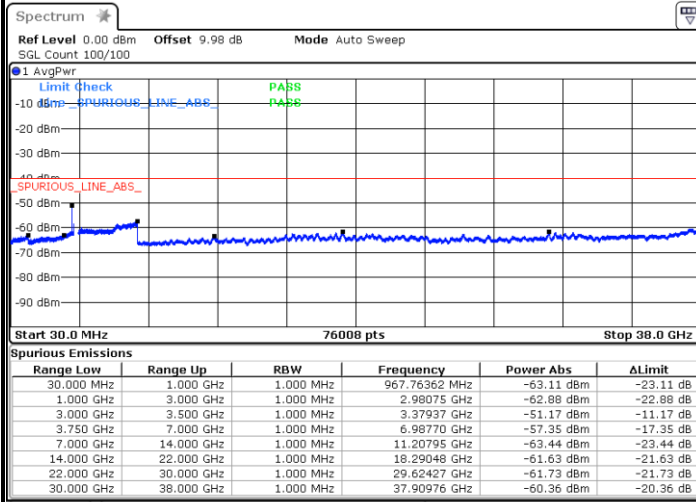




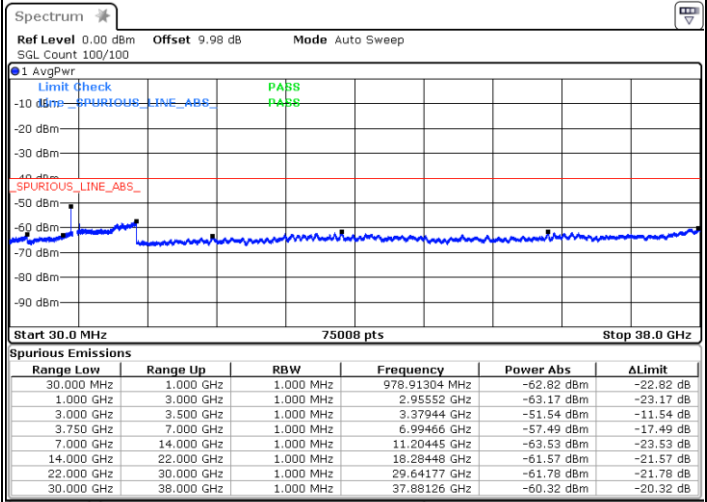
LTE Band 48 / 10MHz

Lowest Channel / 256QAM



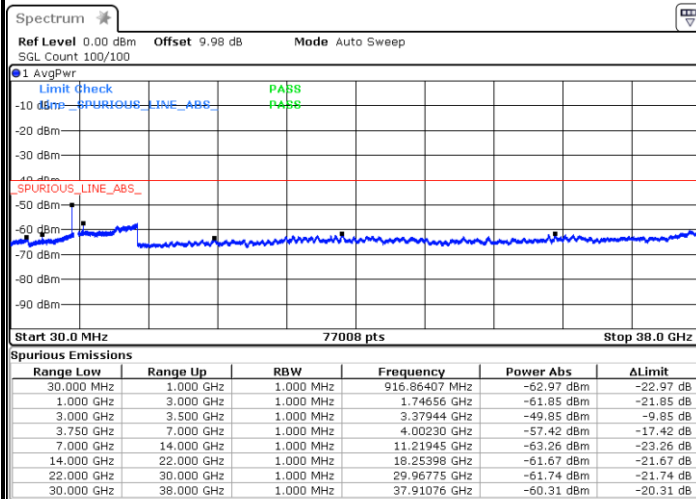
Date: 15 JUL 2020 06:04:24

Middle Channel / 256QAM



Date: 15 JUL 2020 06:16:09

Highest Channel / 256QAM



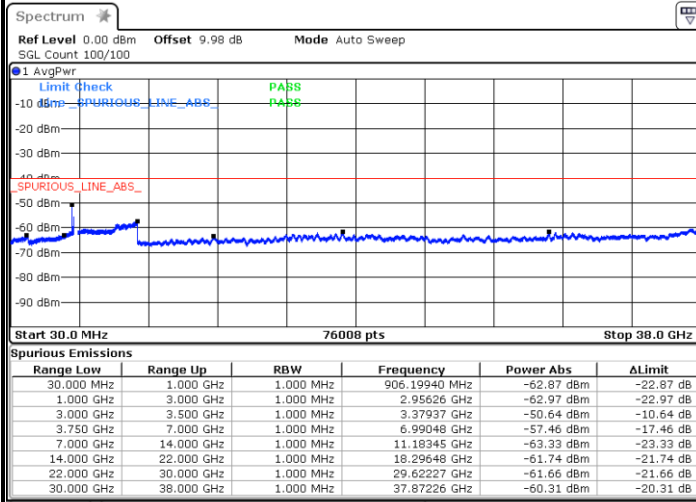
Date: 15 JUL 2020 06:31:32

N/A



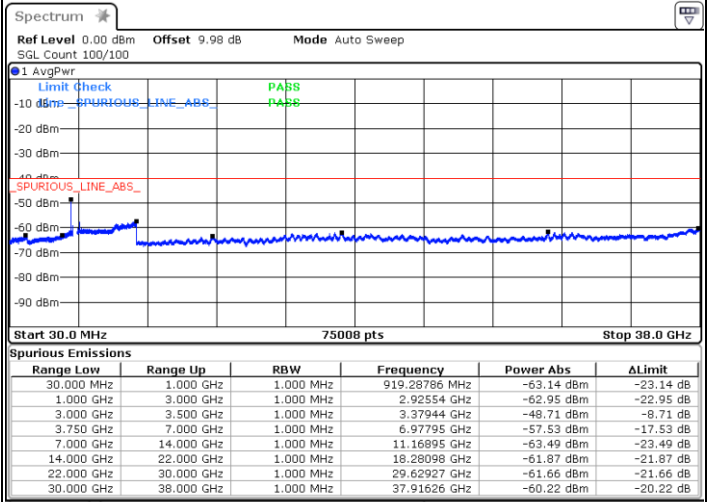
LTE Band 48 / 15MHz

Lowest Channel / 256QAM



Date: 15 JUL 2020 06:51:25

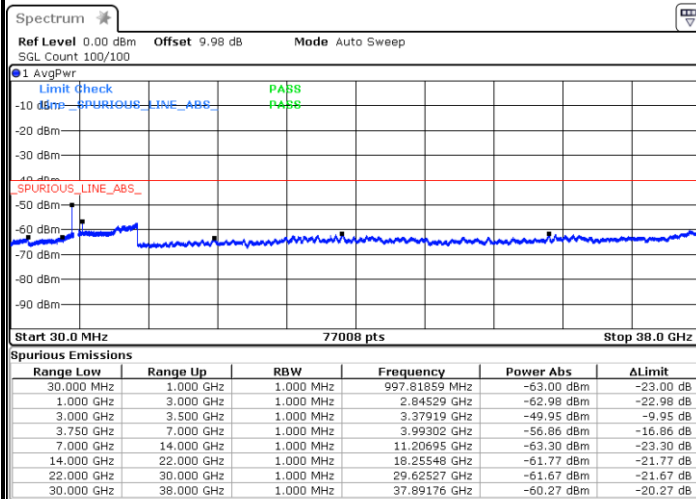
Middle Channel / 256QAM



Date: 15 JUL 2020 06:54:04

Highest Channel / 256QAM

N/A

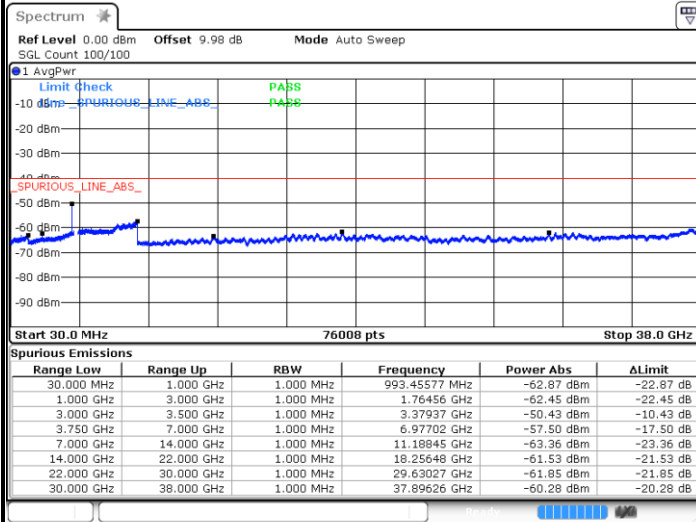


Date: 15 JUL 2020 07:05:23



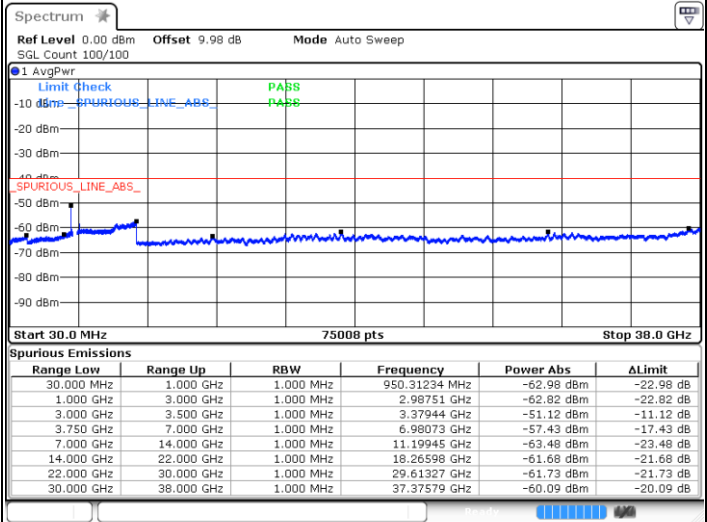
LTE Band 48 / 20MHz

Lowest Channel / 256QAM



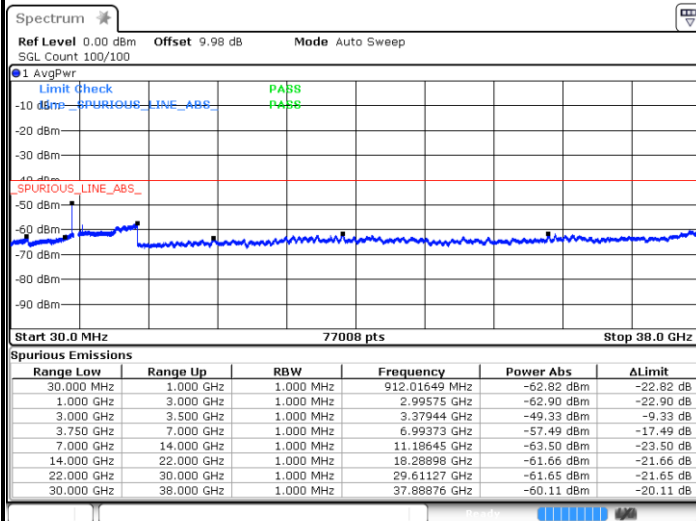
Date: 15 JUL 2020 07:27:23

Middle Channel / 256QAM



Date: 15 JUL 2020 07:17:45

Highest Channel / 256QAM



Date: 15 JUL 2020 07:46:40

N/A

A1.6. 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	0.0000	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =110 V. ; Battery End Point (BEP) =100 V. ; Maximum Voltage =120 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

A2. LTE Band 48C

A2.1. EIRP

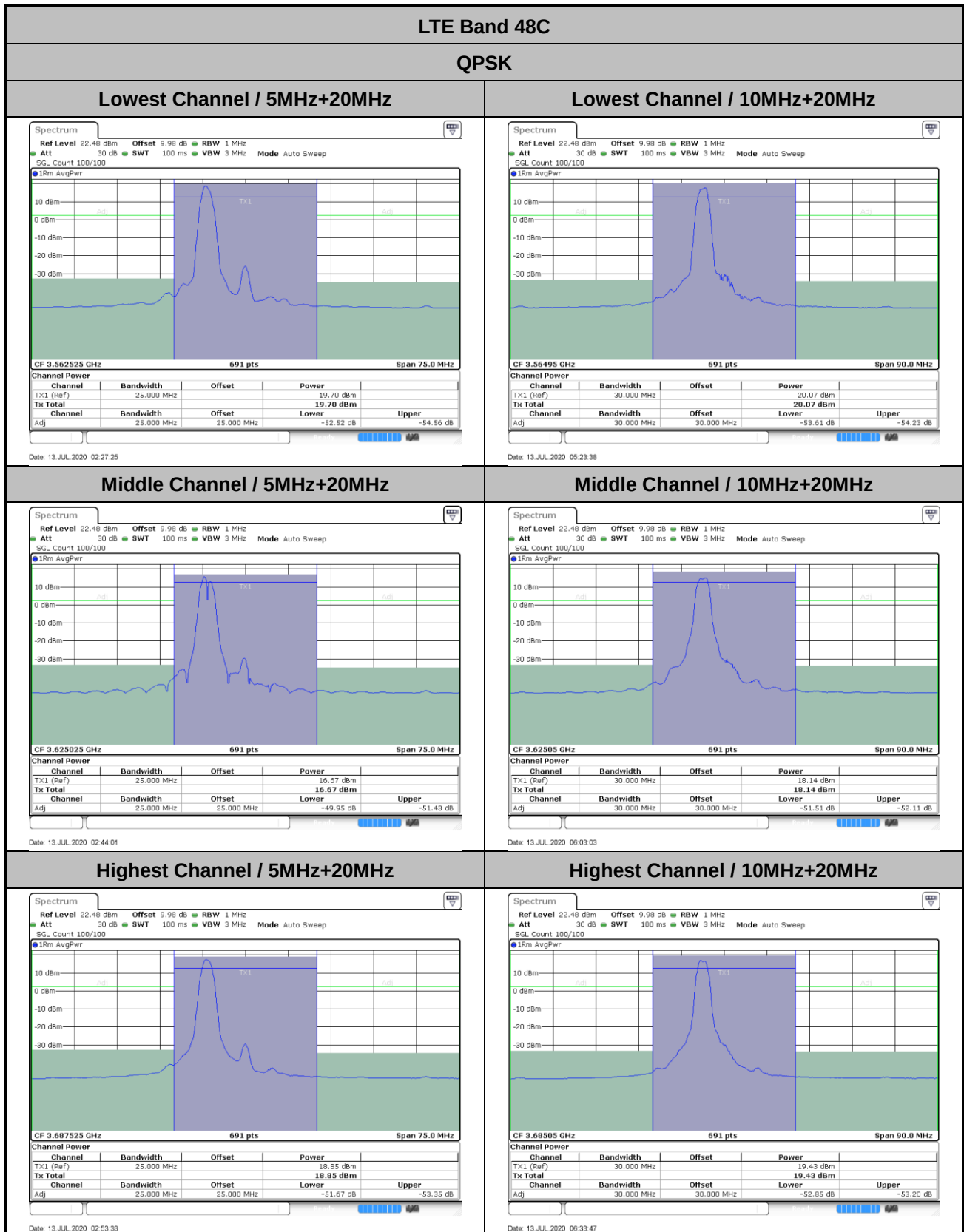
Full RB0

Mode	LTE Band 48 : Conducted EIRP (dBm/10MHz)							
BW	5MHz+20MHz		10MHz+20MHz		15MHz+20MHz		20M+5M	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	15.82	15.45	15.79	15.34	15.72	15.25	15.89	15.18
Middle CH	15.84	15.42	15.88	15.29	15.82	15.24	15.84	15.21
Highest CH	15.89	15.43	15.86	15.31	15.79	15.22	15.87	15.24
Limit	23dBm /10MHz							
Result	Pass							
Mode	LTE Band 48 : Conducted EIRP (dBm/10MHz)							
BW	20M+10M		20M+15M		20M+20M		N/A	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	-	-
Lowest CH	15.91	15.19	15.88	15.15	15.79	15.12	-	-
Middle CH	15.88	15.22	15.87	15.14	15.74	15.23	-	-
Highest CH	15.83	15.17	15.84	15.16	15.77	15.26	-	-
Limit	23dBm /10MHz							
Result	Pass							

Mode	LTE Band 48 : Conducted EIRP (dBm/10MHz)						
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20M+5M	20M+10M	20M+15M	20M+20M
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	14.89	15.11	15.14	15.09	15.09	15.12	15.14
Middle CH	14.95	15.08	15.09	15.12	15.07	15.14	15.09
Highest CH	15.05	15.07	15.07	15.08	15.06	15.11	15.07
Limit	23dBm /10MHz						
Result	Pass						
Mode	LTE Band 48 : Conducted EIRP (dBm/10MHz)						
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20M+5M	20M+10M	20M+15M	20M+20M
Mod.	256QAM	256QAM	256QAM	256QAM	256QAM	256QAM	256QAM
Lowest CH	15.22	15.21	15.19	15.22	15.26	15.19	15.18
Middle CH	15.25	15.28	15.24	15.19	15.27	15.13	15.22
Highest CH	15.24	15.23	15.18	15.17	15.29	15.23	15.17
Limit	23dBm /10MHz						
Result	Pass						



