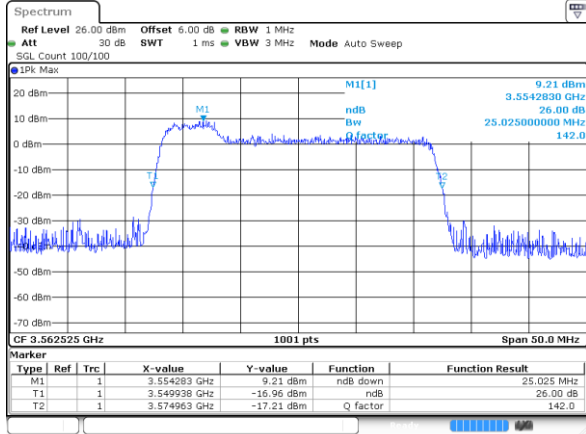




LTE Band 48C

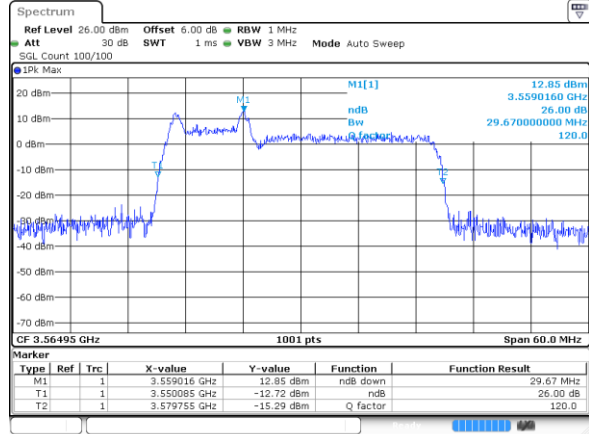
16QAM

Lowest Channel / 5MHz+20MHz



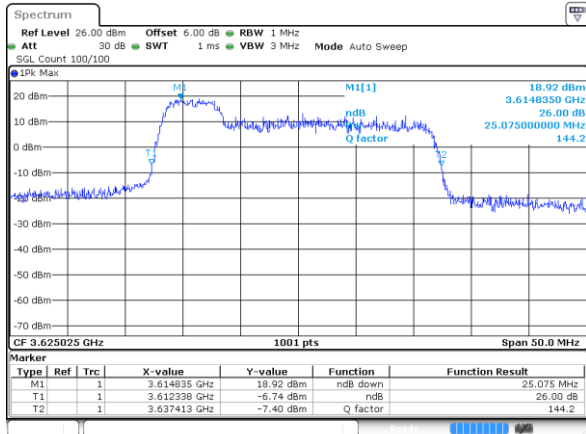
Date: 20 AUG 2020 12:16:43

Lowest Channel / 10MHz+20MHz



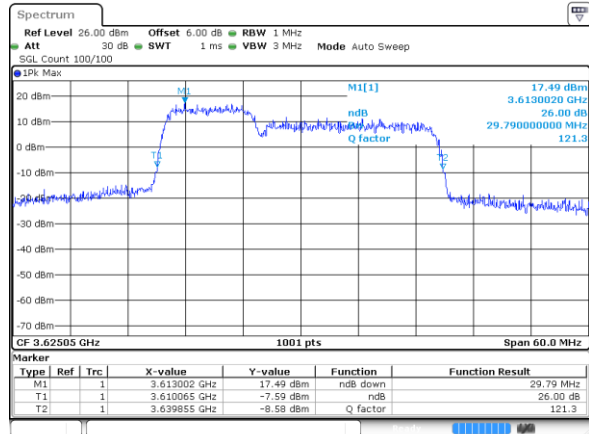
Date: 20 AUG 2020 15:31:54

Middle Channel / 5MHz+20MHz



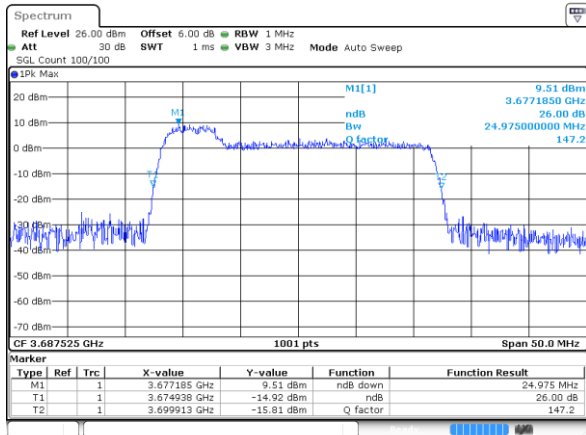
Date: 23 AUG 2020 16:37:35

Middle Channel / 10MHz+20MHz



