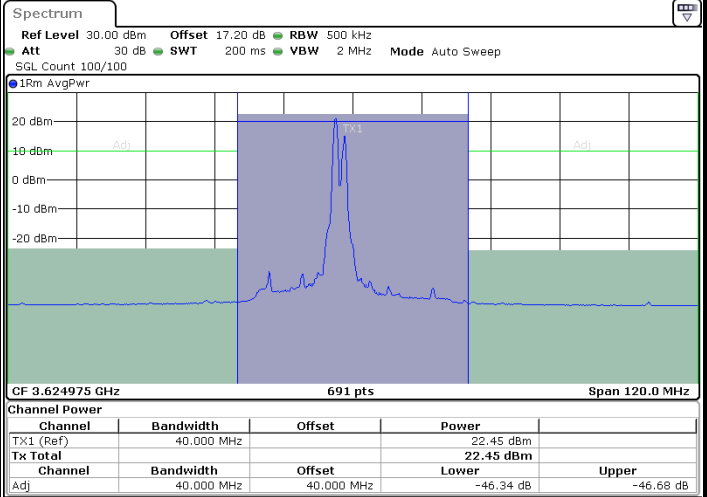
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



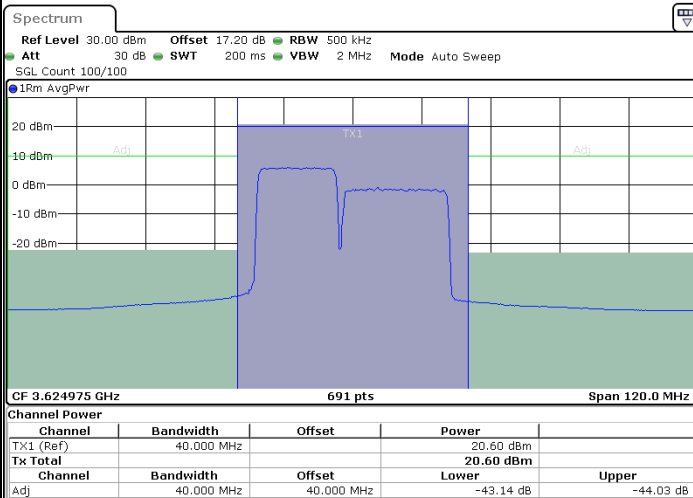
Date: 29.JAN.2022 11:01:43



Date: 29.JAN.2022 11:10:38

Middle Channel / FullRB

N/A



Date: 29.JAN.2022 10:54:15

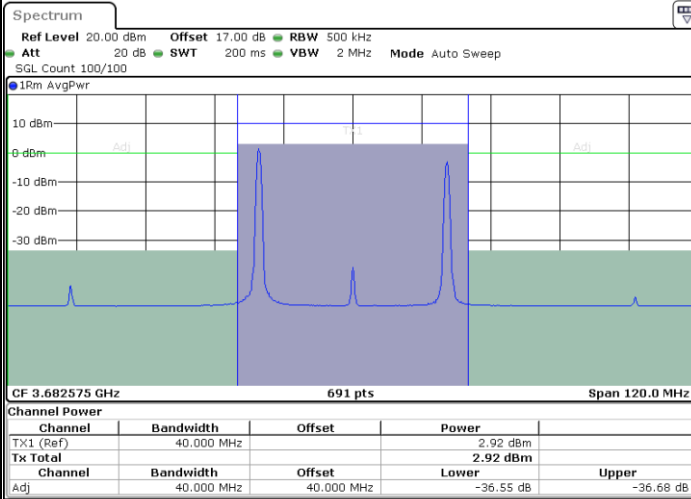


LTE Band 48C / 15MHz+20MHz

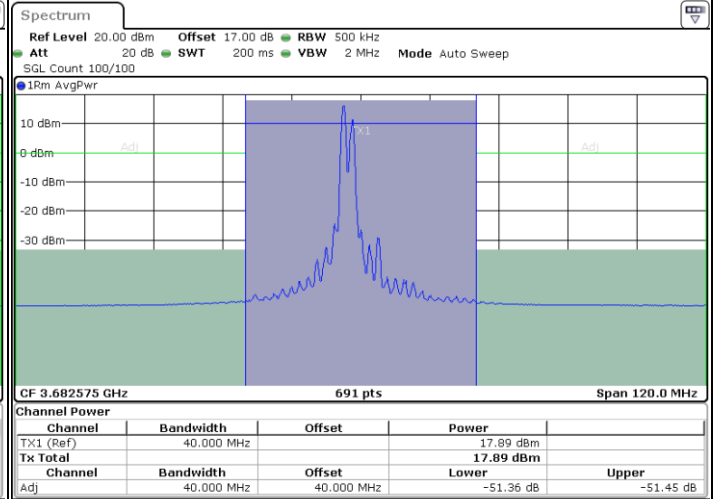
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