ACLR

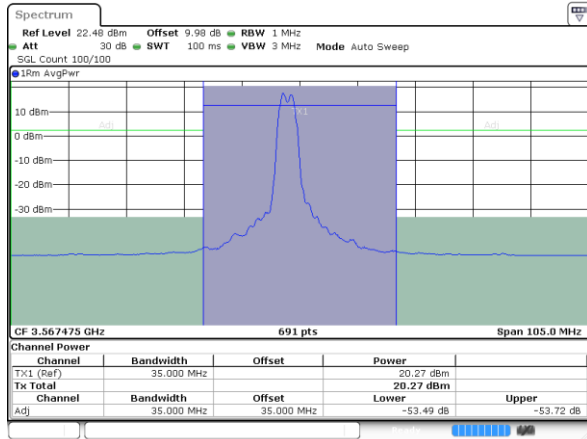




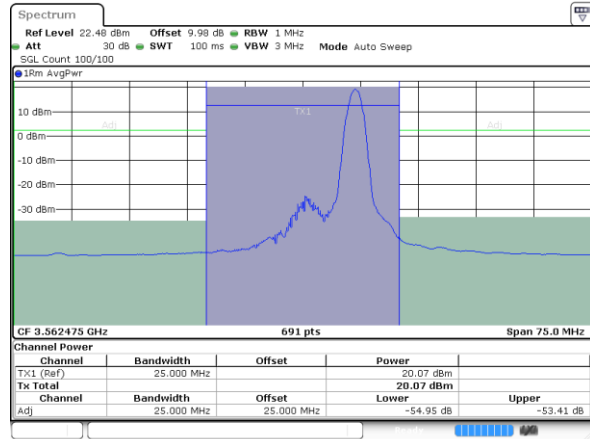
LTE Band 48C

QPSK

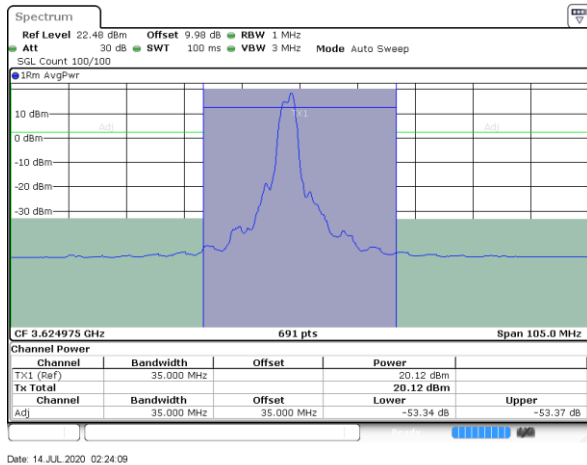
Lowest Channel / 15MHz+20MHz



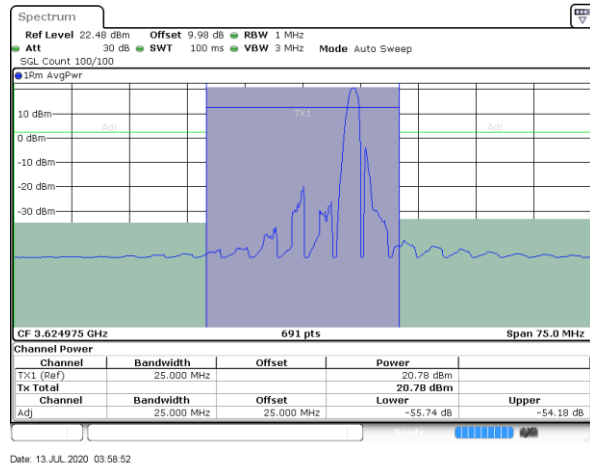
Lowest Channel / 20MHz+5MHz



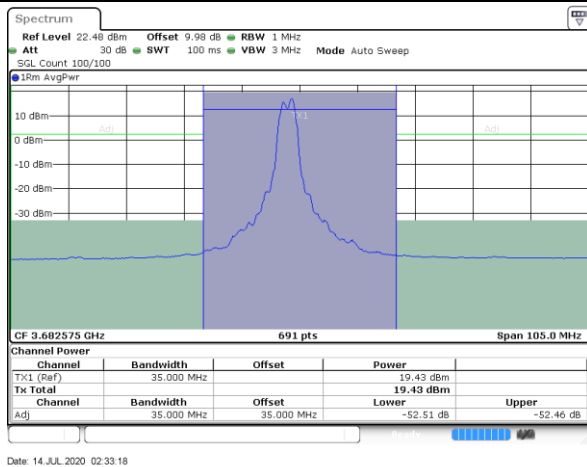
Middle Channel / 15MHz+20MHz



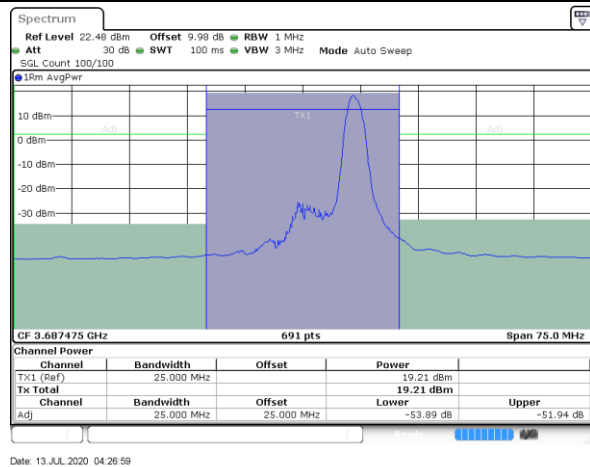
Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz

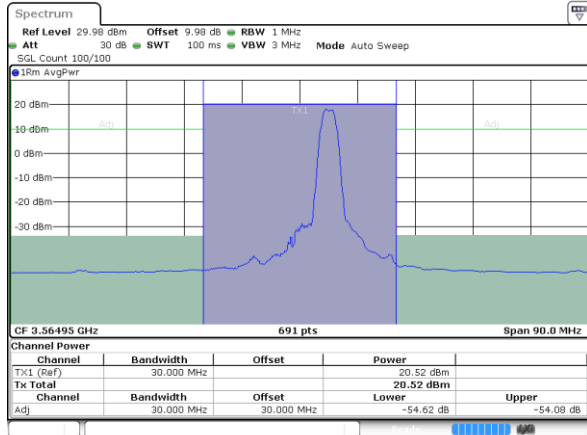




LTE Band 48C

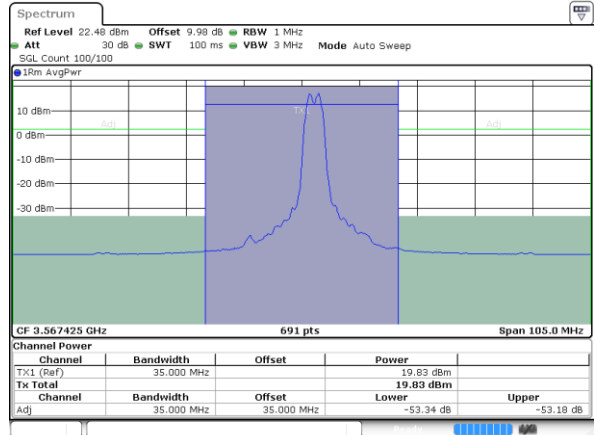
QPSK

Lowest Channel / 20MHz+10MHz



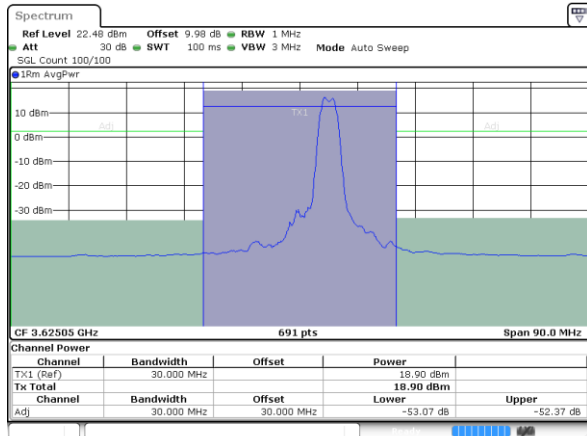
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Lowest Channel / 20MHz+15MHz



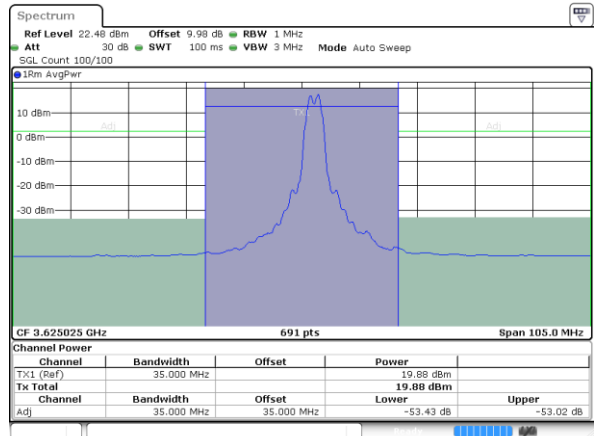
Date: 14 JUL 2020 02:43:29

Middle Channel / 20MHz+10MHz



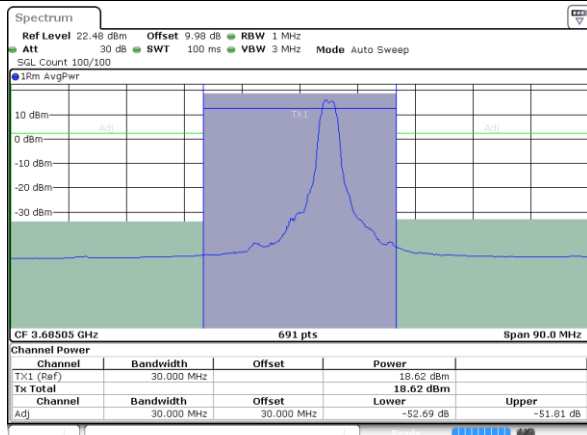
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Middle Channel / 20MHz+15MHz



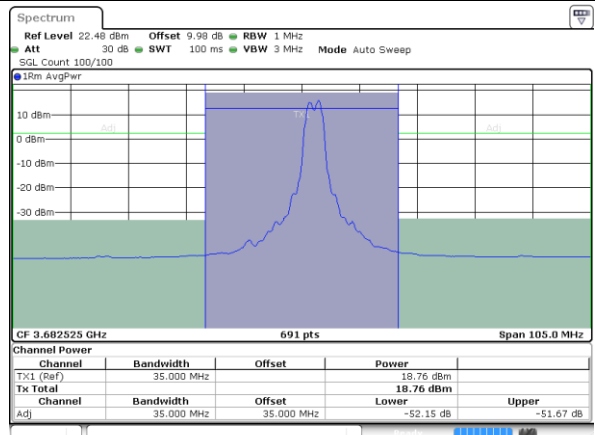
Date: 14 JUL 2020 03:28:26

Highest Channel / 20MHz+10MHz



Date: 13 JUL 2020 01:25:36

Highest Channel / 20MHz+15MHz



Date: 14 JUL 2020 03:41:53

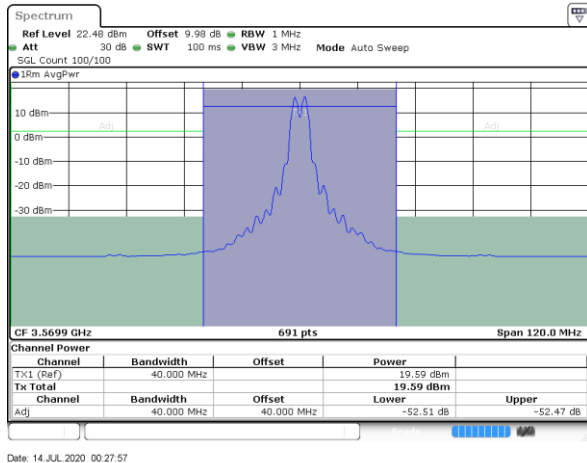


LTE Band 48C

QPSK

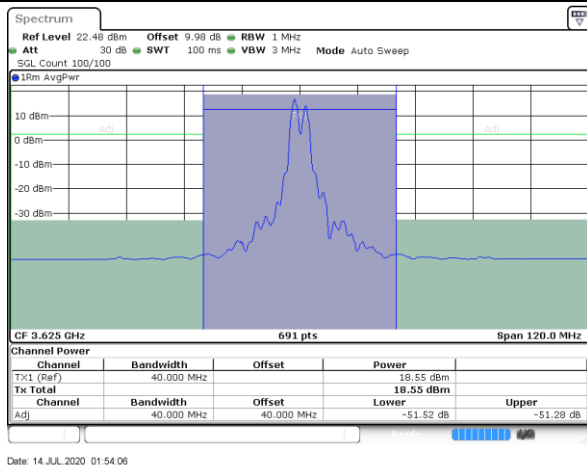
Lowest Channel / 20MHz+20MHz

N/A



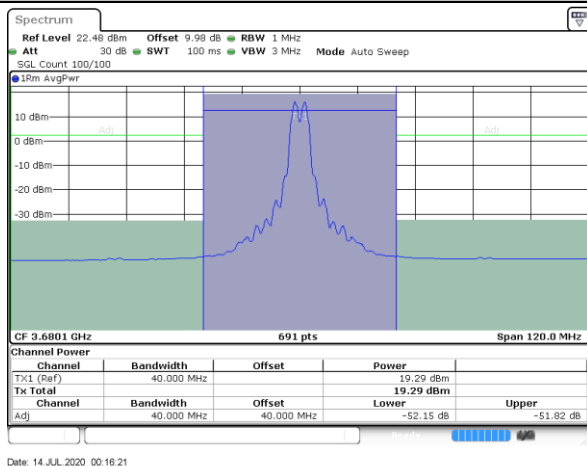
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