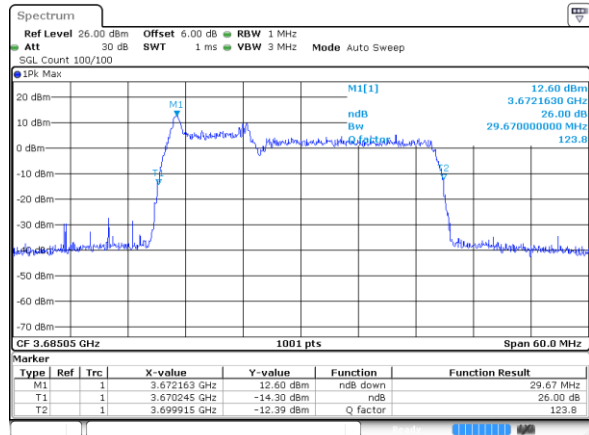
Date: 23 AUG 2020 15:56:00

Highest Channel / 5MHz+20MHz



Date: 20 AUG 2020 12:48:09

Highest Channel / 10MHz+20MHz



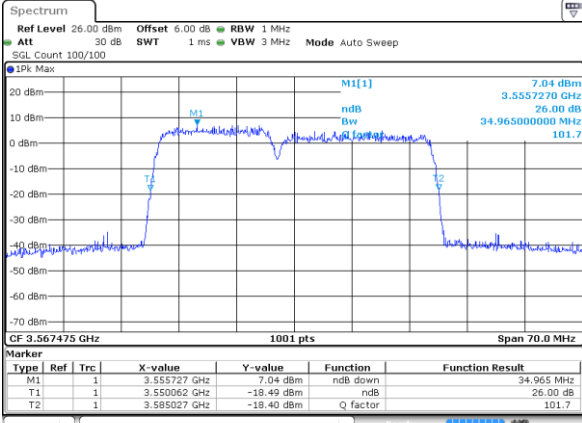
Date: 20 AUG 2020 16:06:49



LTE Band 48C

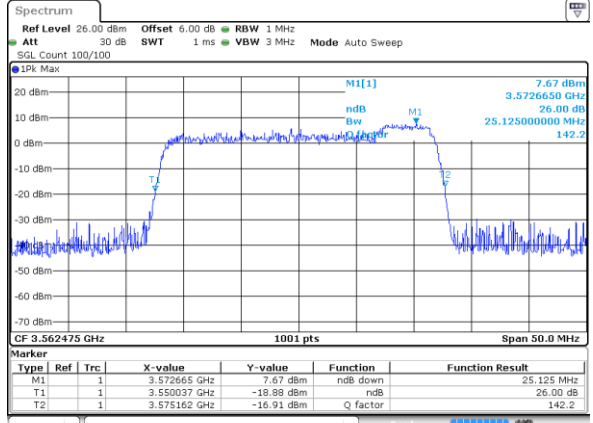
16QAM

Lowest Channel / 15MHz+20MHz



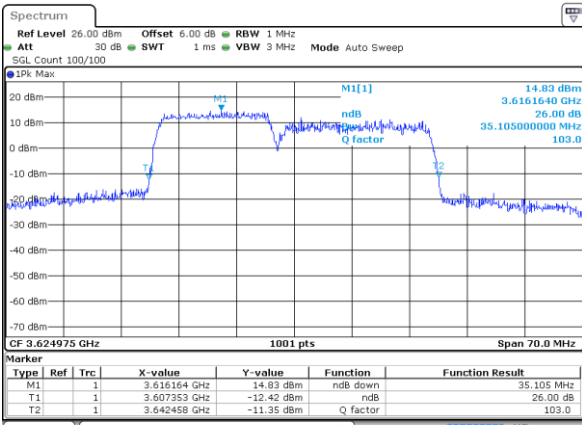
Date: 20 AUG 2020 18:38:47