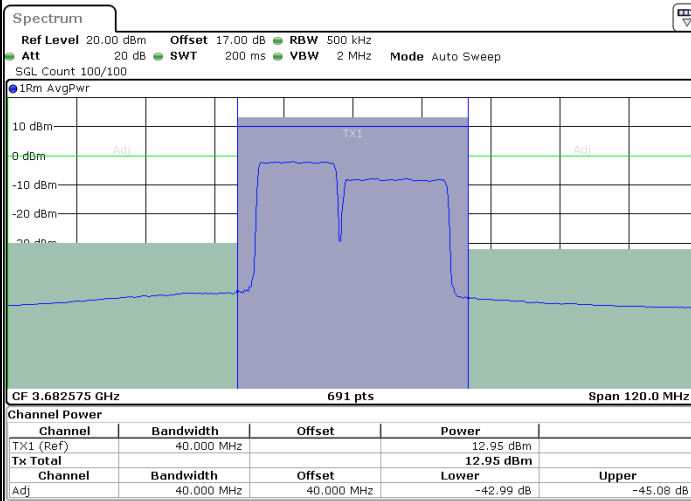
Date: 1.DEC.2021 20:44:58



Date: 1.DEC.2021 20:53:00

Highest Channel / FullIRB

N/A



Date: 1.DEC.2021 20:38:31

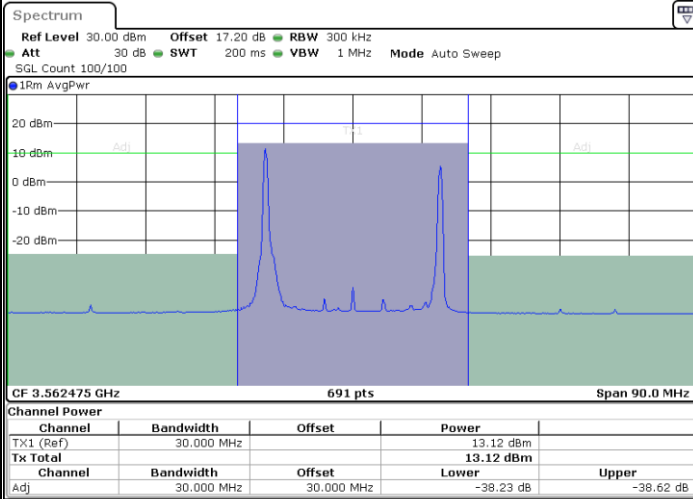


LTE Band 48C / 20MHz+5MHz

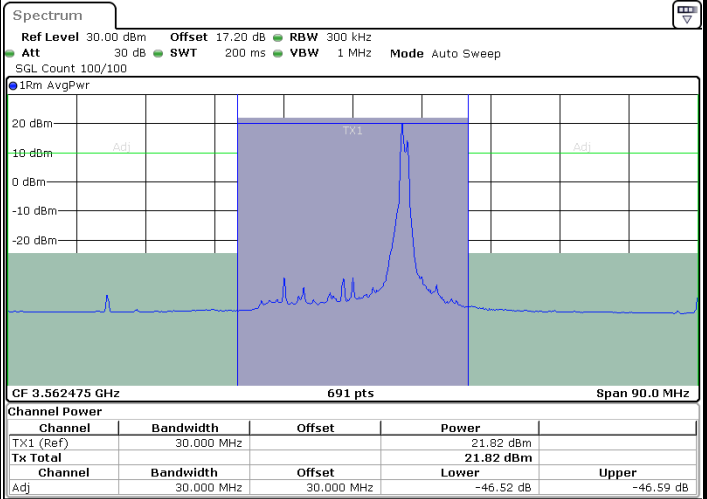
QPSK

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB99 and 1RB0



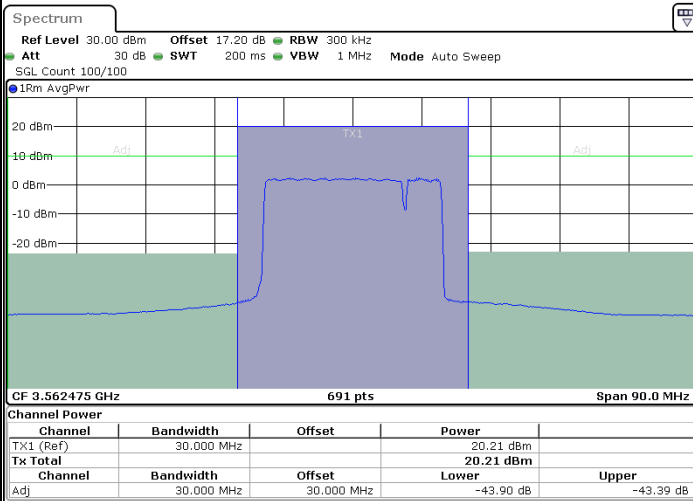
Date: 31.JAN.2022 06:14:53



Date: 31.JAN.2022 06:23:42

Lowest Channel / FullIRB

N/A



Date: 31.JAN.2022 06:07:28

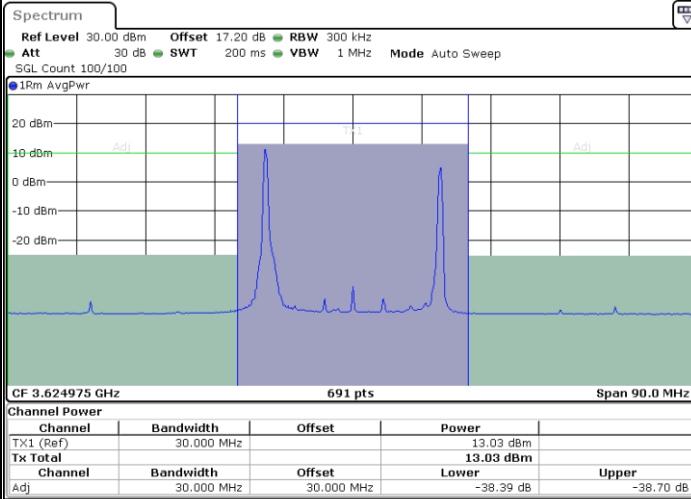


LTE Band 48C / 20MHz+5MHz

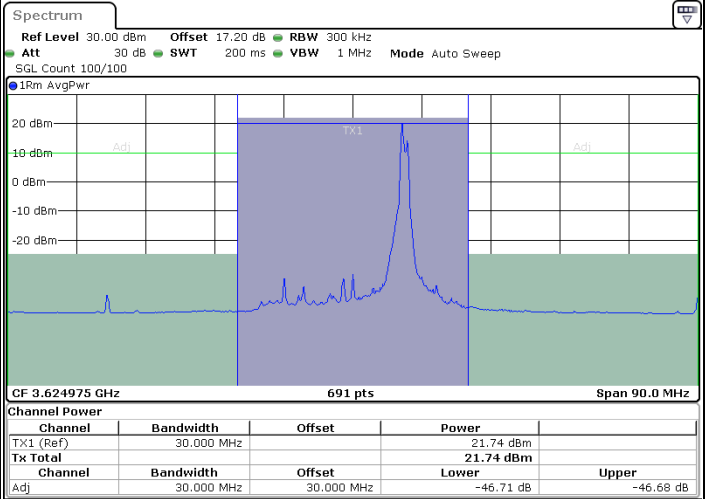
QPSK

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB99 and 1RB0