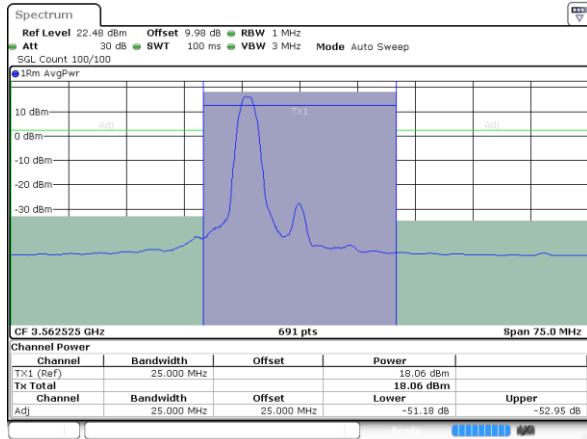




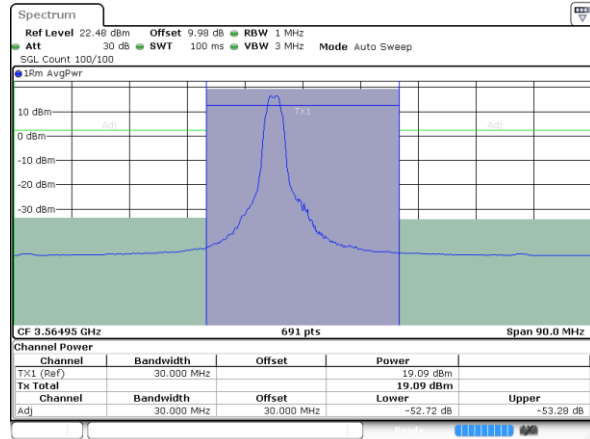
LTE Band 48C

16QAM

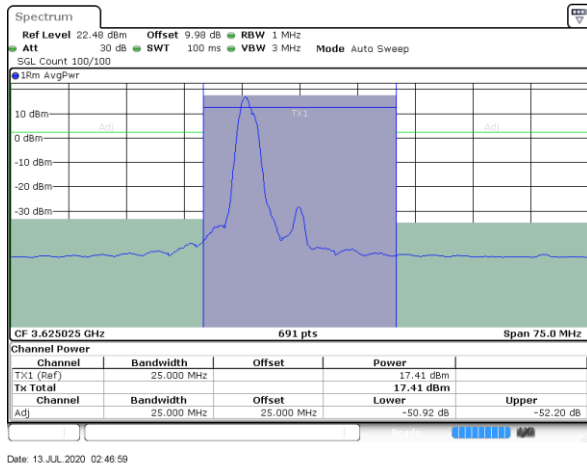
Lowest Channel / 5MHz+20MHz



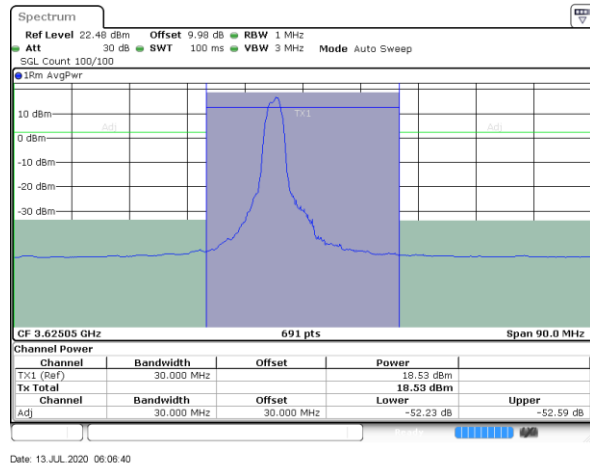
Lowest Channel / 10MHz+20MHz



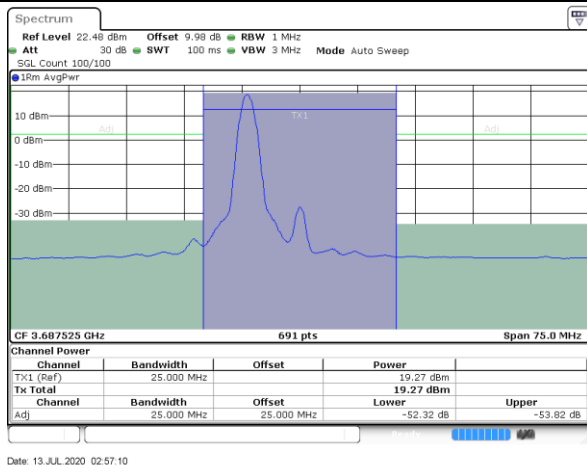
Middle Channel / 5MHz+20MHz



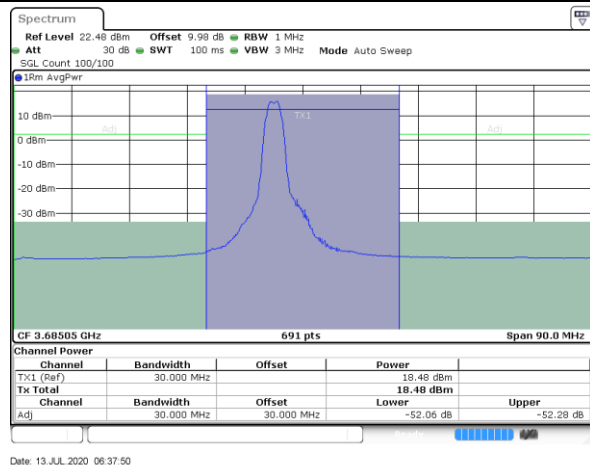
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

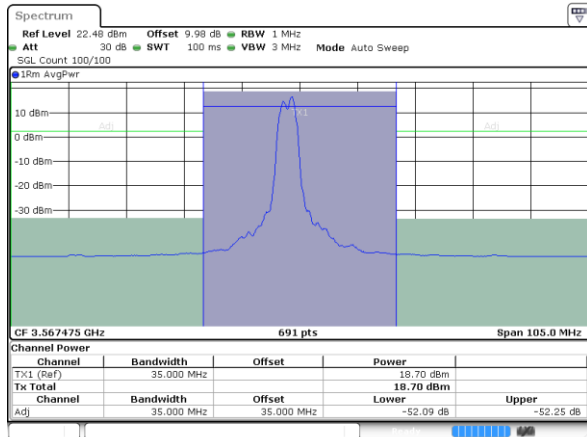




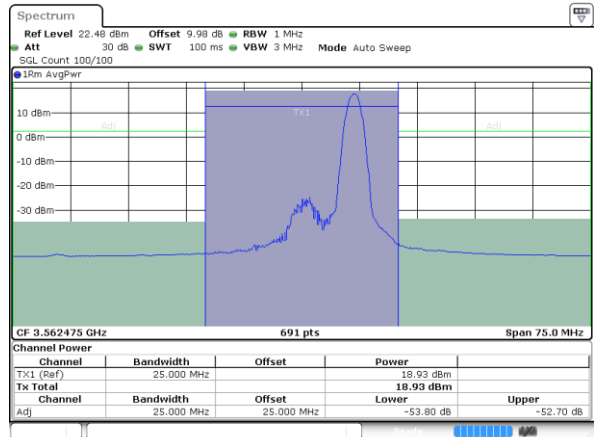
LTE Band 48C

16QAM

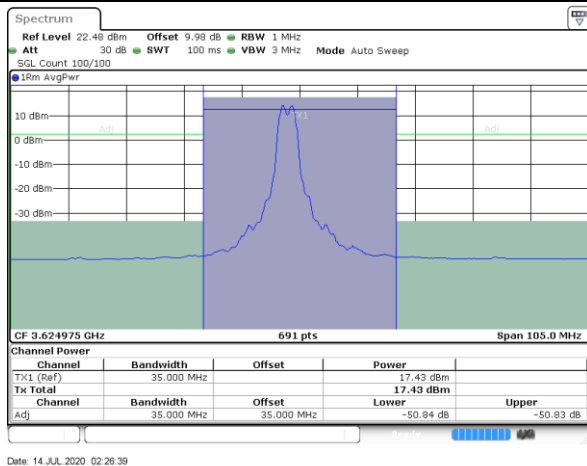
Lowest Channel / 15MHz+20MHz



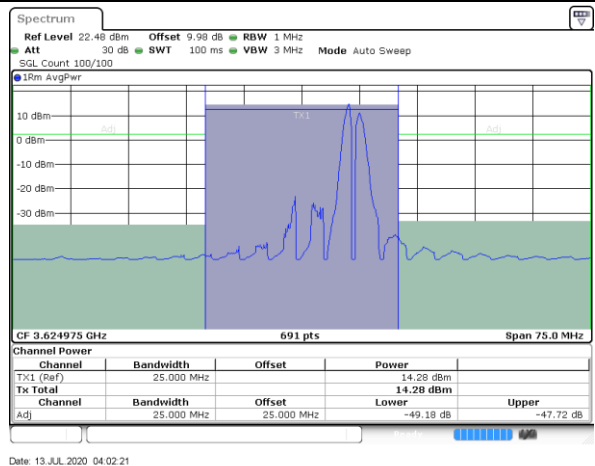
Lowest Channel / 20MHz+5MHz



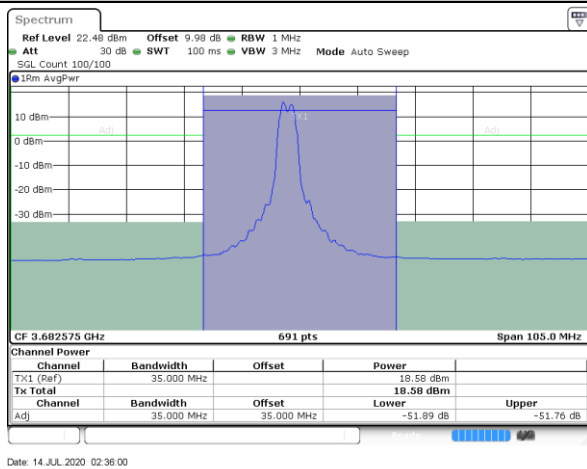
Middle Channel / 15MHz+20MHz



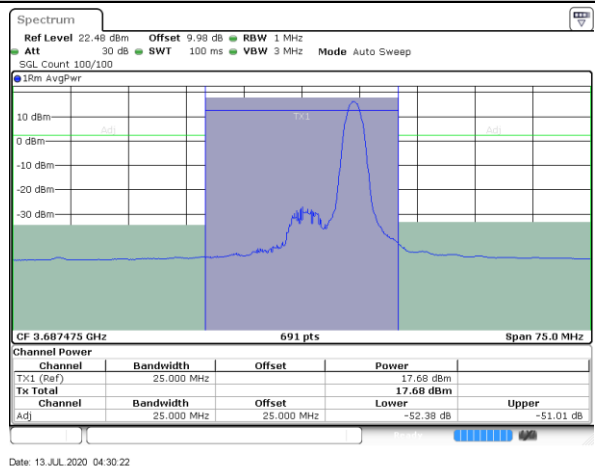
Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz

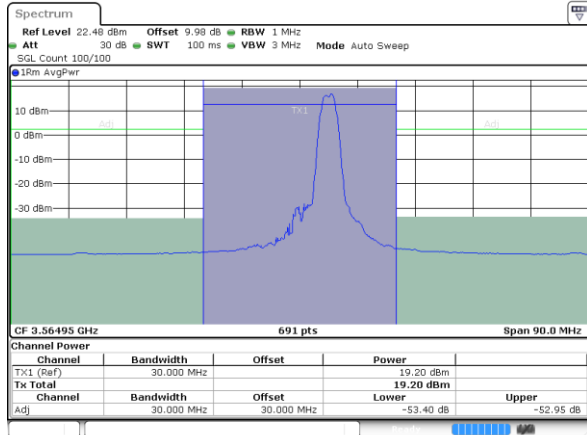




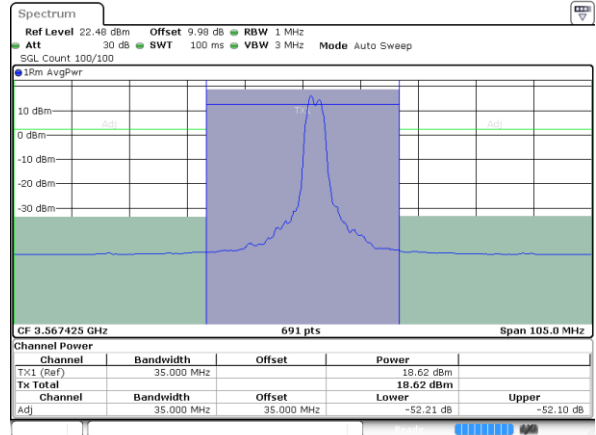
LTE Band 48C

16QAM

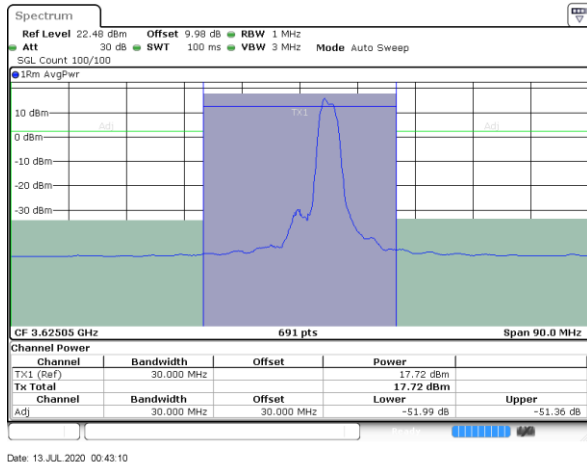
Lowest Channel / 20MHz+10MHz



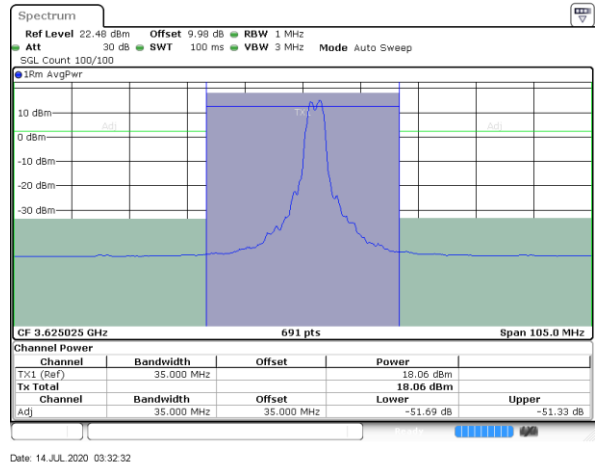
Lowest Channel / 20MHz+15MHz



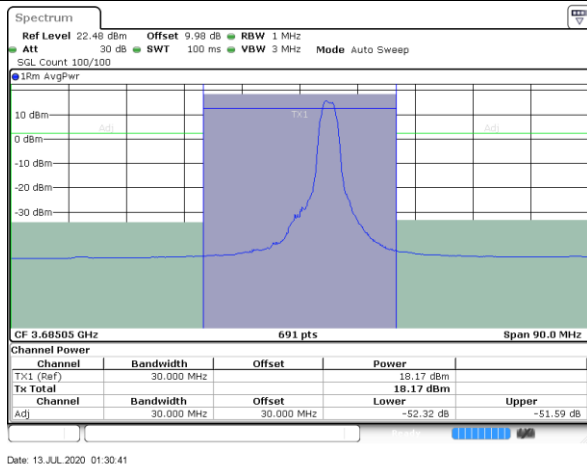
Middle Channel / 20MHz+10MHz



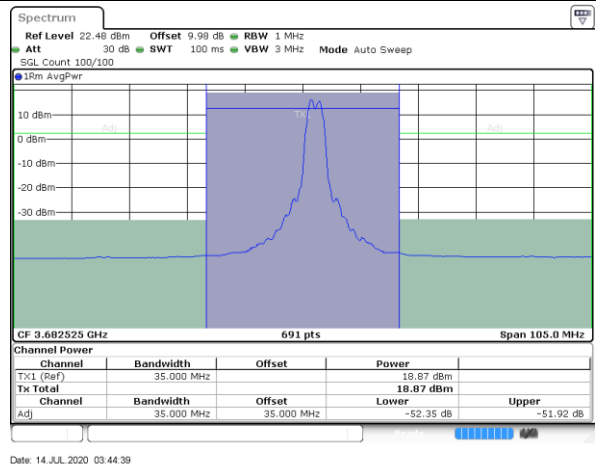
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



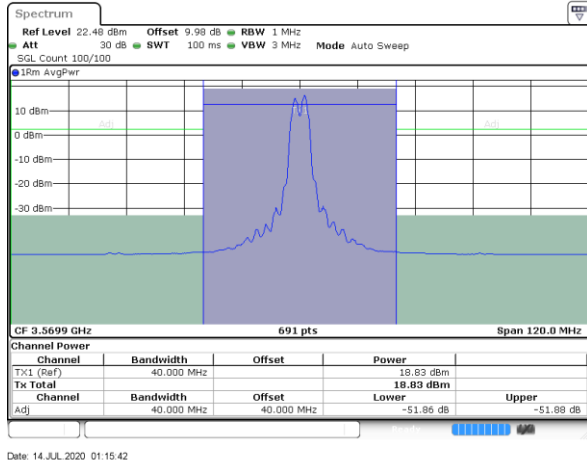


LTE Band 48C

16QAM

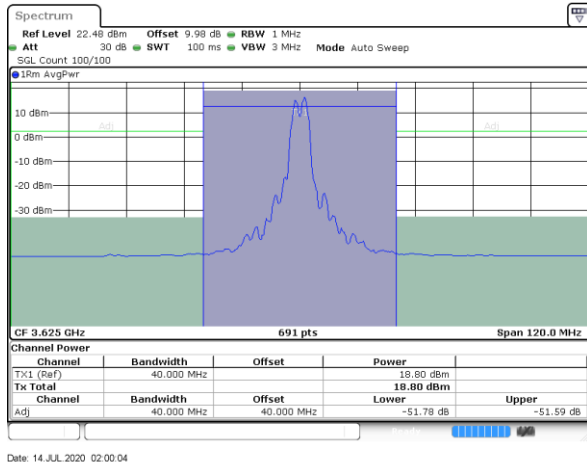
Lowest Channel / 20MHz+20MHz

N/A



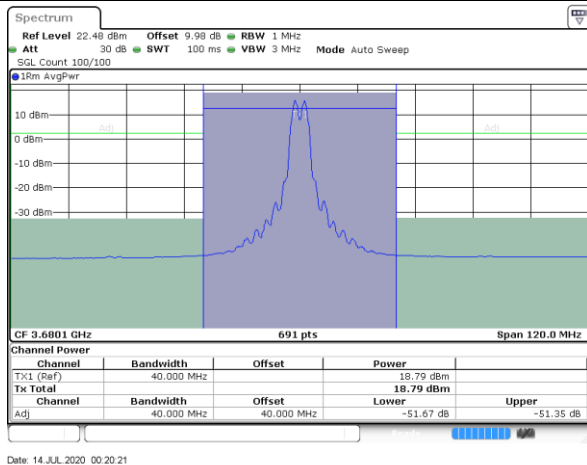
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