Lowest Channel / 20MHz+5MHz



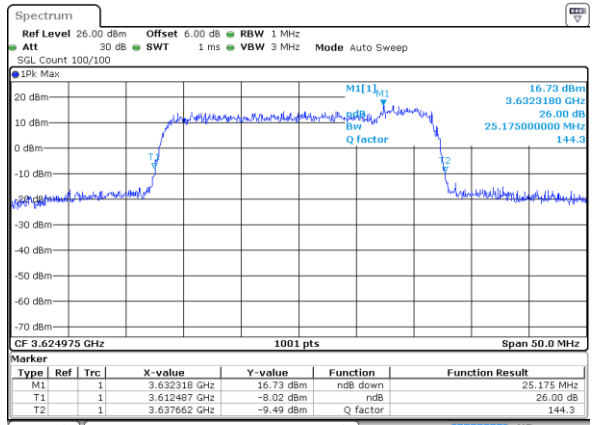
Date: 20 AUG 2020 13:06:38

Middle Channel / 15MHz+20MHz



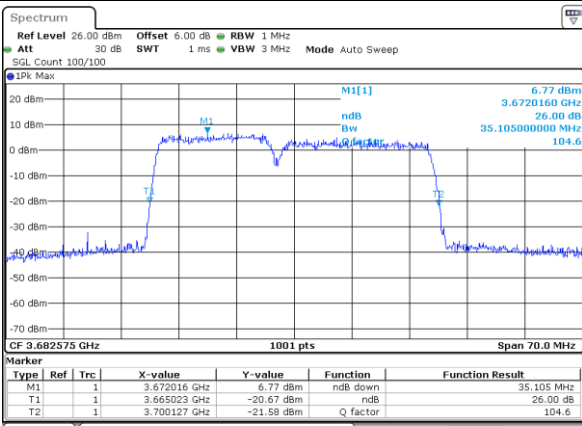
Date: 23 AUG 2020 16:03:23

Middle Channel / 20MHz+5MHz



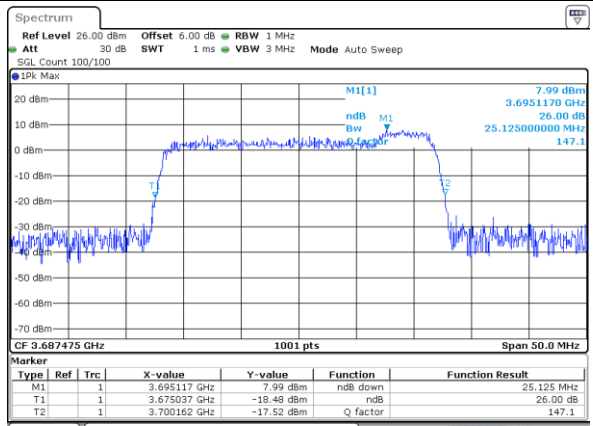
Date: 23 AUG 2020 16:07:24

Highest Channel / 15MHz+20MHz



Date: 20 AUG 2020 19:51:49

Highest Channel / 20MHz+5MHz



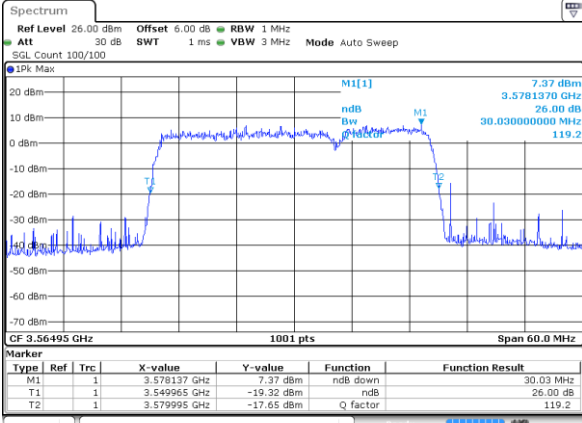