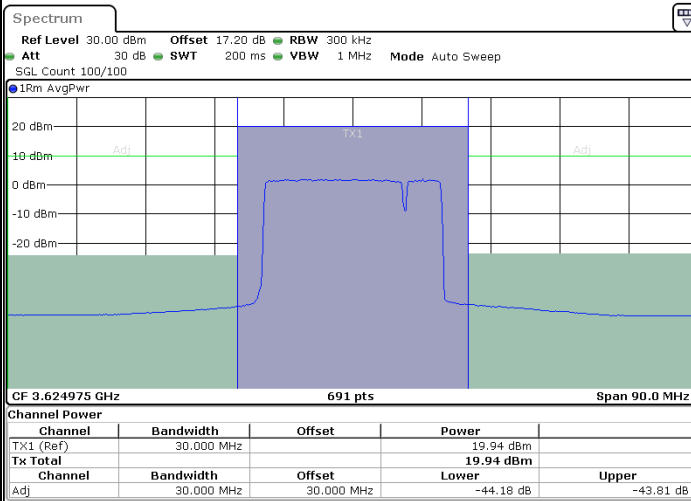
Date: 31.JAN.2022 06:44:42



Date: 31.JAN.2022 06:53:30

Middle Channel / FullRB

N/A



Date: 31.JAN.2022 06:37:19

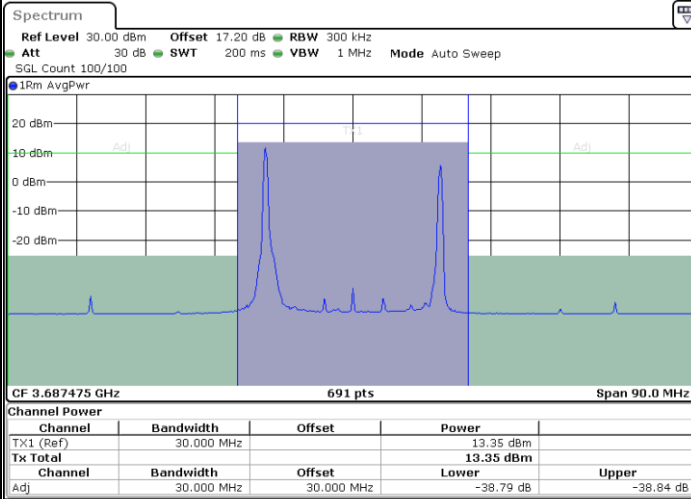


LTE Band 48C / 20MHz+5MHz

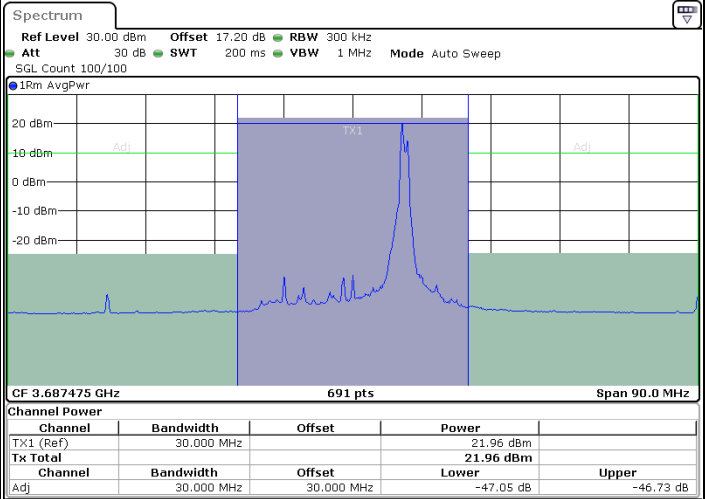
QPSK

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB99 and 1RB0



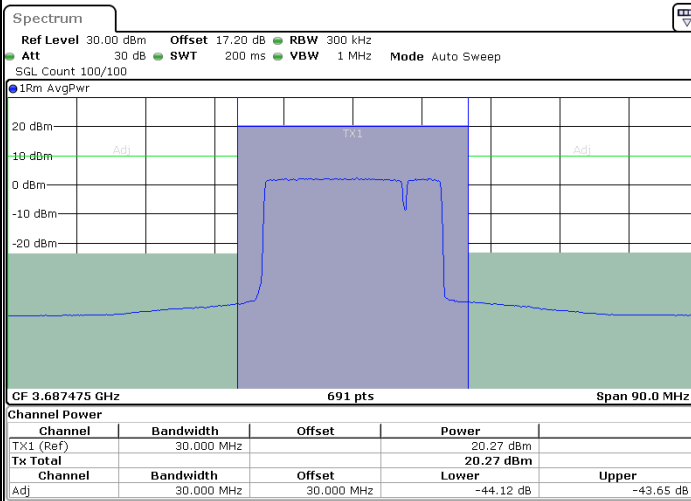
Date: 31.JAN.2022 07:14:30



Date: 31.JAN.2022 07:23:20

Highest Channel / FullIRB

N/A



Date: 31.JAN.2022 07:07:08

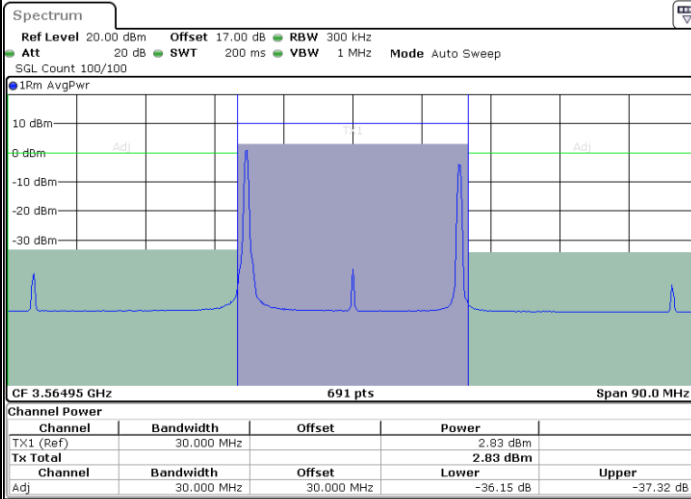


LTE Band 48C / 20MHz+10MHz

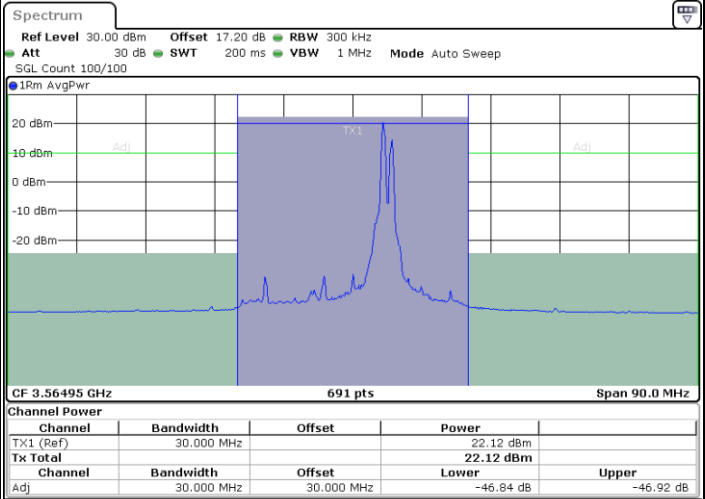
QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