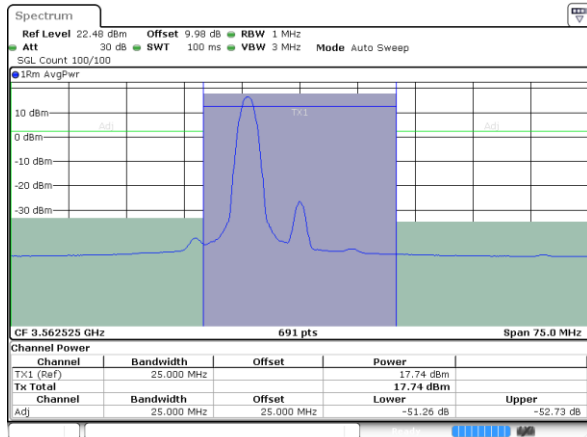




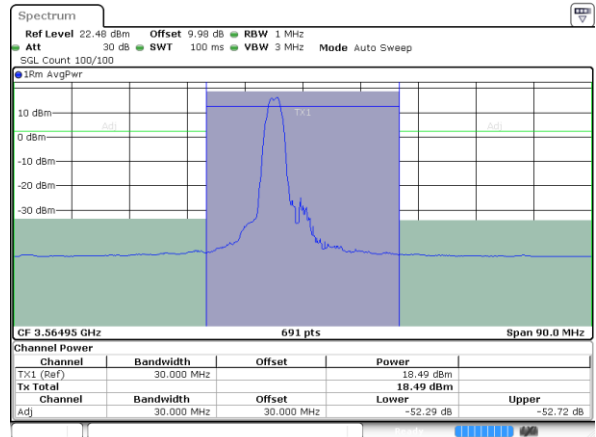
LTE Band 48C

64QAM

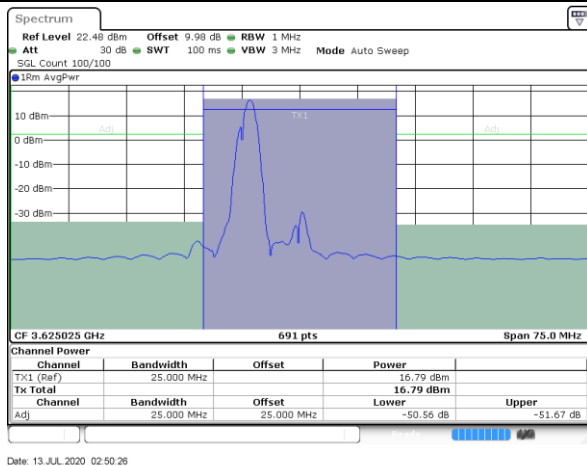
Lowest Channel / 5MHz+20MHz



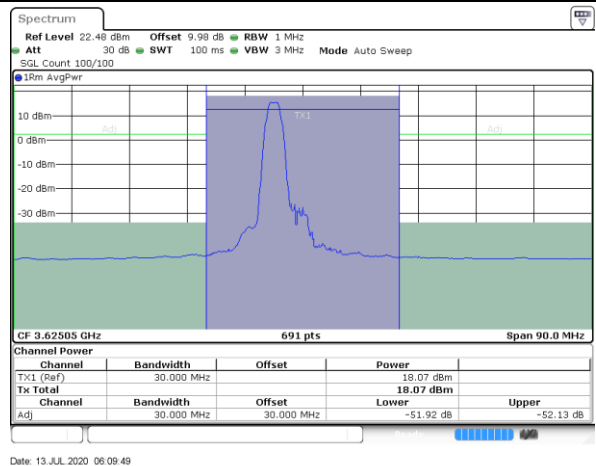
Lowest Channel / 10MHz+20MHz



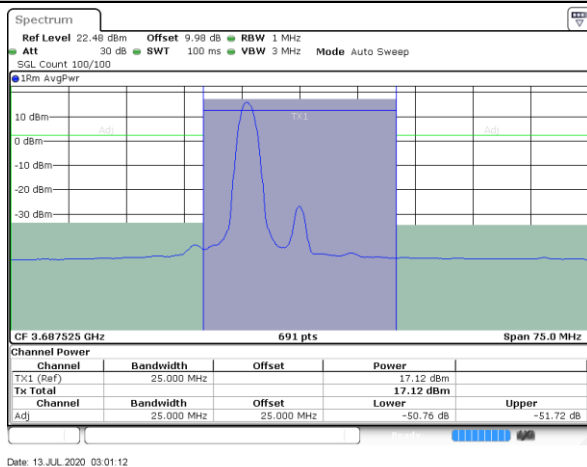
Middle Channel / 5MHz+20MHz



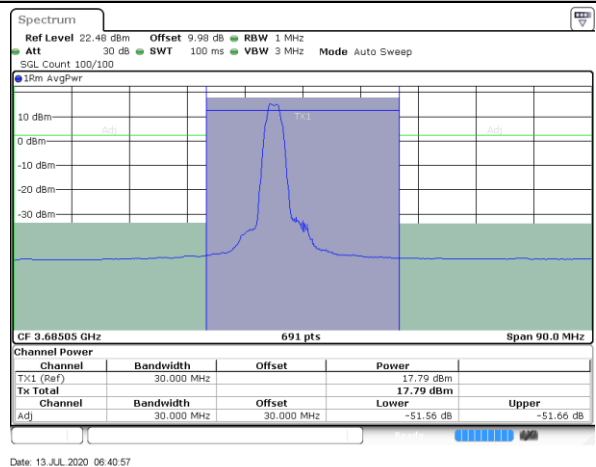
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

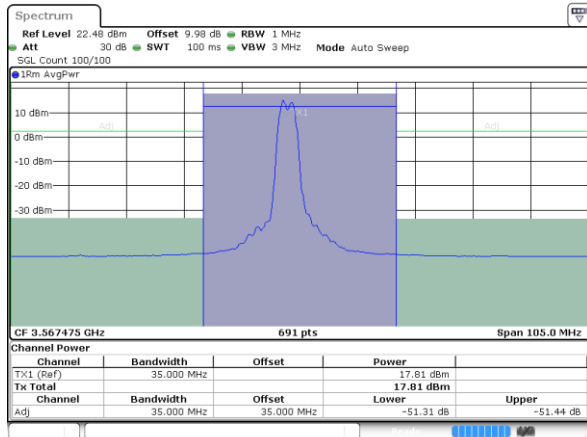




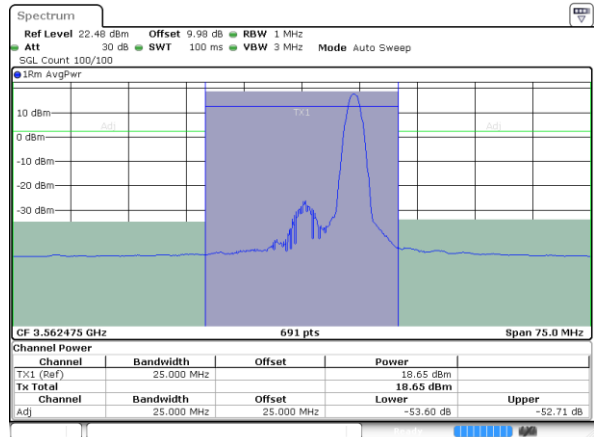
LTE Band 48C

64QAM

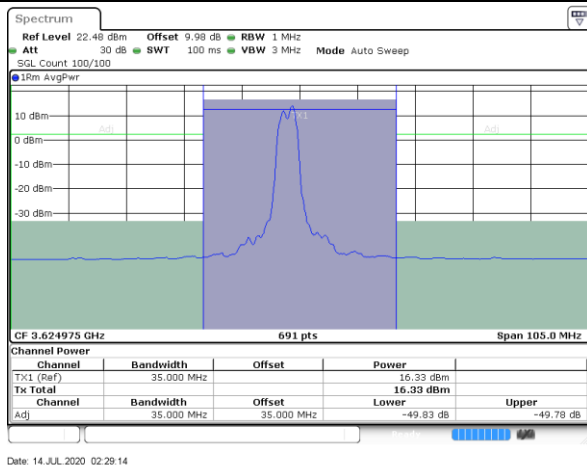
Lowest Channel / 15MHz+20MHz



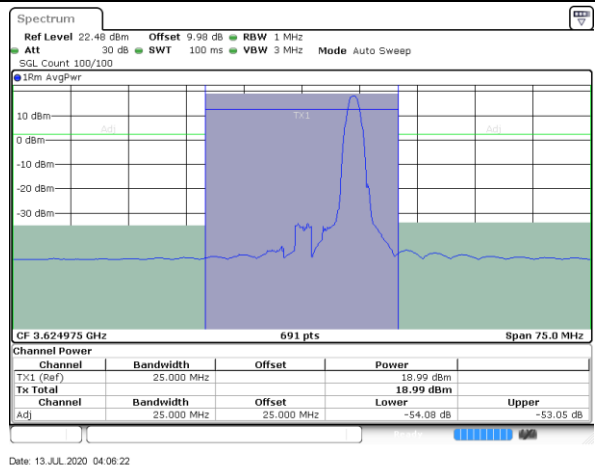
Lowest Channel / 20MHz+5MHz



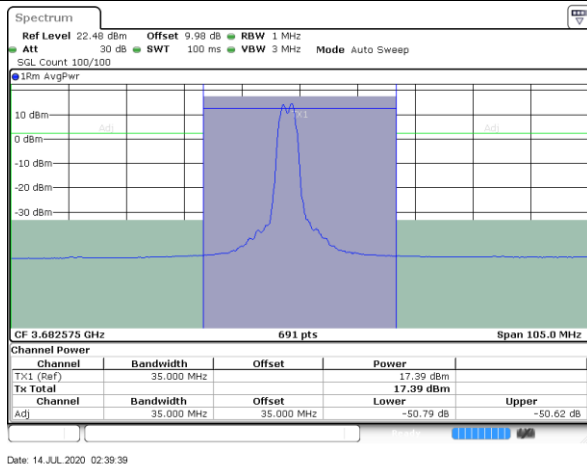
Middle Channel / 15MHz+20MHz



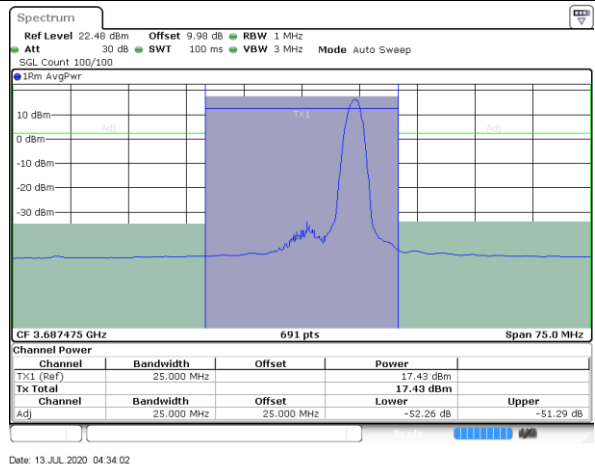
Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz

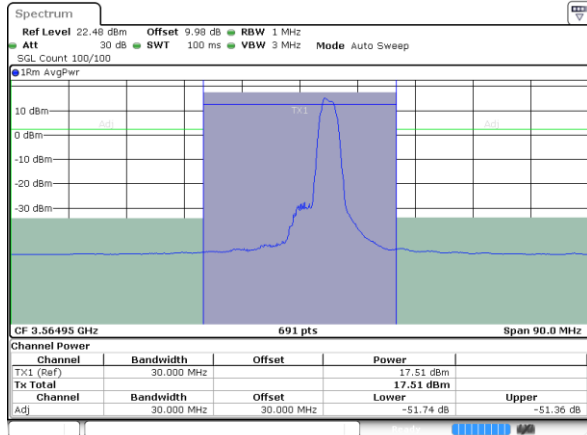




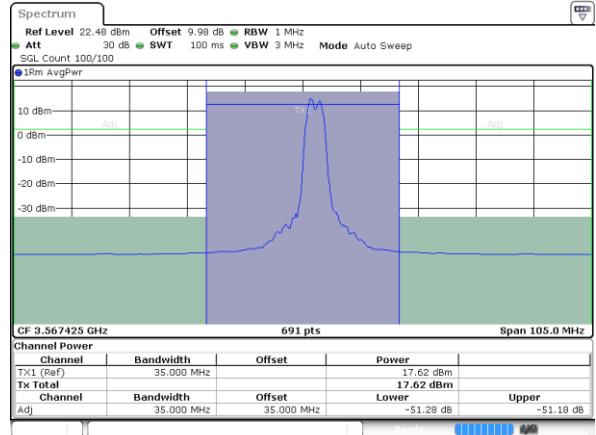
LTE Band 48C

64QAM

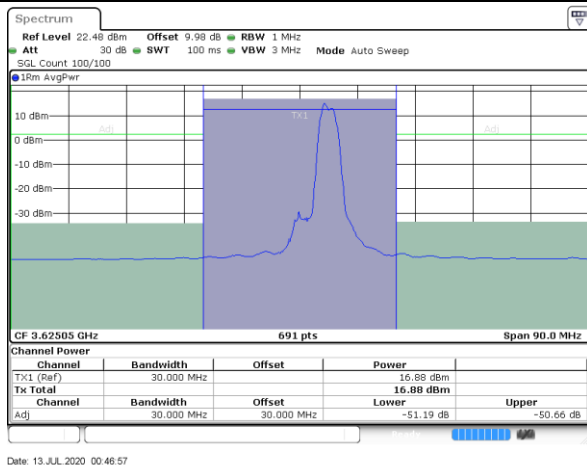
Lowest Channel / 20MHz+10MHz



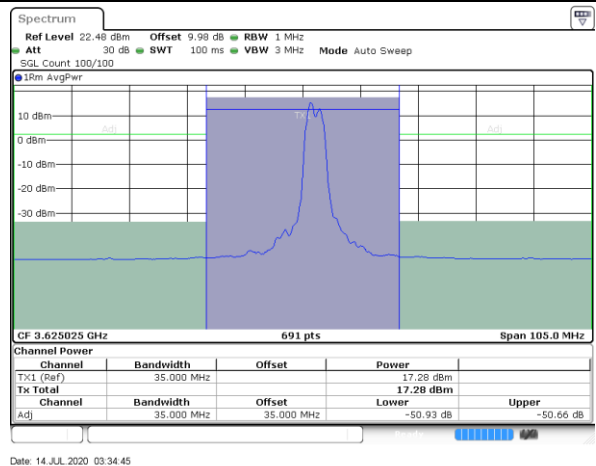
Lowest Channel / 20MHz+15MHz



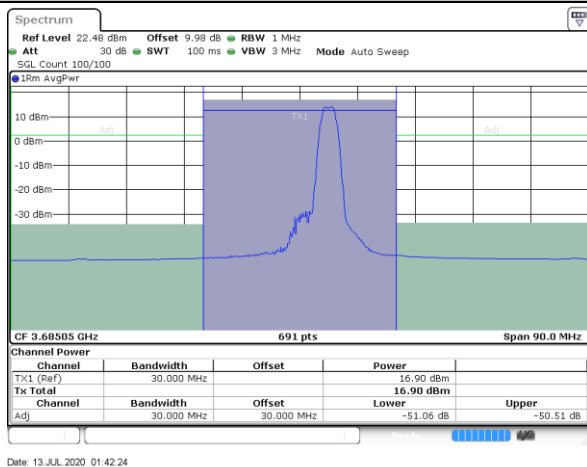
Middle Channel / 20MHz+10MHz



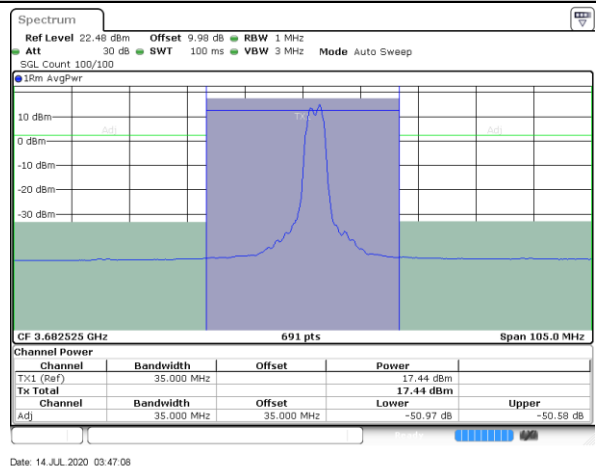
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