Date: 20 AUG 2020 15:02:03



LTE Band 48C

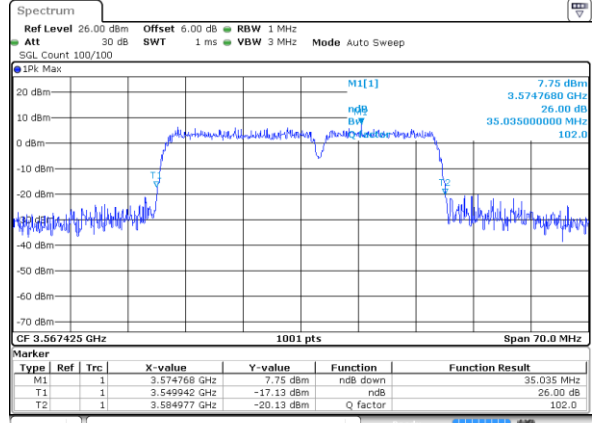
16QAM

Lowest Channel / 20MHz+10MHz



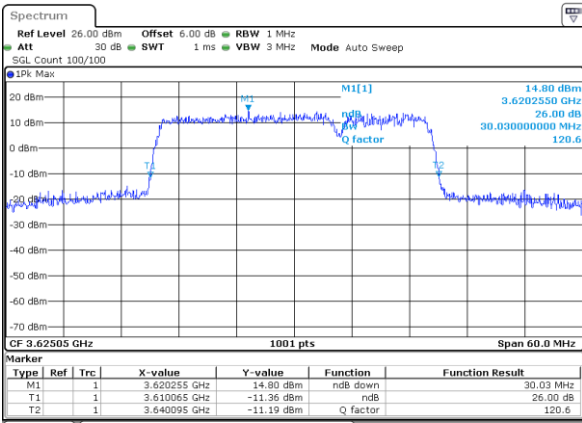
Date: 20 AUG 2020 16:27:03

Lowest Channel / 20MHz+15MHz



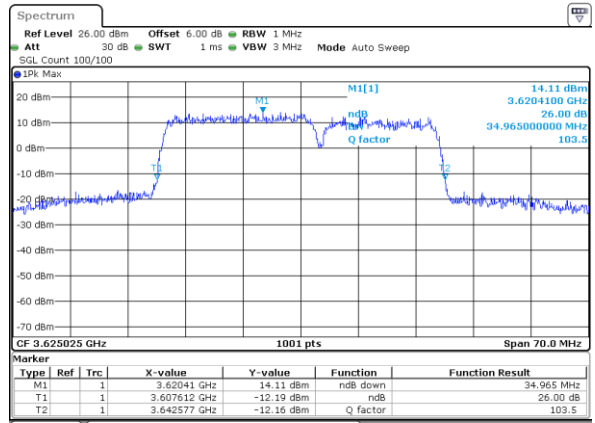
Date: 20 AUG 2020 17:37:01

Middle Channel / 20MHz+10MHz



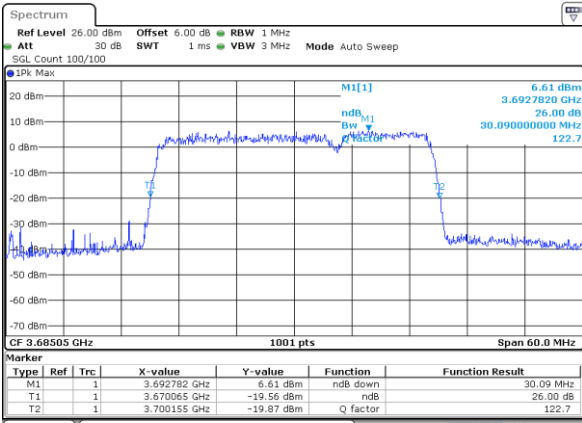
Date: 23 AUG 2020 14:57:04

Middle Channel / 20MHz+15MHz