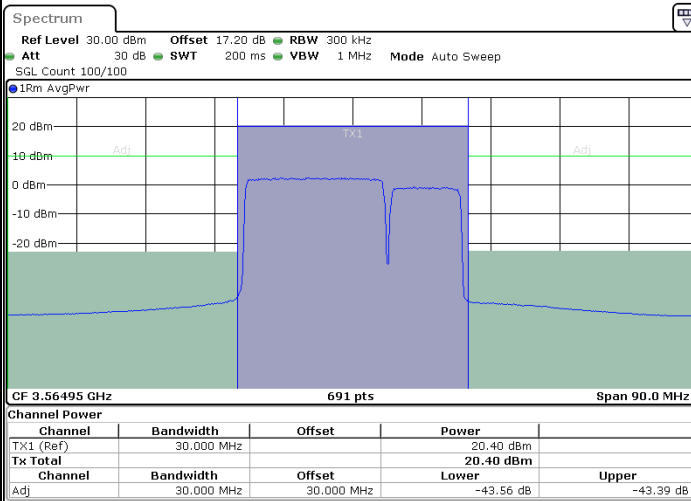
Date: 1.DEC.2021 21:19:00



Date: 31.JAN.2022 08:08:20

Lowest Channel / FullIRB

N/A



Date: 31.JAN.2022 07:52:09

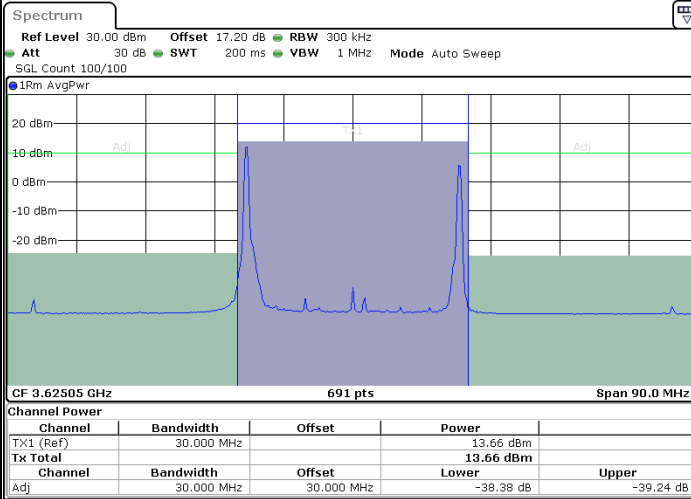


LTE Band 48C / 20MHz+10MHz

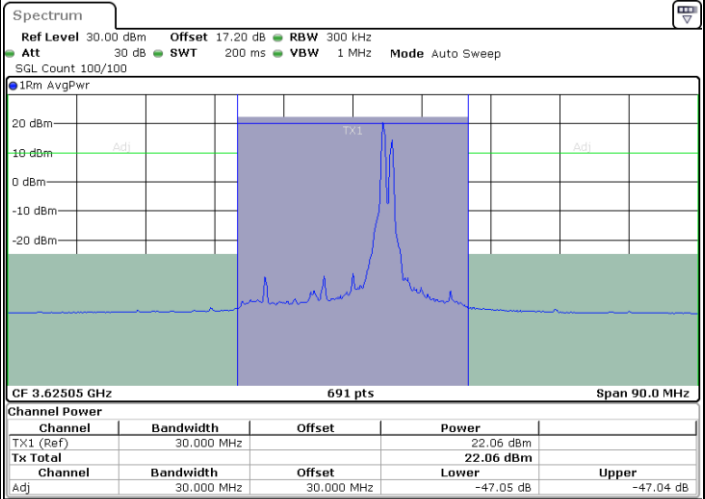
QPSK

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



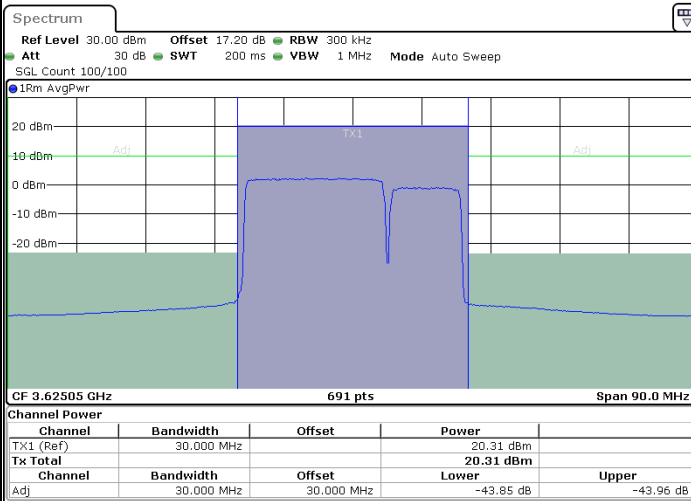
Date: 31.JAN.2022 08:29:21



Date: 31.JAN.2022 08:38:09

Middle Channel / FullRB

N/A



Date: 31.JAN.2022 08:21:58

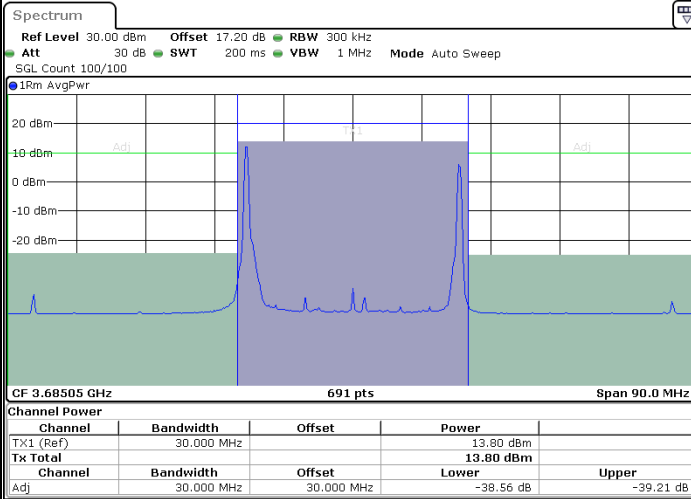


LTE Band 48C / 20MHz+10MHz

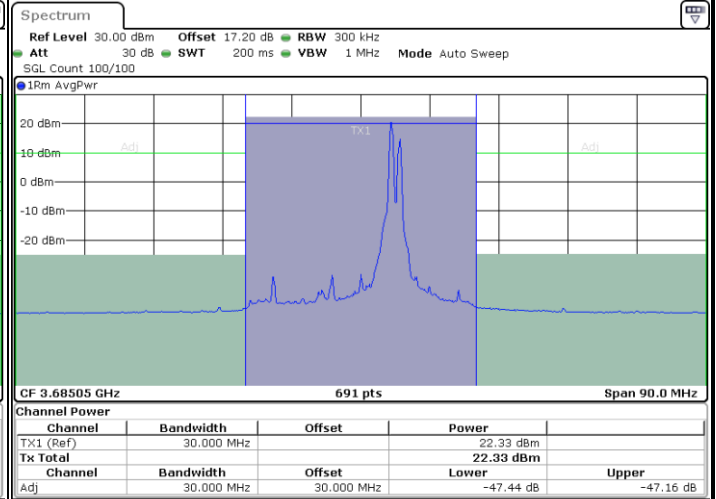
QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