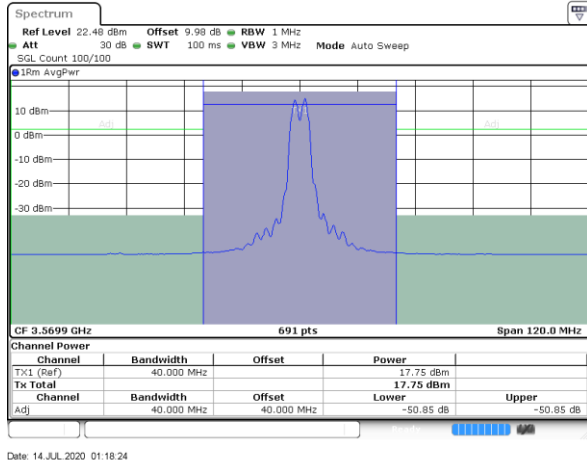


LTE Band 48C

64QAM

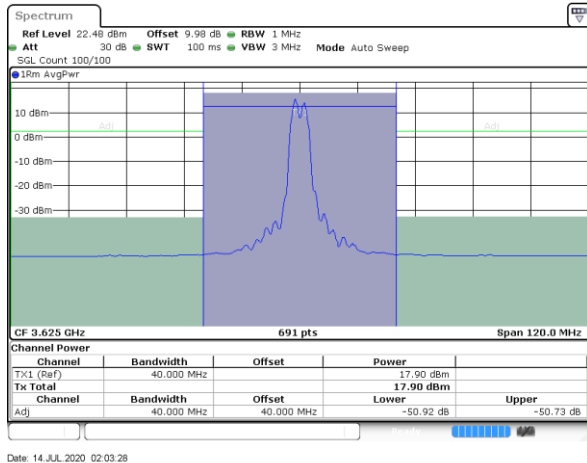
Lowest Channel / 20MHz+20MHz

N/A



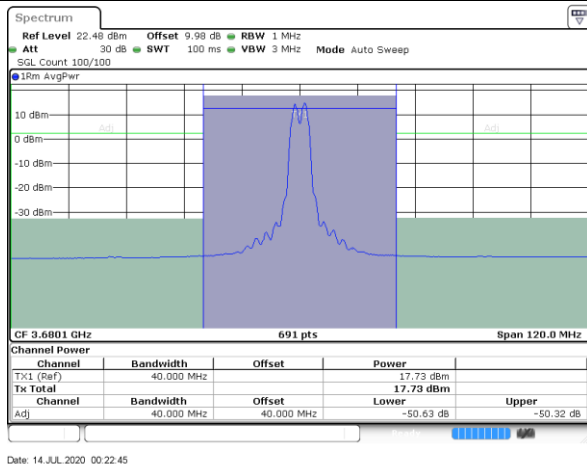
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

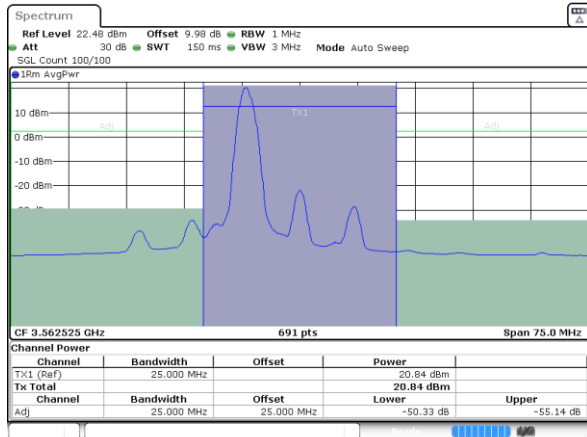




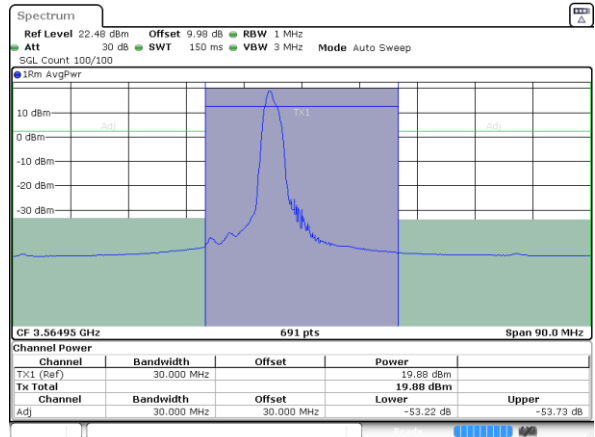
LTE Band 48C

256QAM

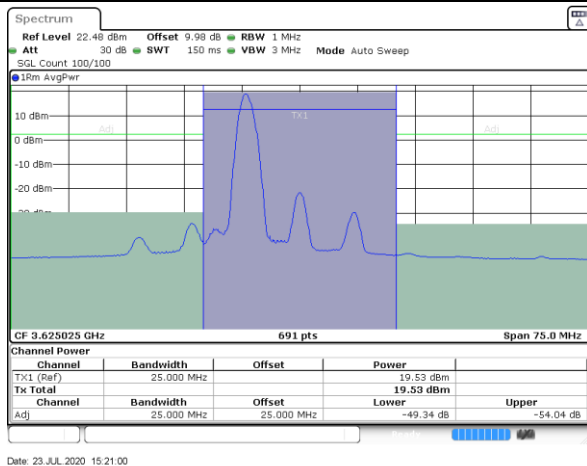
Lowest Channel / 5MHz+20MHz



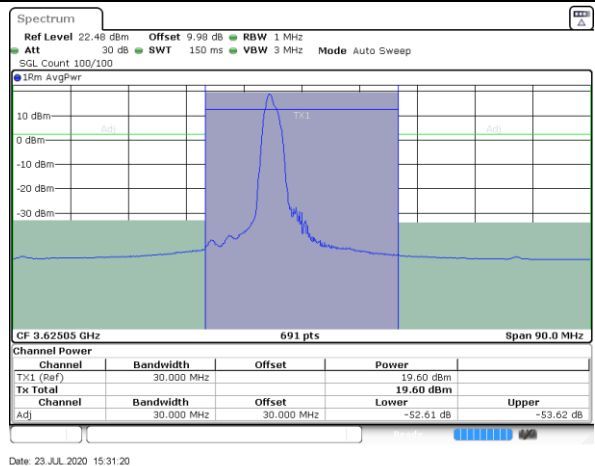
Lowest Channel / 10MHz+20MHz



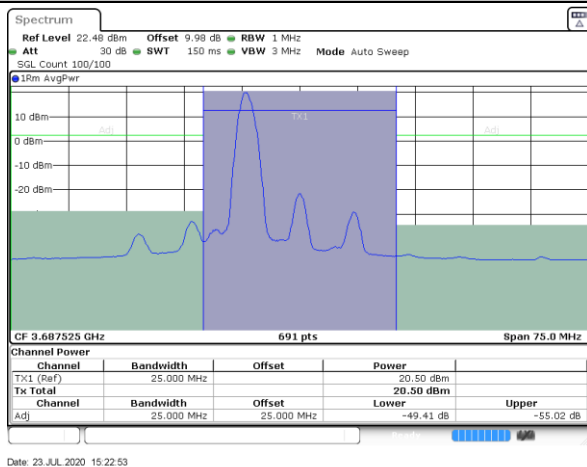
Middle Channel / 5MHz+20MHz



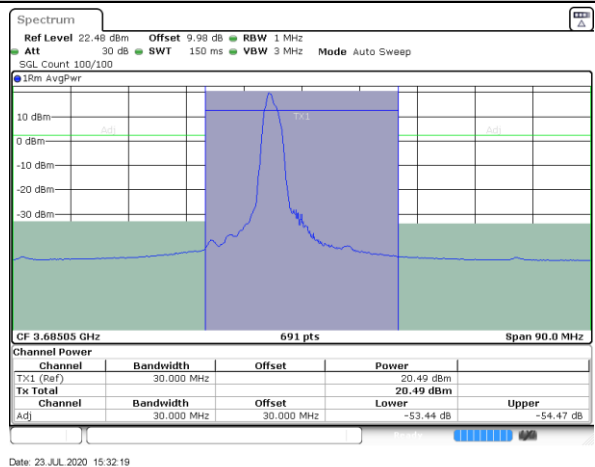
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

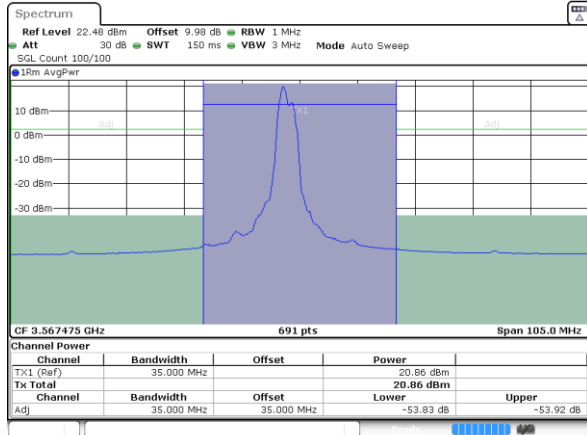




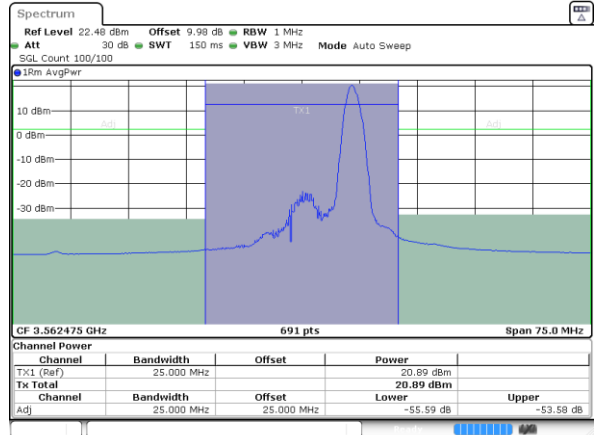
LTE Band 48C

256QAM

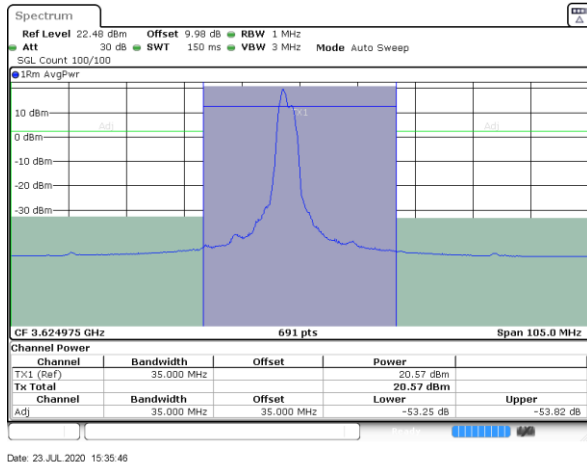
Lowest Channel / 15MHz+20MHz



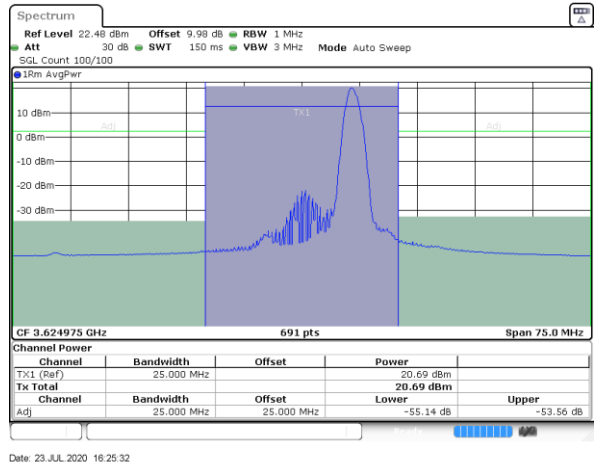
Lowest Channel / 20MHz+5MHz



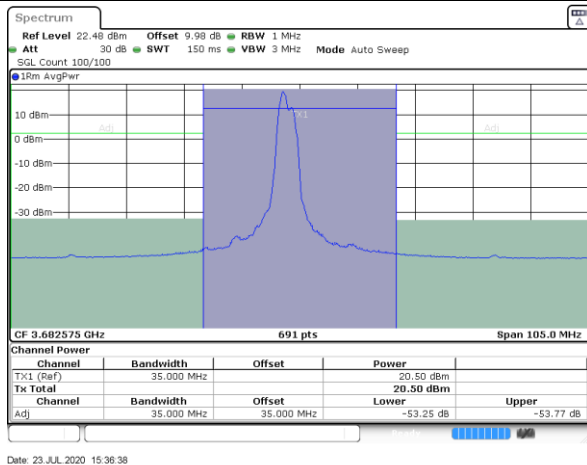
Middle Channel / 15MHz+20MHz



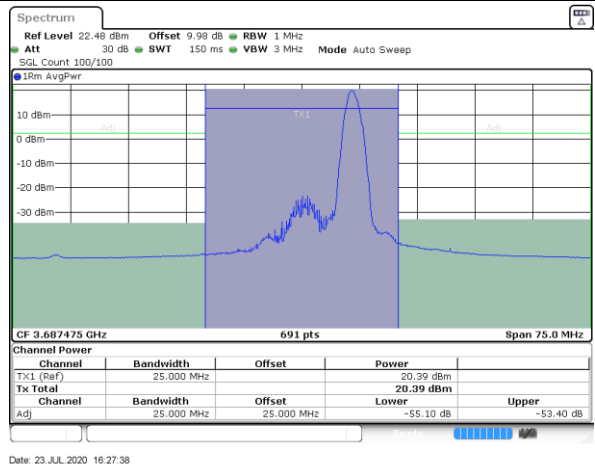
Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz