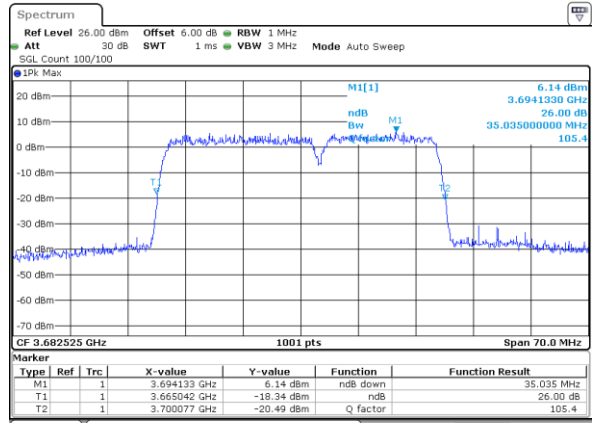
Date: 23 AUG 2020 15:39:12

Highest Channel / 20MHz+10MHz



Date: 20 AUG 2020 17:04:10

Highest Channel / 20MHz+15MHz



Date: 20 AUG 2020 18:15:58

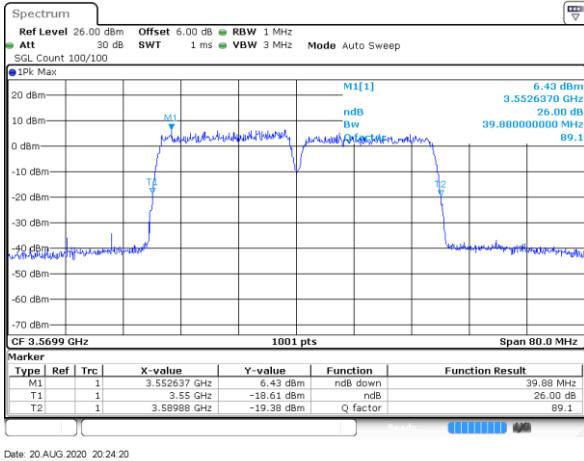


LTE Band 48C

16QAM

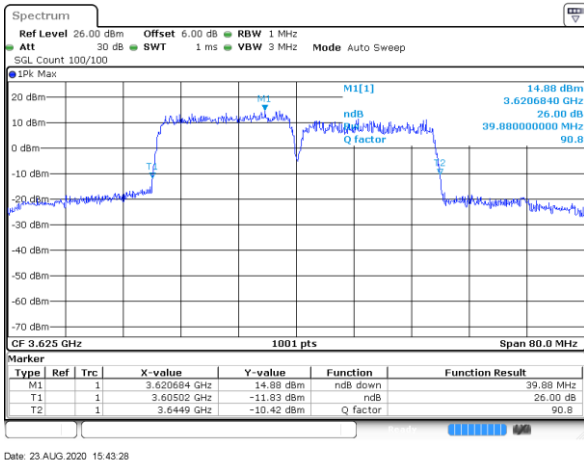
Lowest Channel / 20MHz+20MHz

N/A



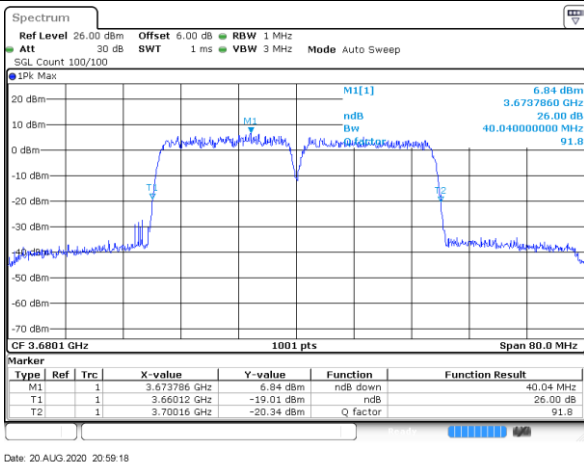
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