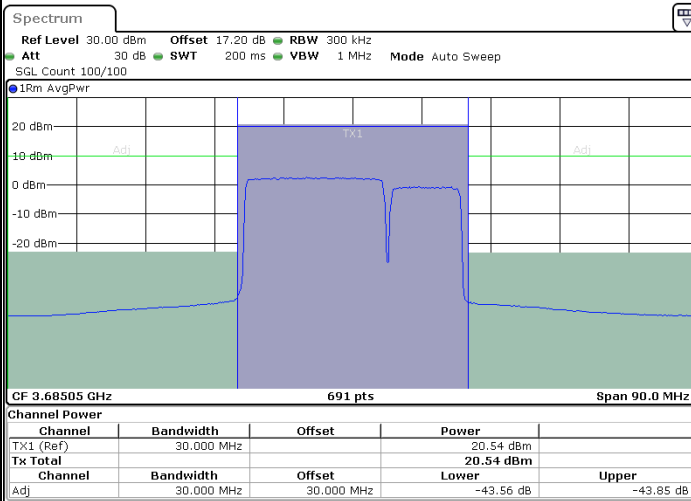
Date: 31.JAN.2022 08:59:09



Date: 31.JAN.2022 09:07:58

Highest Channel / FullIRB

N/A



Date: 31.JAN.2022 08:51:47

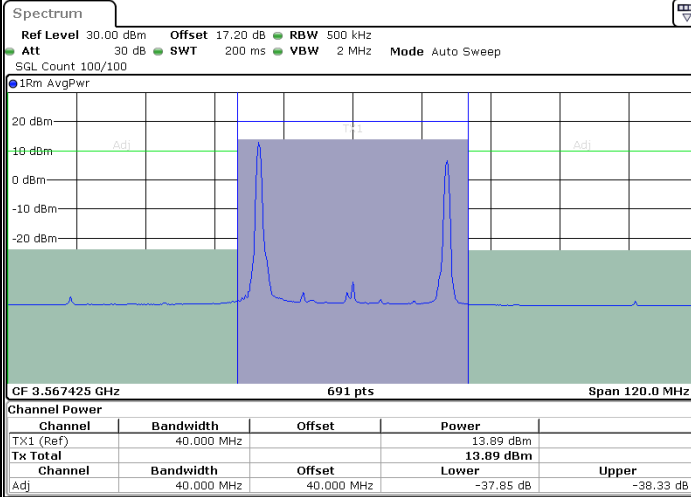


LTE Band 48C / 20MHz+15MHz

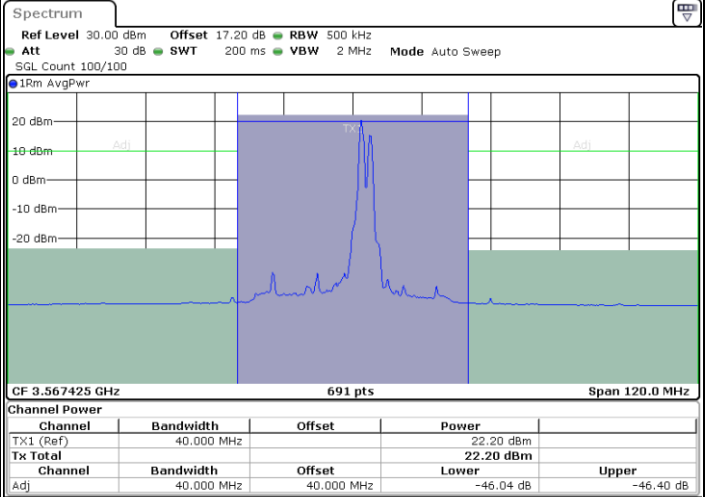
QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