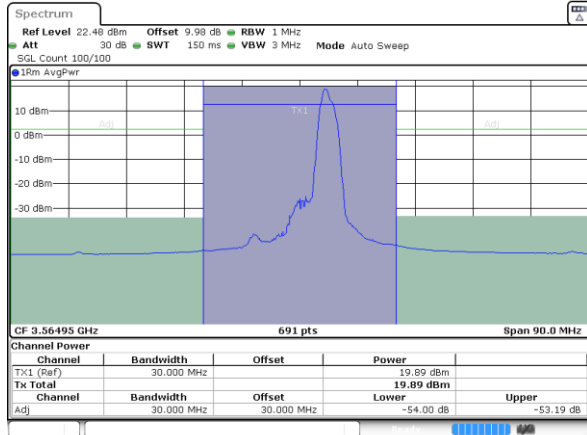




LTE Band 48C

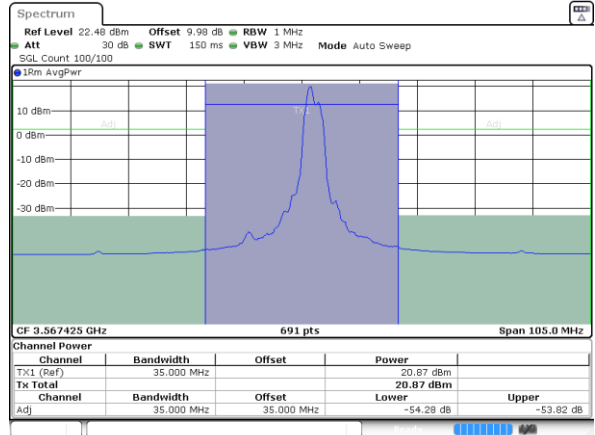
256QAM

Lowest Channel / 20MHz+10MHz



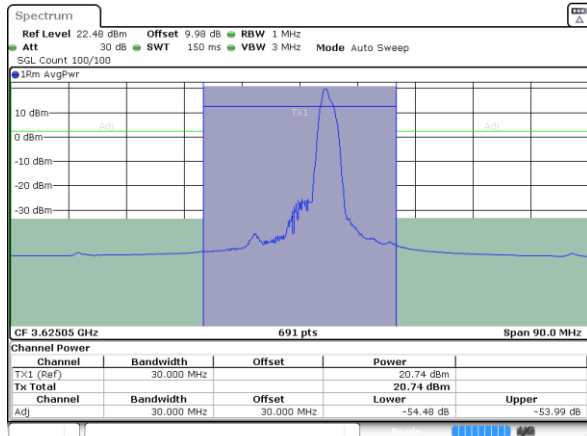
Date: 23 JUL 2020 16:10:45

Lowest Channel / 20MHz+15MHz



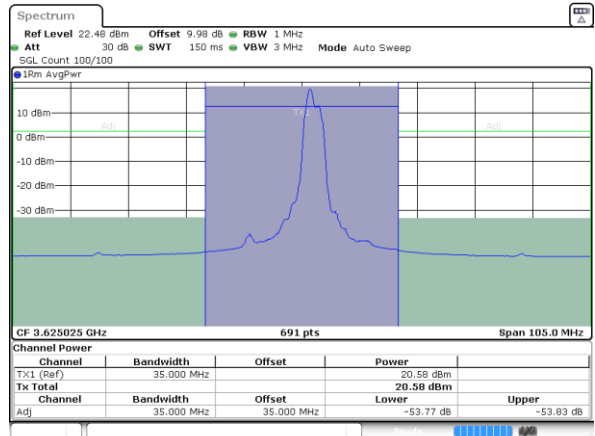
Date: 23 JUL 2020 16:00:15

Middle Channel / 20MHz+10MHz



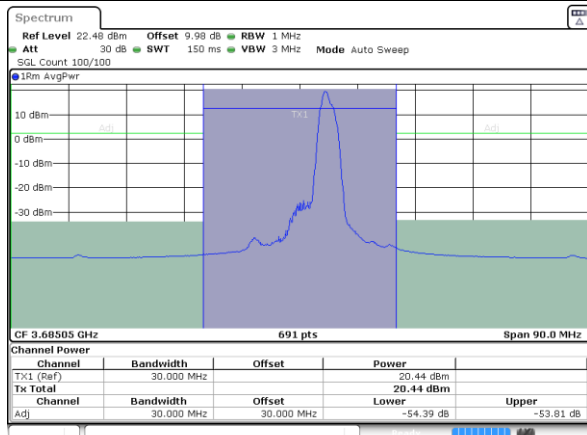
Date: 23 JUL 2020 16:18:16

Middle Channel / 20MHz+15MHz



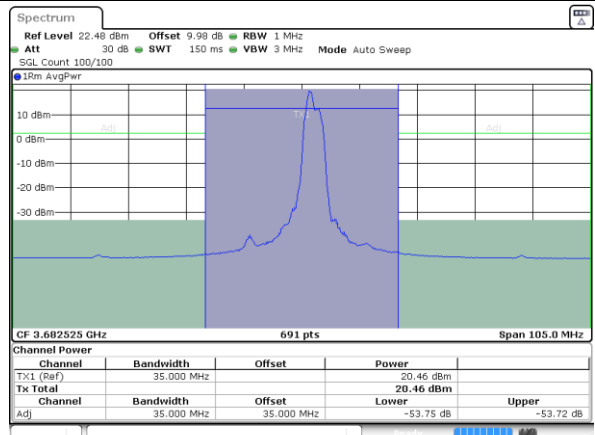
Date: 23 JUL 2020 16:01:06

Highest Channel / 20MHz+10MHz



Date: 23 JUL 2020 16:20:24

Highest Channel / 20MHz+15MHz



Date: 23 JUL 2020 16:04:52

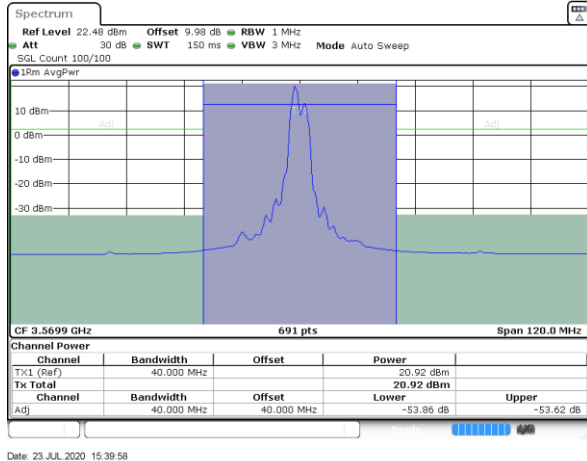


LTE Band 48C

256QAM

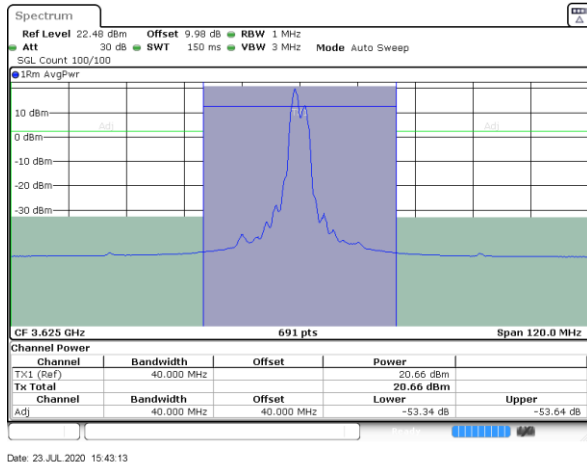
Lowest Channel / 20MHz+20MHz

N/A



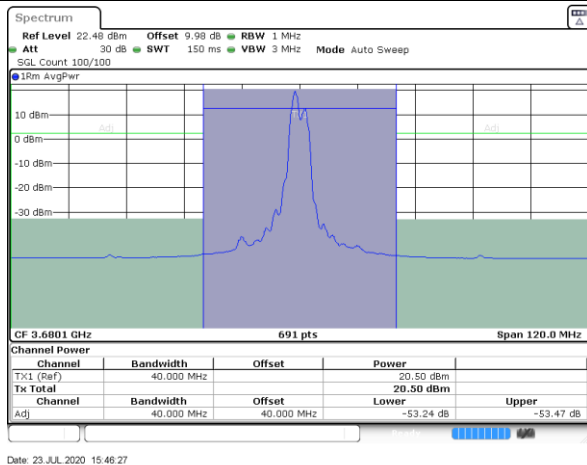
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A



A2.2. 26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.83	30.15	35.11	25.08
Middle CH	25.18	30.27	34.97	25.18
Highest CH	25.13	30.21	35.04	25.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.15	35.04	40.04	-
Middle CH	30.15	35.11	40.04	-
Highest CH	30.21	35.11	40.12	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.78	30.09	35.18	25.18
Middle CH	25.23	30.15	34.97	25.08
Highest CH	25.18	30.21	35.11	25.03
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	35.11	40.28	-
Middle CH	30.15	35.11	40.04	-
Highest CH	29.97	35.11	40.12	-

Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.88	29.97	34.97	25.03
Middle CH	25.08	30.09	35.04	25.03
Highest CH	24.98	30.09	34.97	25.08
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	35.04	40.04	-
Middle CH	30.03	34.97	40.04	-
Highest CH	30.09	35.11	39.96	-

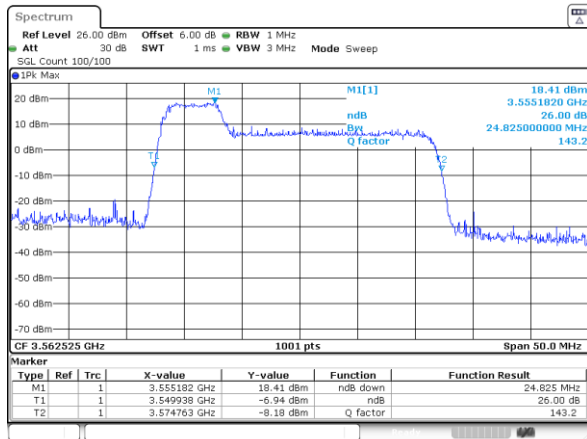
Mode	LTE Band 48C : 26dB BW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	24.83	29.91	34.83	24.98
Middle CH	24.83	29.85	34.83	24.98
Highest CH	24.93	29.85	34.97	24.93
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.91	34.97	39.80	-
Middle CH	29.91	34.90	39.88	-
Highest CH	29.91	34.90	39.64	-



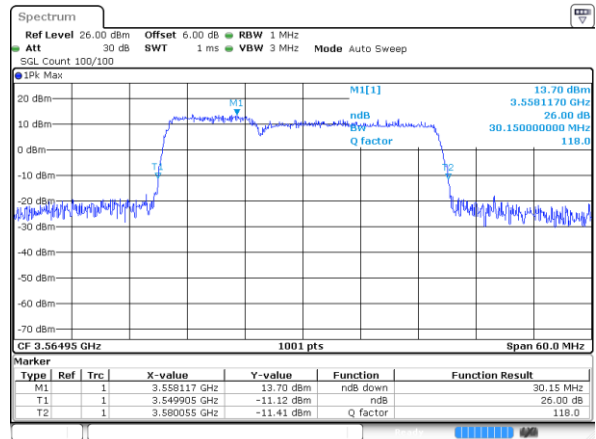
LTE Band 48C

QPSK

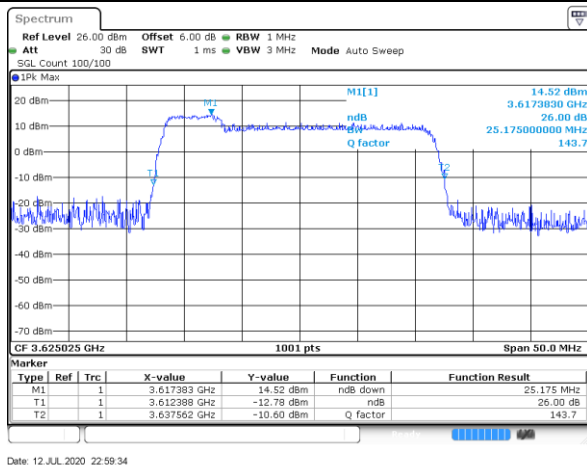
Lowest Channel / 5MHz+20MHz



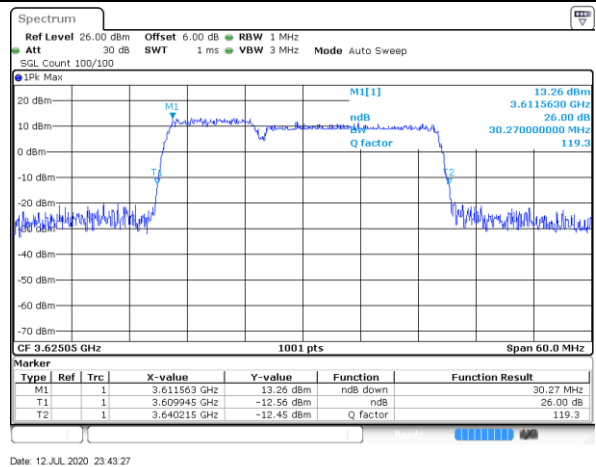
Lowest Channel / 10MHz+20MHz



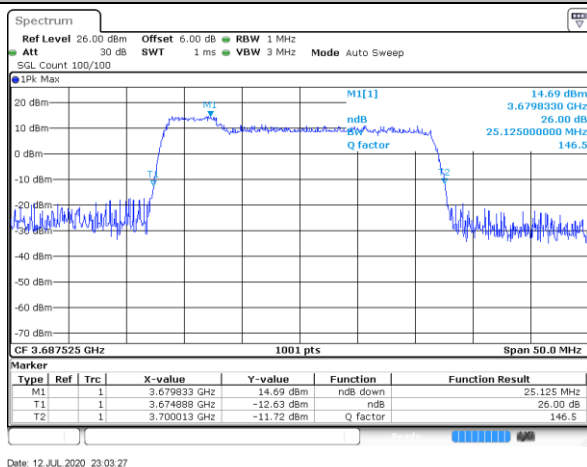
Middle Channel / 5MHz+20MHz



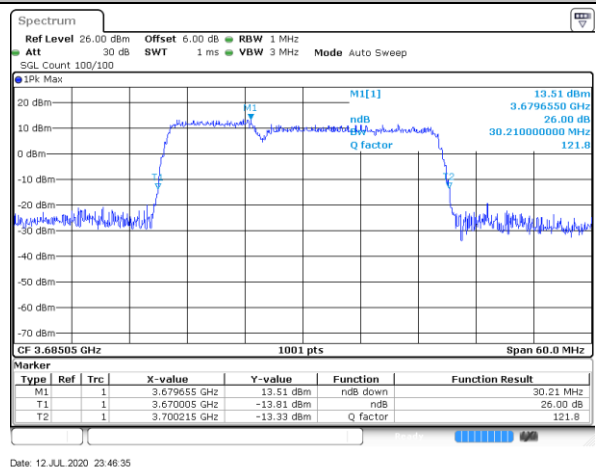
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