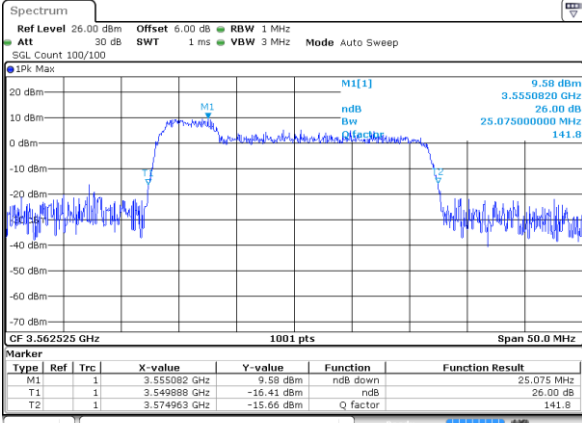




LTE Band 48C

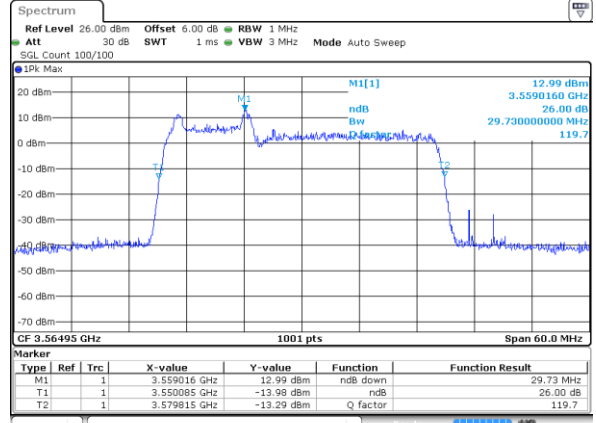
64QAM

Lowest Channel / 5MHz+20MHz



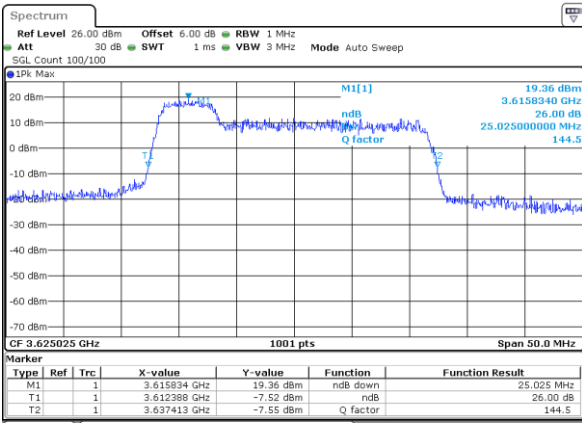
Date: 20 AUG 2020 12:17:09

Lowest Channel / 10MHz+20MHz



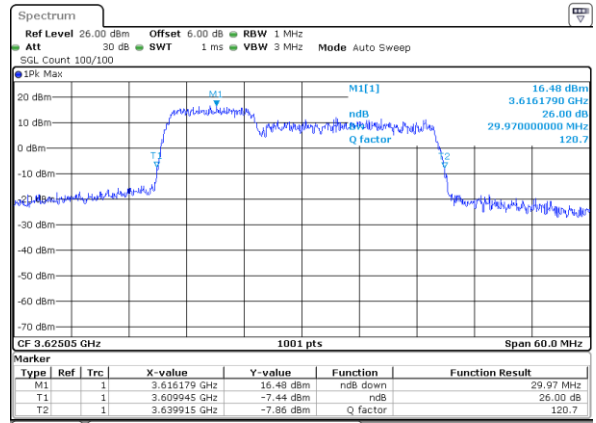
Date: 20 AUG 2020 15:32:21

Middle Channel / 5MHz+20MHz



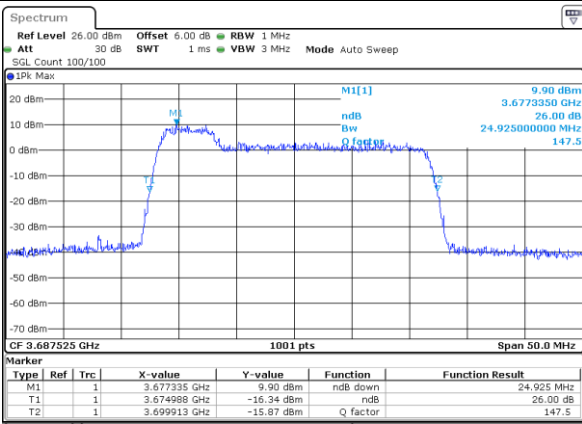
Date: 23 AUG 2020 15:52:14

Middle Channel / 10MHz+20MHz