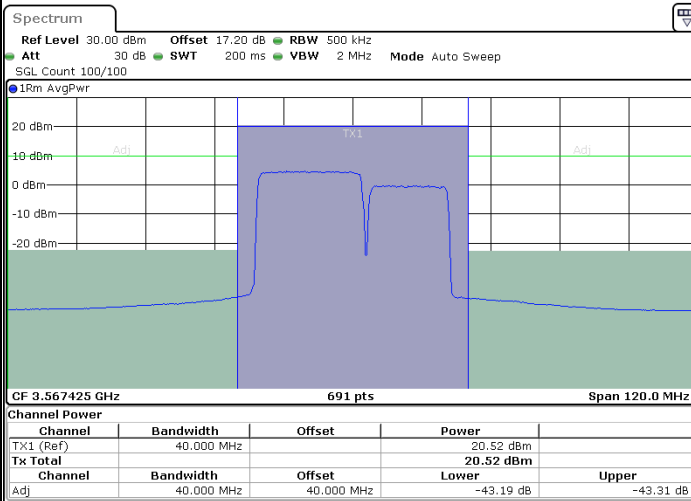
Date: 31.JAN.2022 09:36:20



Date: 31.JAN.2022 09:45:13

Lowest Channel / FullIRB

N/A



Date: 31.JAN.2022 09:28:55

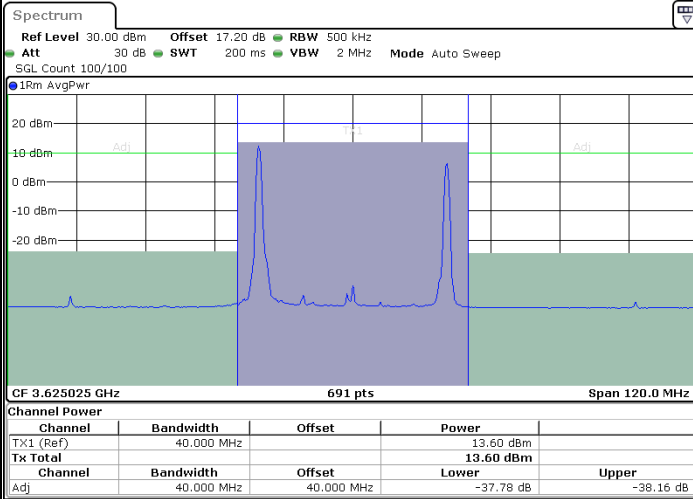


LTE Band 48C / 20MHz+15MHz

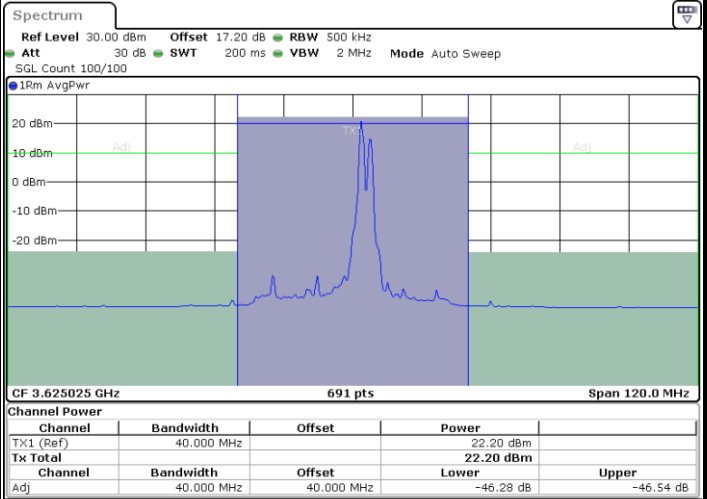
QPSK

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



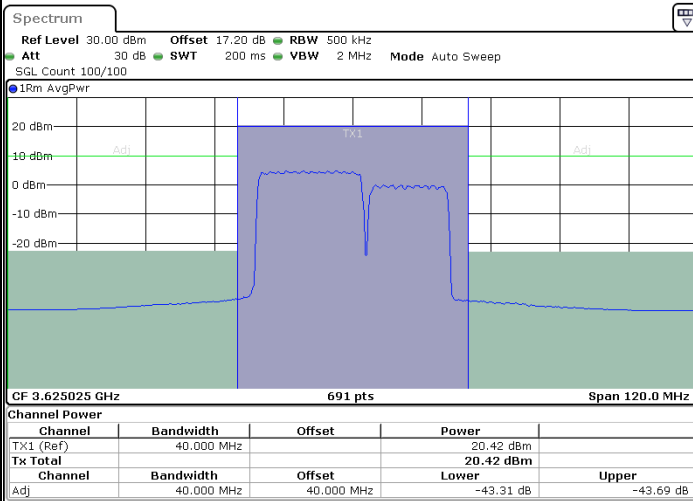
Date: 31.JAN.2022 10:06:18



Date: 31.JAN.2022 10:15:09

Middle Channel / FullRB

N/A



Date: 31.JAN.2022 09:58:53

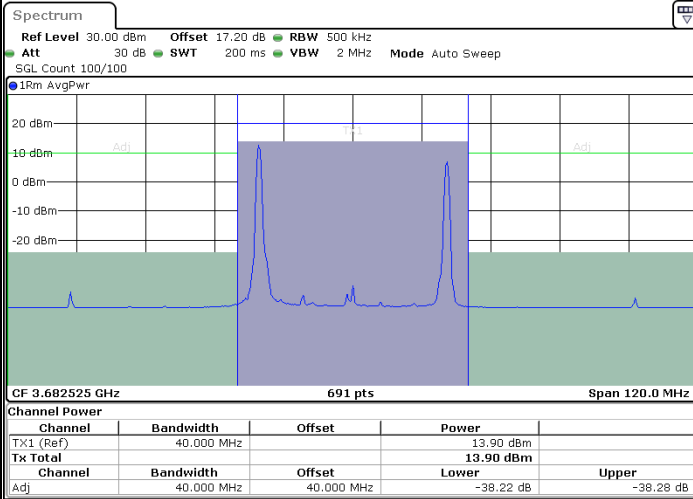


LTE Band 48C / 20MHz+15MHz

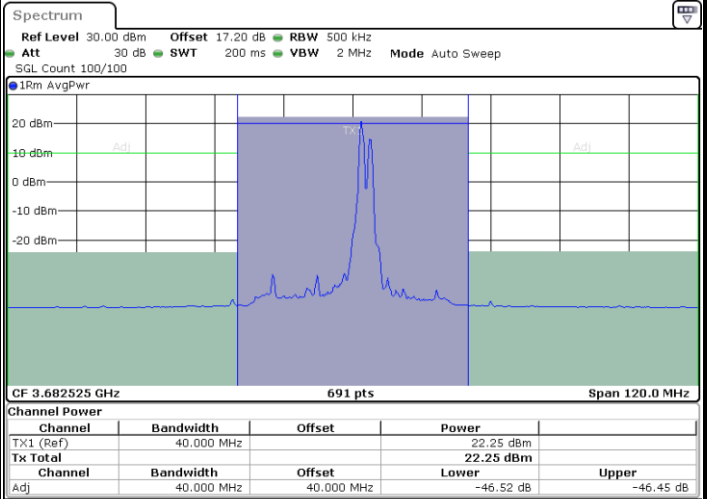
QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



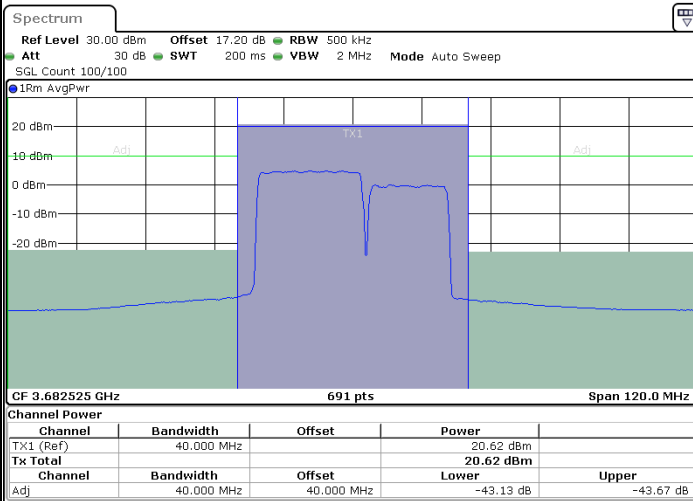
Date: 31.JAN.2022 10:36:15



Date: 31.JAN.2022 10:45:05

Highest Channel / FullIRB

N/A



Date: 31.JAN.2022 10:28:51

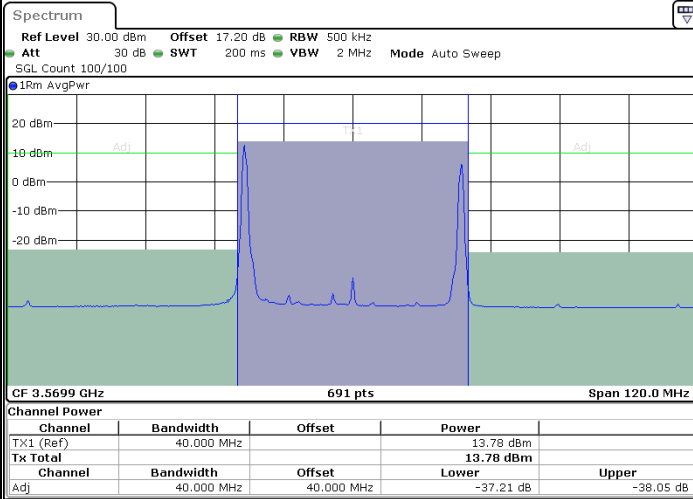


LTE Band 48C / 20MHz+20MHz

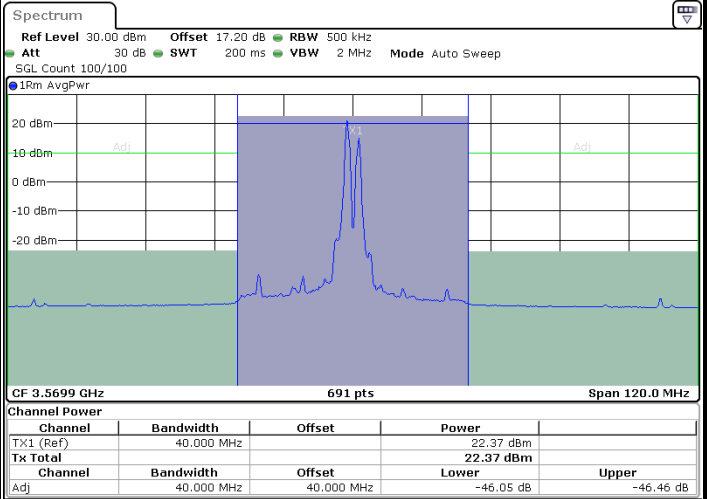
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