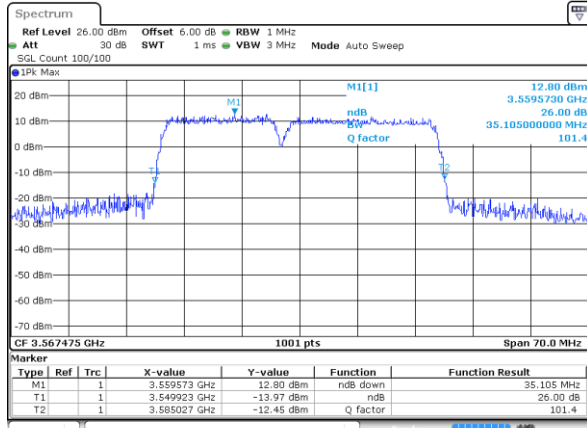




LTE Band 48C

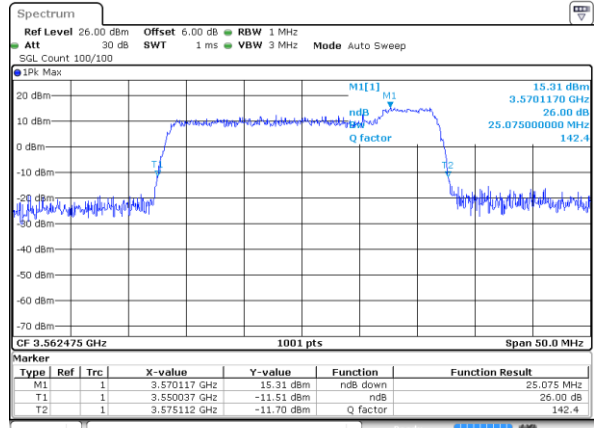
QPSK

Lowest Channel / 15MHz+20MHz



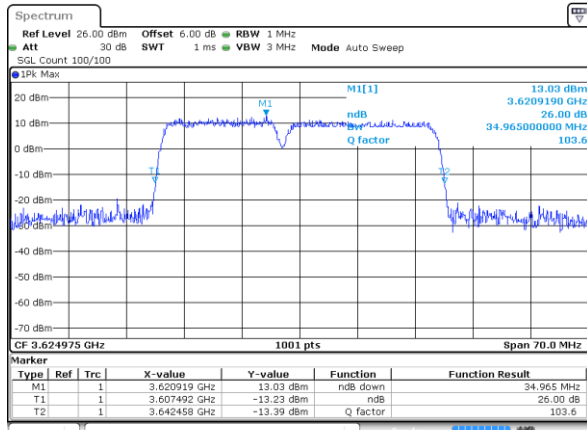
Date: 13 JUL 2020 23:27:51

Lowest Channel / 20MHz+5MHz



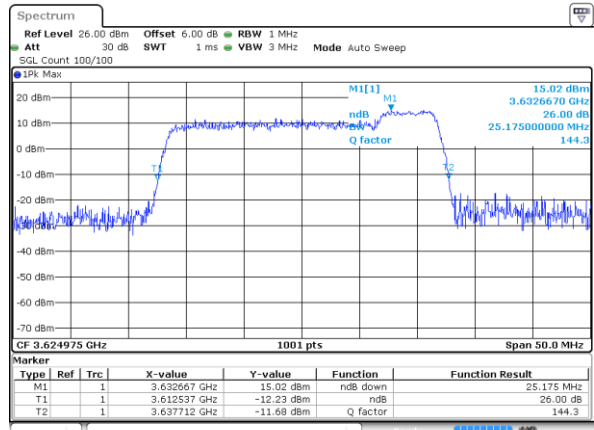
Date: 12 JUL 2020 23:15:07

Middle Channel / 15MHz+20MHz



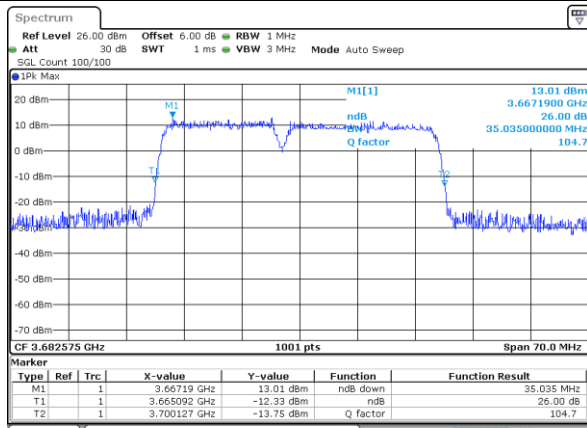
Date: 13 JUL 2020 23:30:20

Middle Channel / 20MHz+5MHz



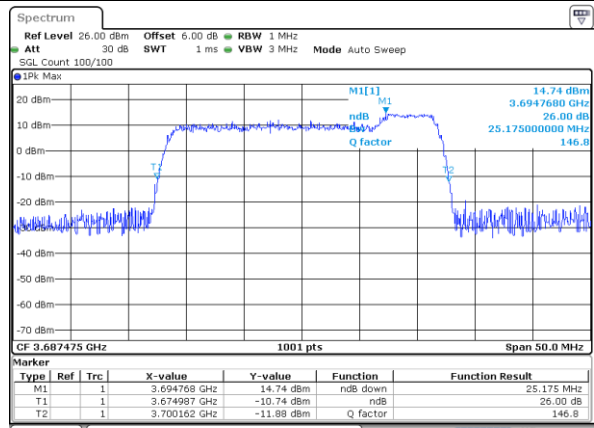
Date: 12 JUL 2020 23:17:27

Highest Channel / 15MHz+20MHz



Date: 13 JUL 2020 23:33:53

Highest Channel / 20MHz+5MHz



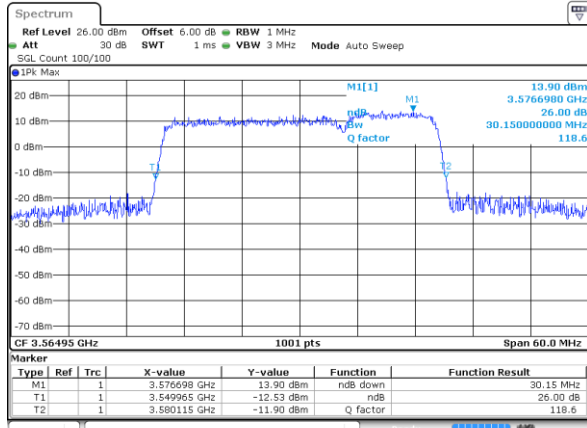
Date: 12 JUL 2020 23:21:21



LTE Band 48C

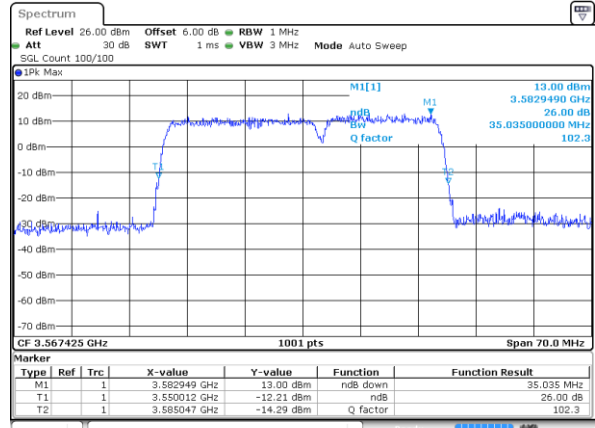
QPSK

Lowest Channel / 20MHz+10MHz



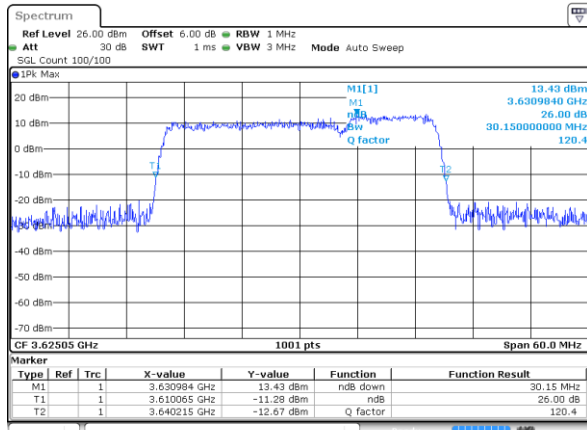
Date: 13 JUL 2020 00:01:35

Lowest Channel / 20MHz+15MHz



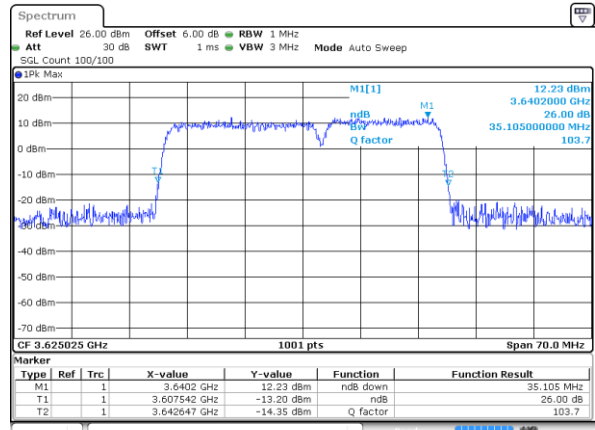
Date: 13 JUL 2020 23:37:21

Middle Channel / 20MHz+10MHz



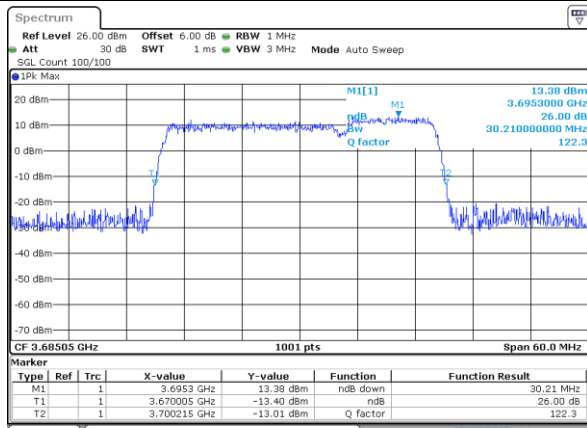
Date: 13 JUL 2020 00:04:40

Middle Channel / 20MHz+15MHz



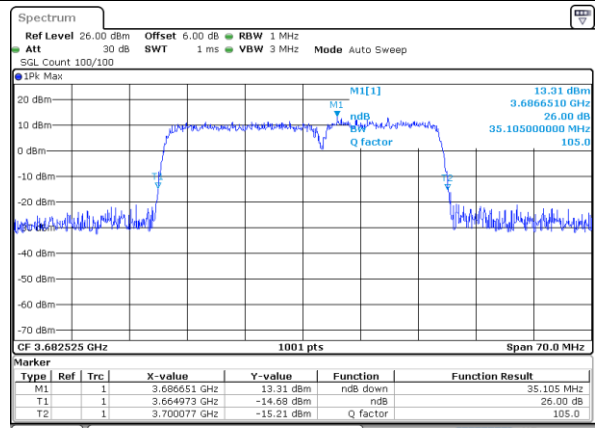
Date: 13 JUL 2020 23:40:42

Highest Channel / 20MHz+10MHz



Date: 13 JUL 2020 00:08:35

Highest Channel / 20MHz+15MHz



Date: 13 JUL 2020 23:44:11

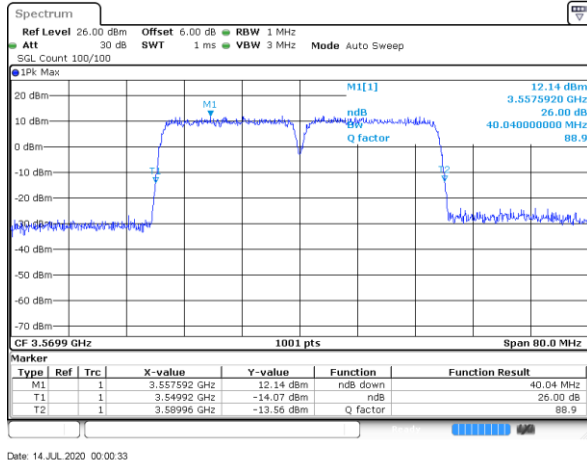


LTE Band 48C

QPSK

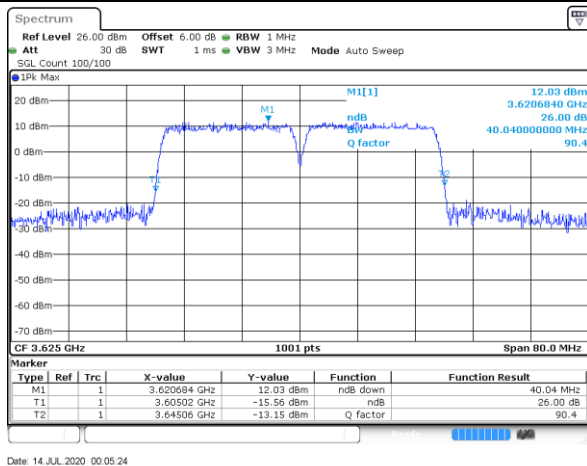
Lowest Channel / 20MHz+20MHz

N/A



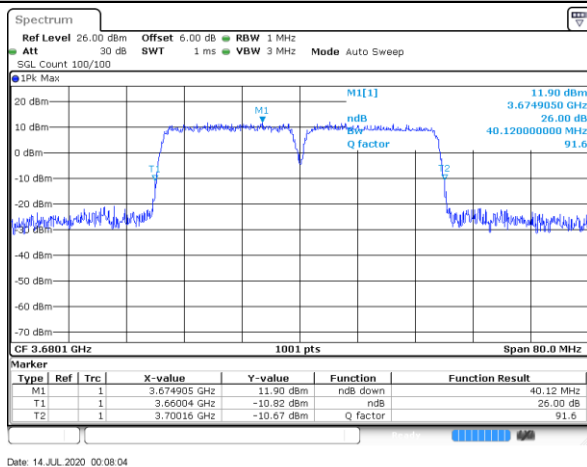
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

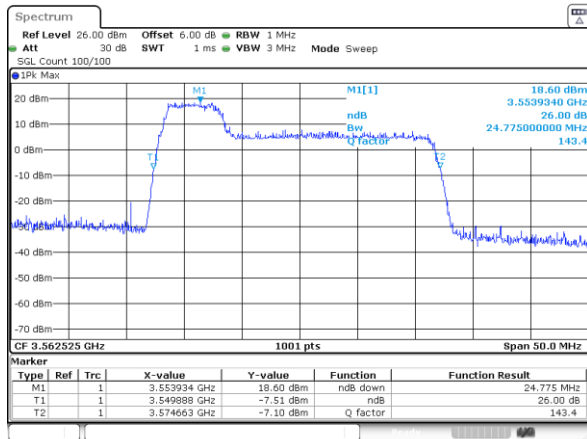




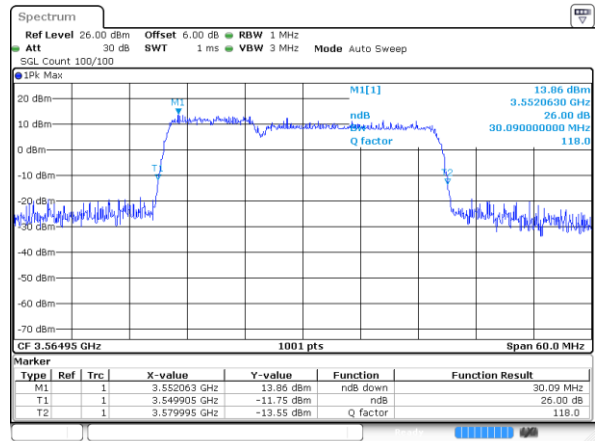
LTE Band 48C

16QAM

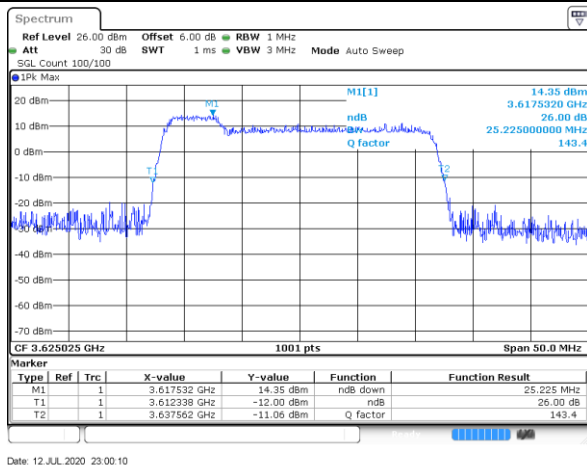
Lowest Channel / 5MHz+20MHz



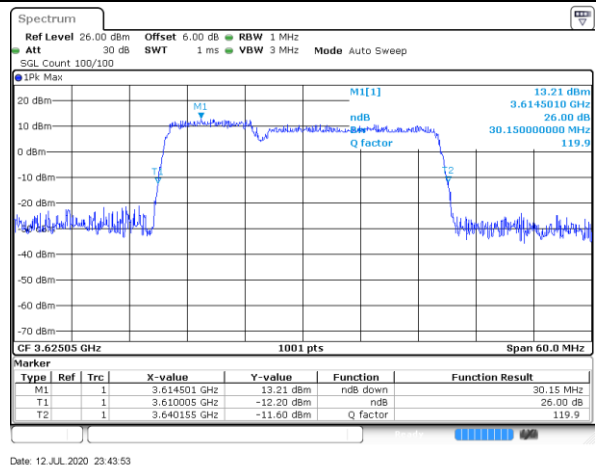
Lowest Channel / 10MHz+20MHz



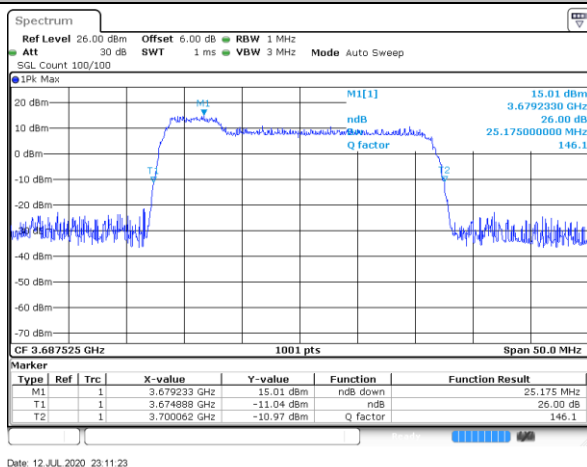
Middle Channel / 5MHz+20MHz



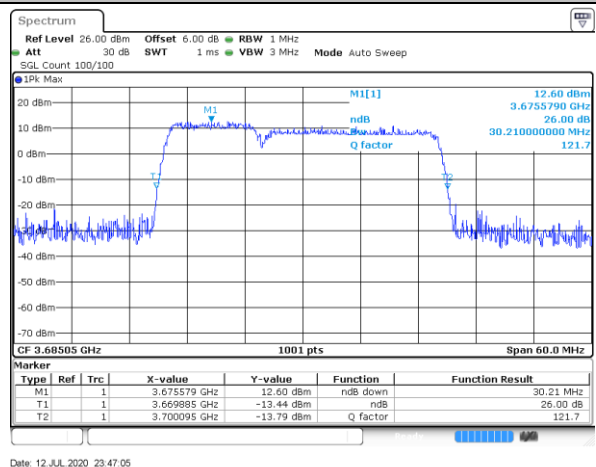
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