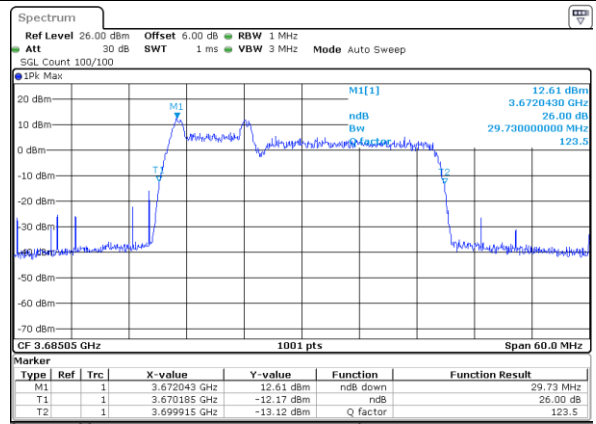
Date: 23 AUG 2020 15:56:34

Highest Channel / 5MHz+20MHz



Date: 20 AUG 2020 12:48:35

Highest Channel / 10MHz+20MHz



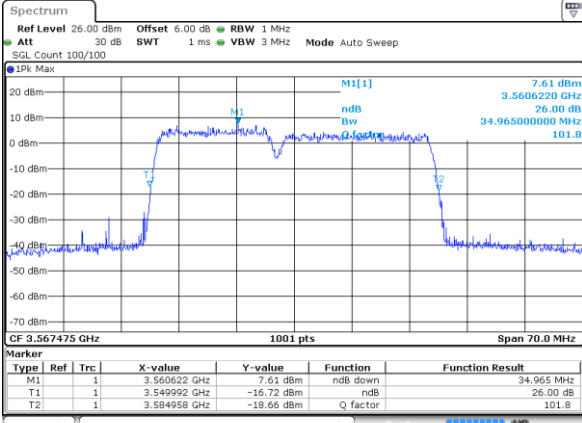
Date: 20 AUG 2020 16:07:12



LTE Band 48C

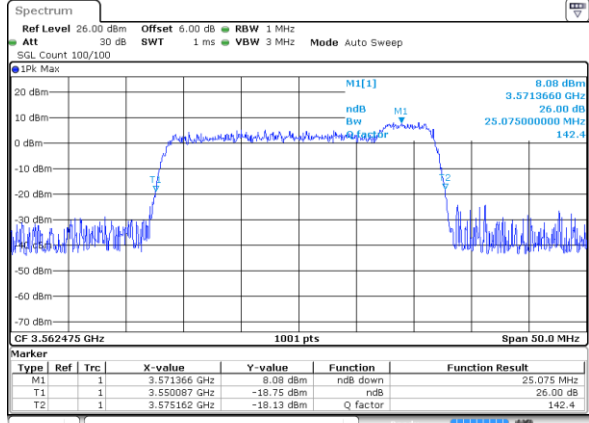
64QAM

Lowest Channel / 15MHz+20MHz



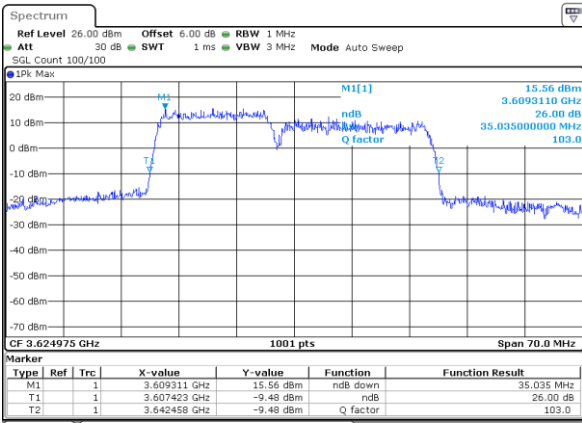
Date: 20 AUG 2020 18:39:37

Lowest Channel / 20MHz+5MHz