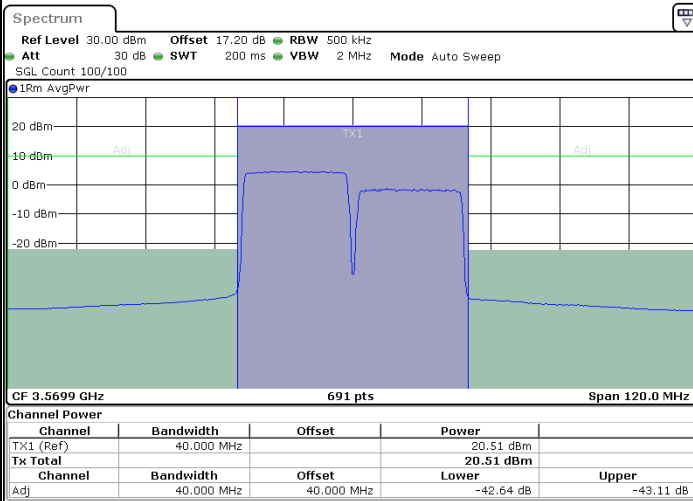
Date: 29.JAN.2022 03:16:20



Date: 29.JAN.2022 03:25:10

Lowest Channel / FullIRB

N/A



Date: 29.JAN.2022 03:08:56

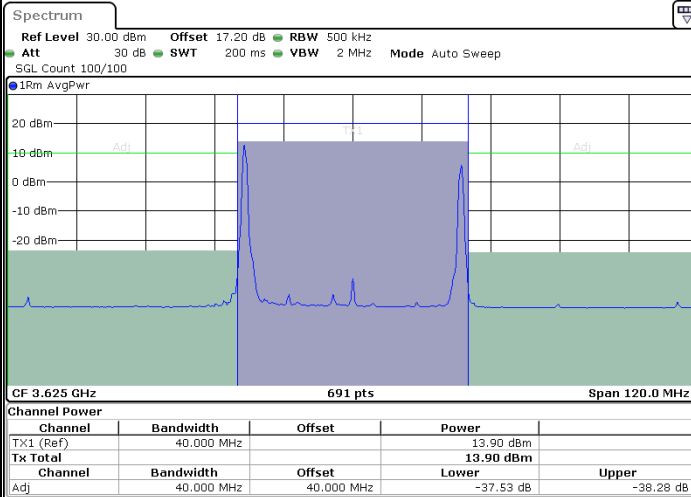


LTE Band 48C / 20MHz+20MHz

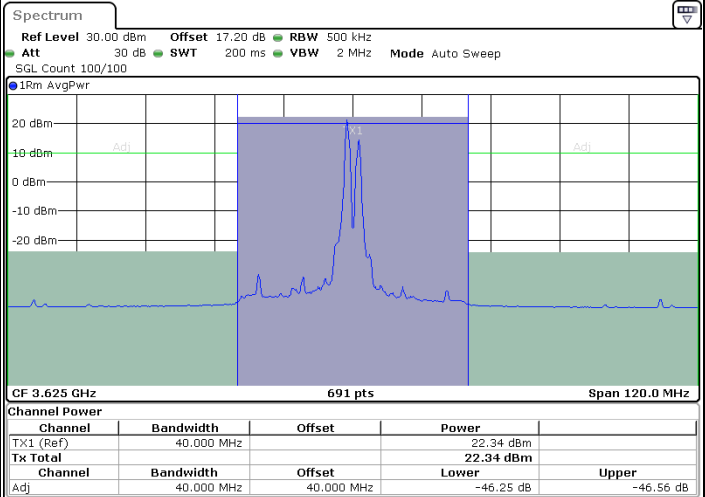
QPSK

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



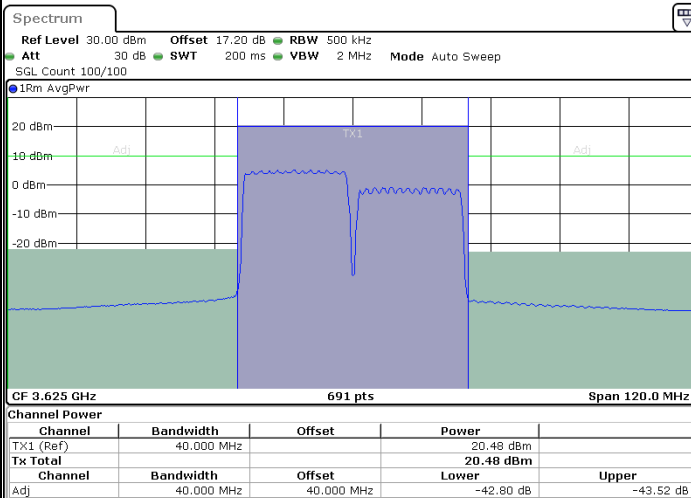
Date: 29.JAN.2022 03:46:14



Date: 29.JAN.2022 03:55:06

Middle Channel / FullRB

N/A



Date: 29.JAN.2022 03:38:49

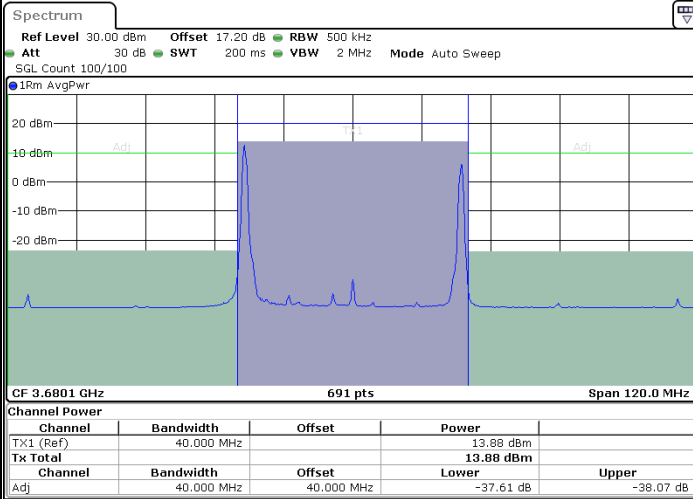


LTE Band 48C / 20MHz+20MHz

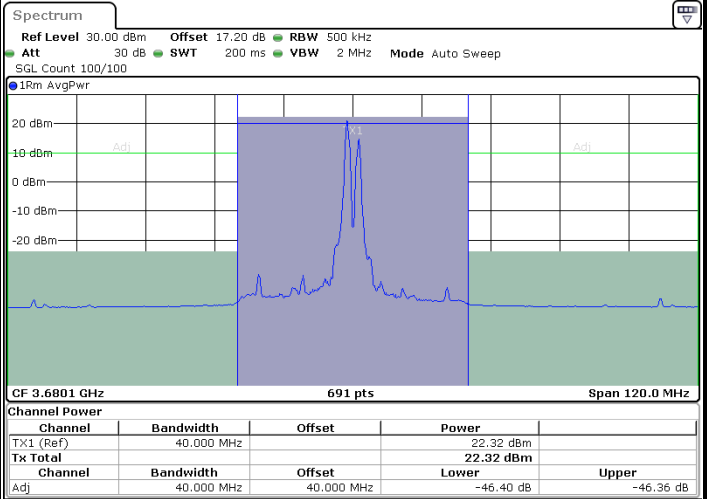
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