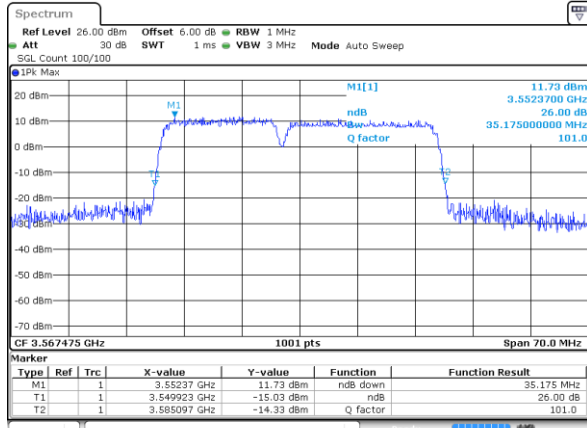




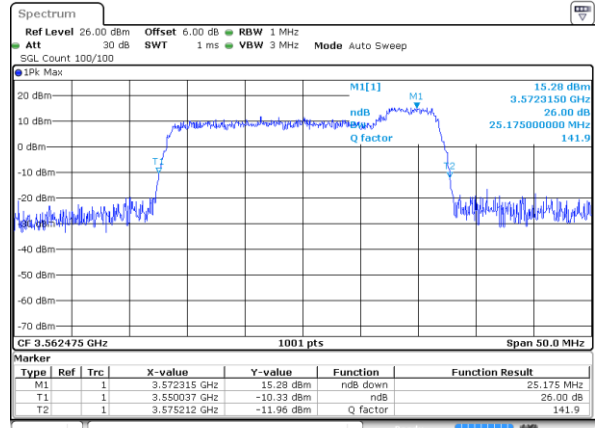
LTE Band 48C

16QAM

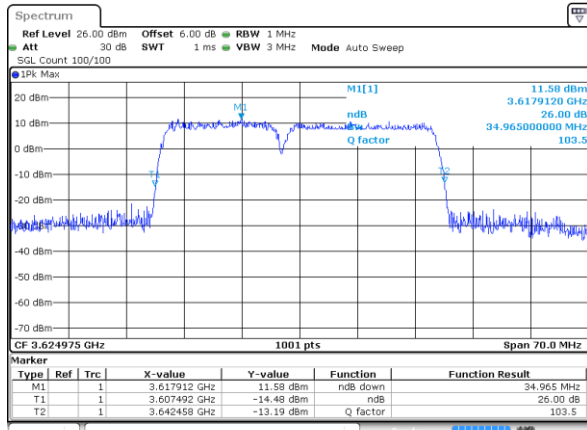
Lowest Channel / 10MHz+20MHz



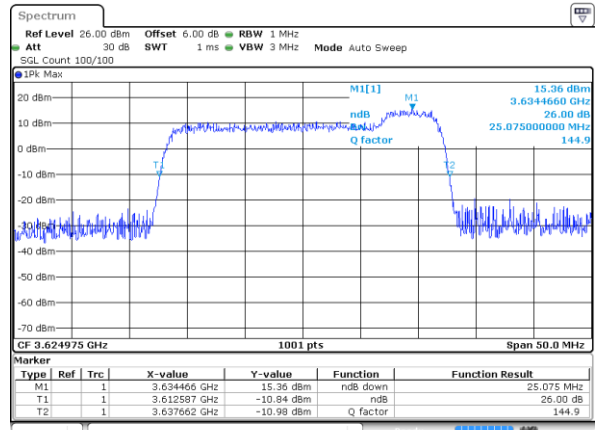
Lowest Channel / 15MHz+10MHz



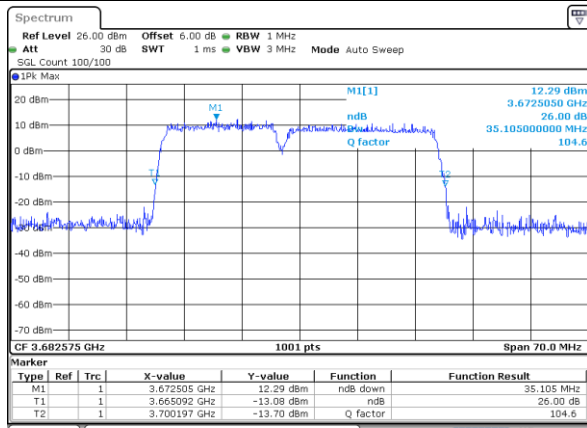
Middle Channel / 15MHz+20MHz



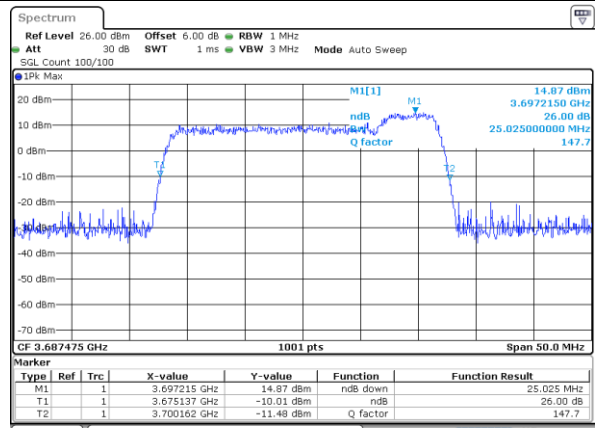
Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz

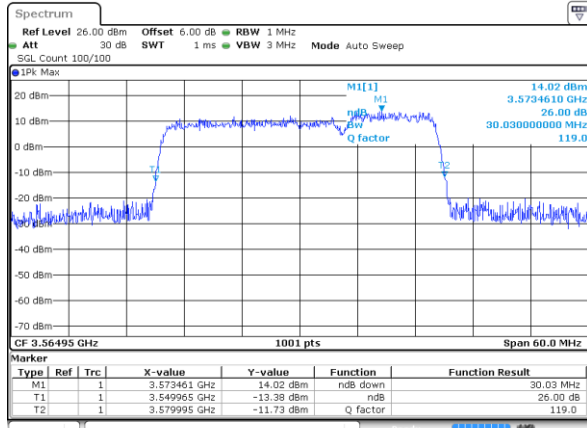




LTE Band 48C

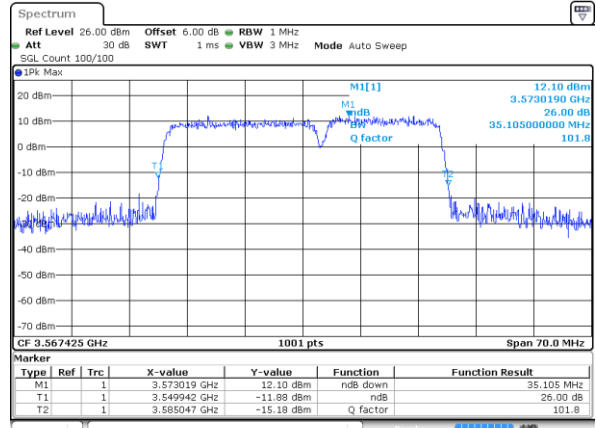
16QAM

Lowest Channel / 15MHz+15MHz



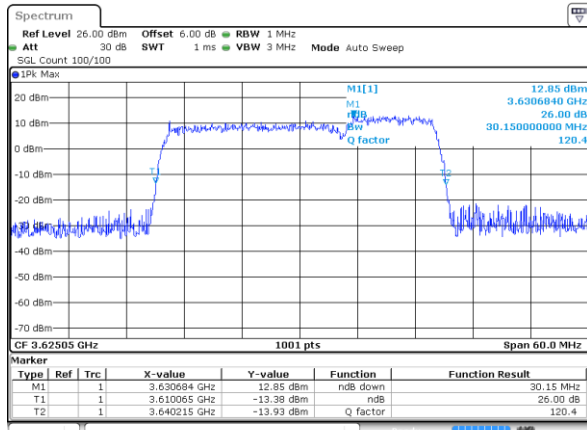
Date: 13 JUL 2020 00:02:08

Lowest Channel / 15MHz+20MHz



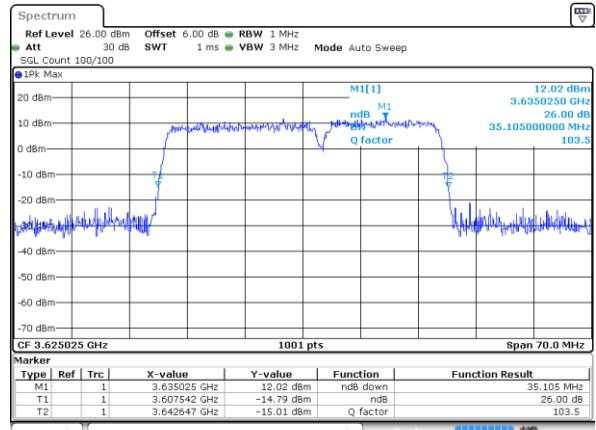
Date: 13 JUL 2020 23:37:54

Middle Channel / 20MHz+10MHz



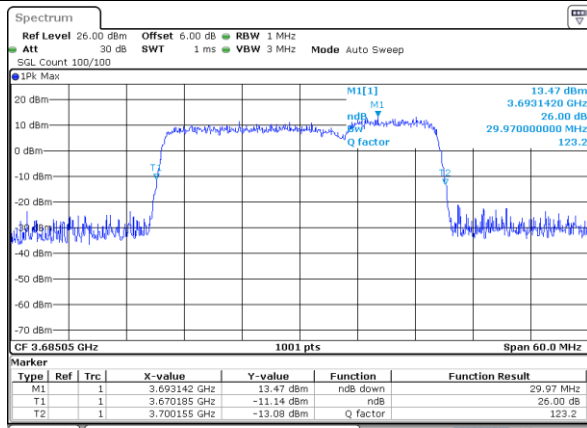
Date: 13 JUL 2020 00:05:08

Middle Channel / 20MHz+15MHz



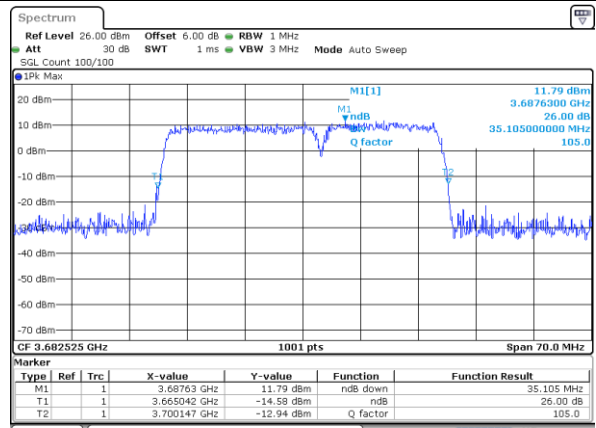
Date: 13 JUL 2020 23:41:16

Highest Channel / 20MHz+10MHz



Date: 13 JUL 2020 00:09:04

Highest Channel / 20MHz+15MHz



Date: 13 JUL 2020 23:44:36

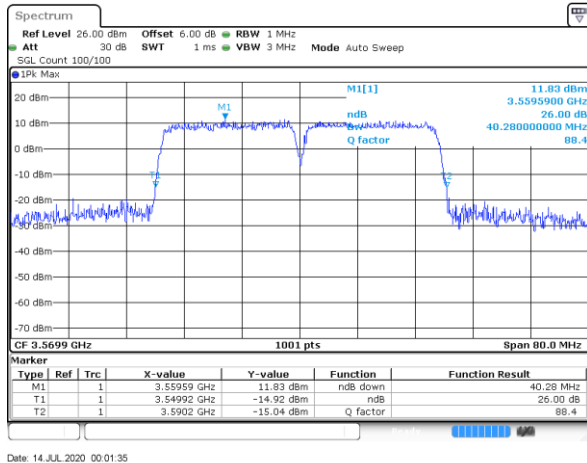


LTE Band 48C

16QAM

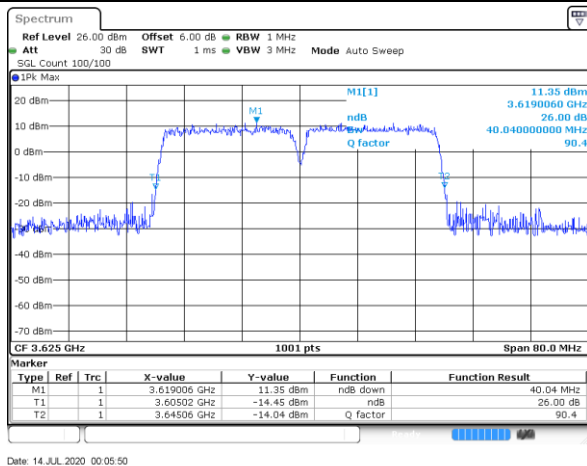
Lowest Channel / 20MHz+20MHz

N/A



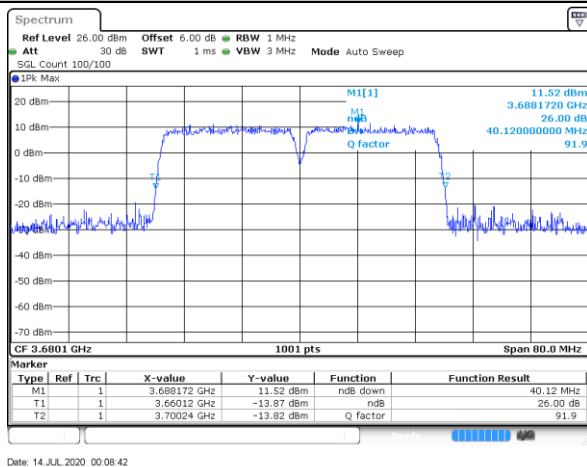
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

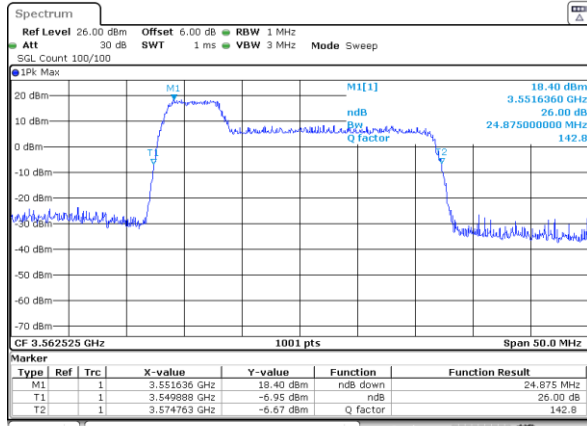




LTE Band 48C

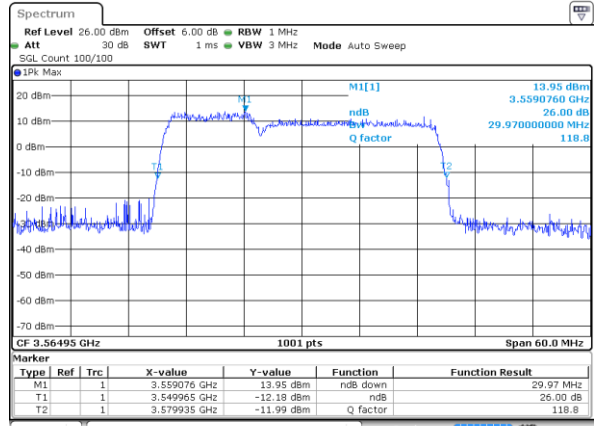
64QAM

Lowest Channel / 5MHz+20MHz



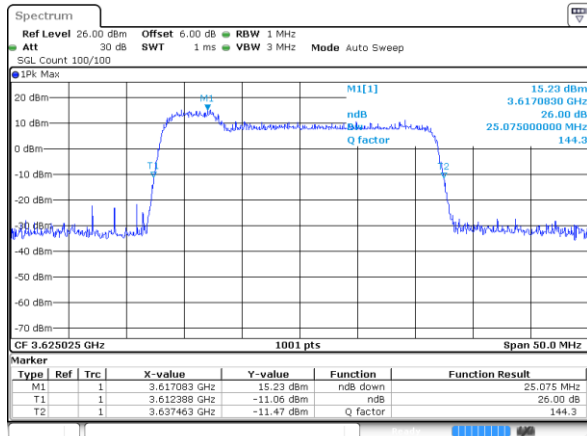
Date: 21_JUL_2020 14:23:08

Lowest Channel / 10MHz+20MHz



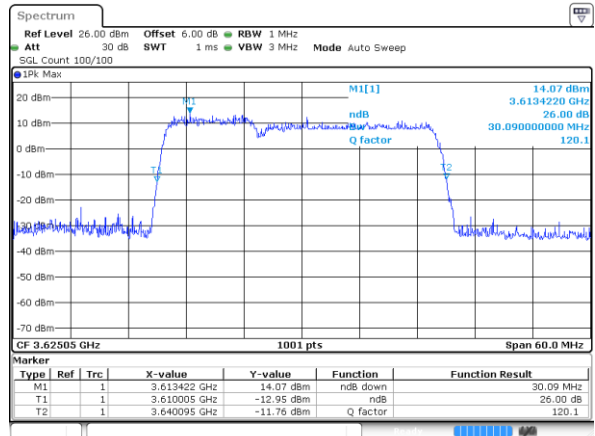
Date: 12_JUL_2020 23:41:36

Middle Channel / 5MHz+20MHz



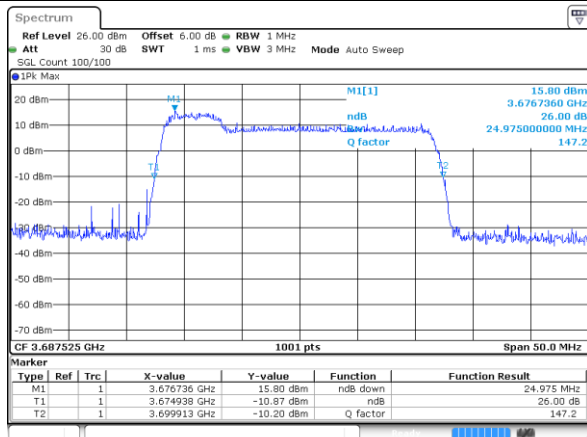
Date: 12_JUL_2020 23:00:41

Middle Channel / 10MHz+20MHz



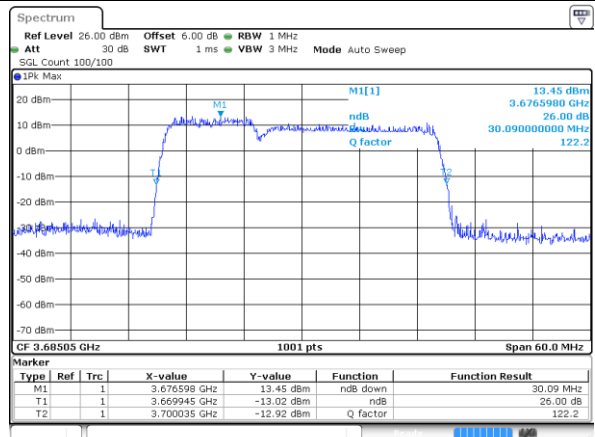
Date: 12_JUL_2020 23:44:24

Highest Channel / 5MHz+20MHz



Date: 12_JUL_2020 23:12:41

Highest Channel / 10MHz+20MHz



Date: 12_JUL_2020 23:47:37