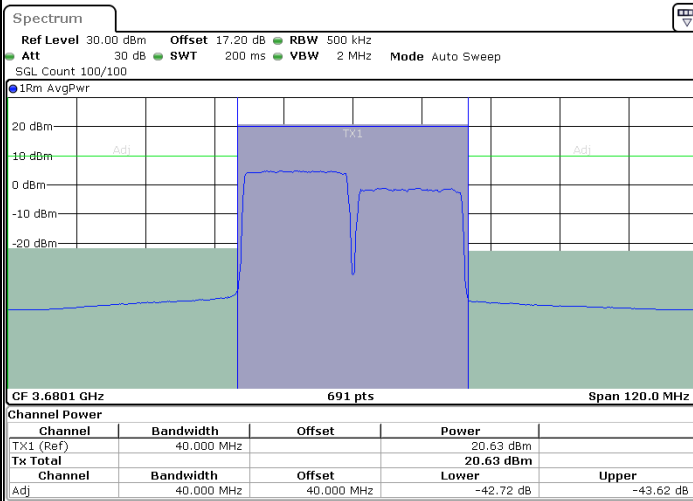
Date: 29.JAN.2022 02:46:30



Date: 29.JAN.2022 02:55:19

Highest Channel / FullIRB

N/A



Date: 29.JAN.2022 02:39:06

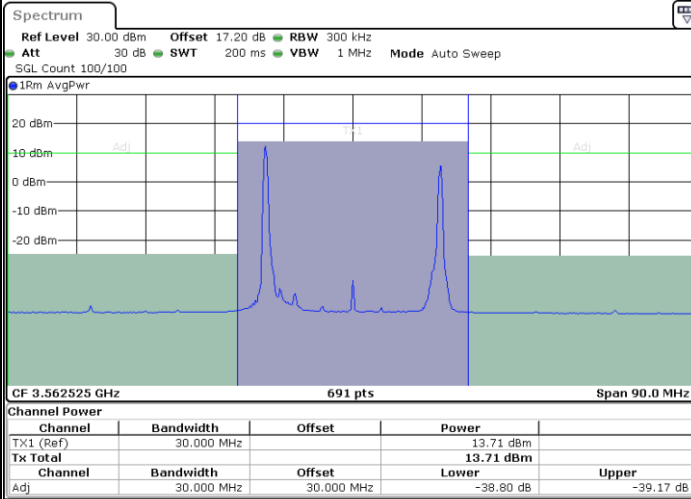


LTE Band 48C / 5MHz+20MHz

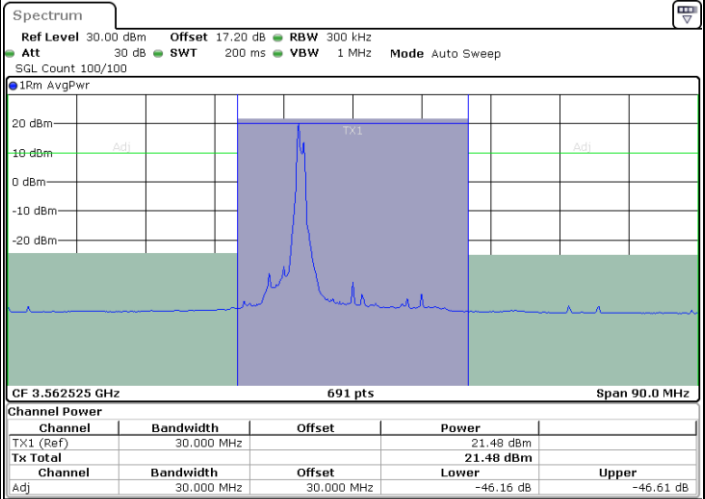
16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



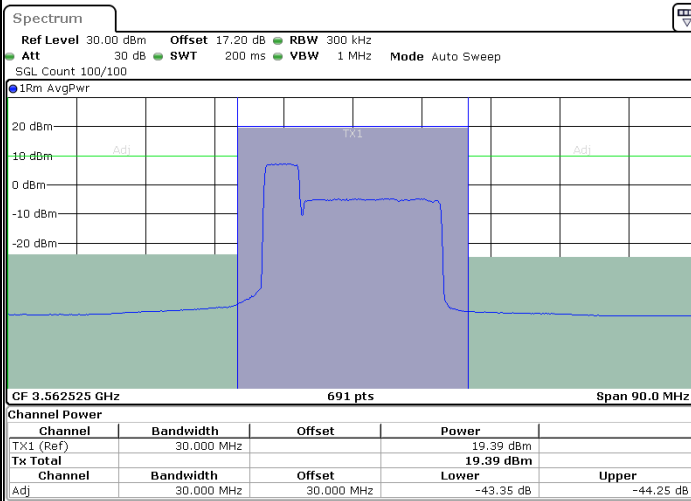
Date: 29.JAN.2022 05:57:55



Date: 29.JAN.2022 06:07:50

Lowest Channel / FullIRB

N/A



Date: 29.JAN.2022 05:46:54

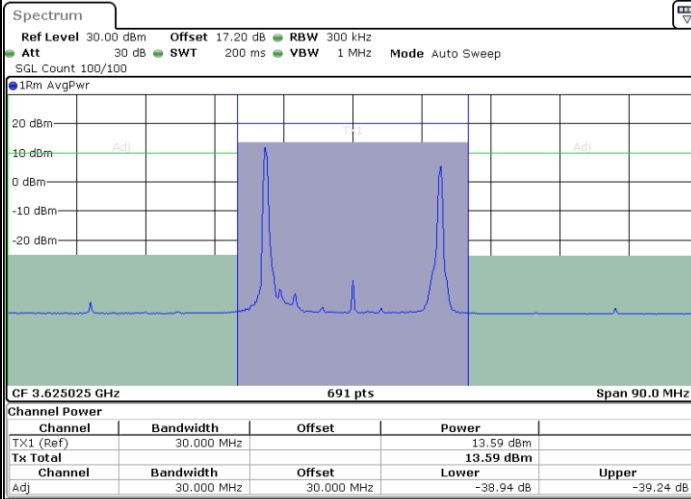


LTE Band 48C / 5MHz+20MHz

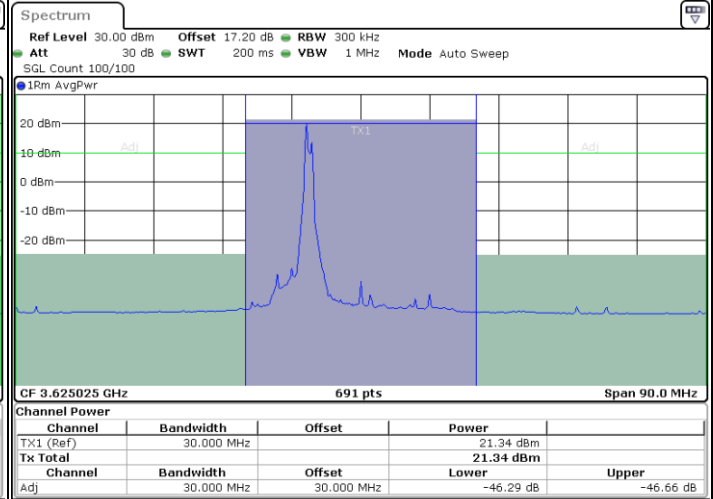
16QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



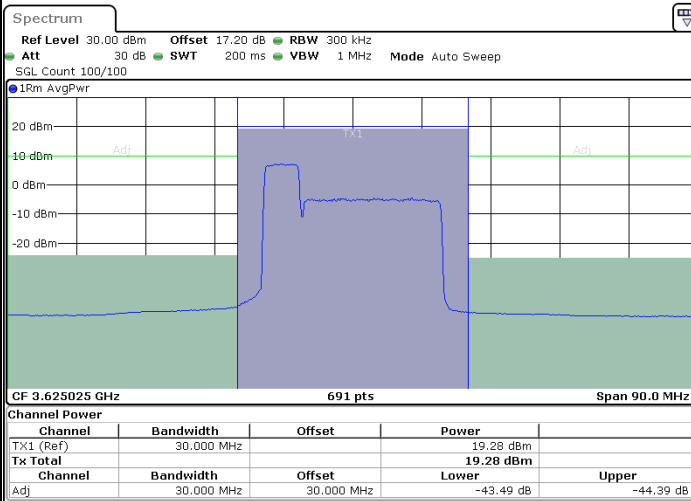
Date: 29.JAN.2022 06:27:45



Date: 29.JAN.2022 06:37:41

Middle Channel / FullRB

N/A



Date: 29.JAN.2022 06:16:44