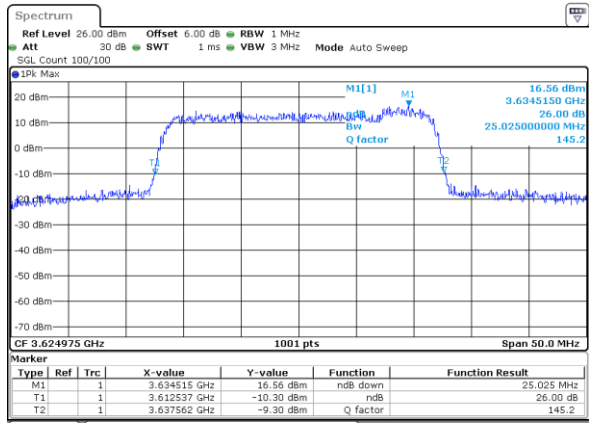
Date: 20 AUG 2020 13:07:03

Middle Channel / 15MHz+20MHz



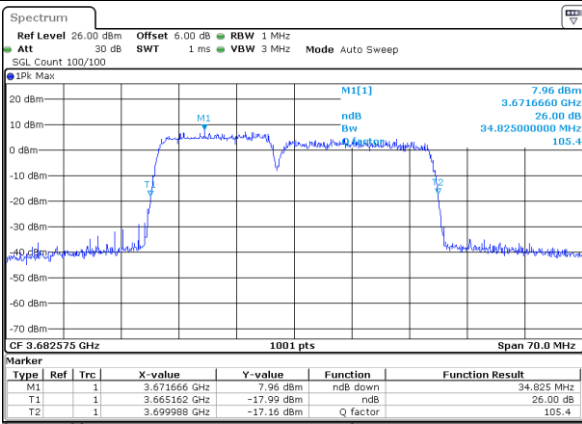
Date: 23 AUG 2020 16:02:49

Middle Channel / 20MHz+5MHz



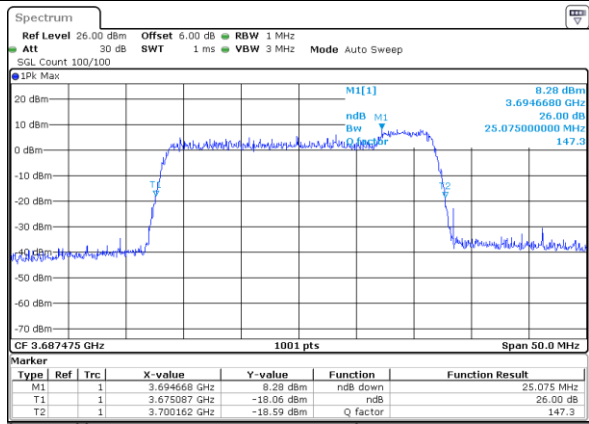
Date: 23 AUG 2020 16:08:03

Highest Channel / 15MHz+20MHz



Date: 20 AUG 2020 19:53:31

Highest Channel / 20MHz+5MHz



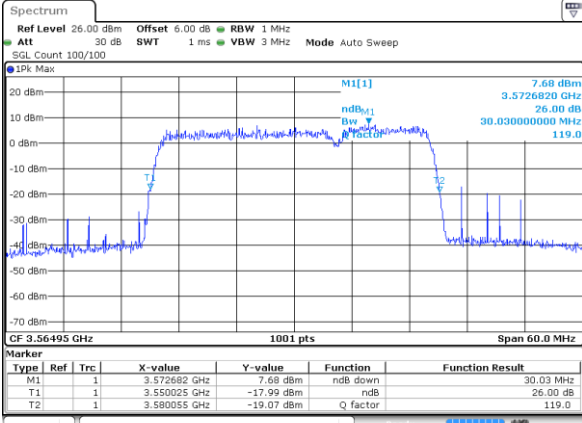
Date: 20 AUG 2020 15:02:23



LTE Band 48C

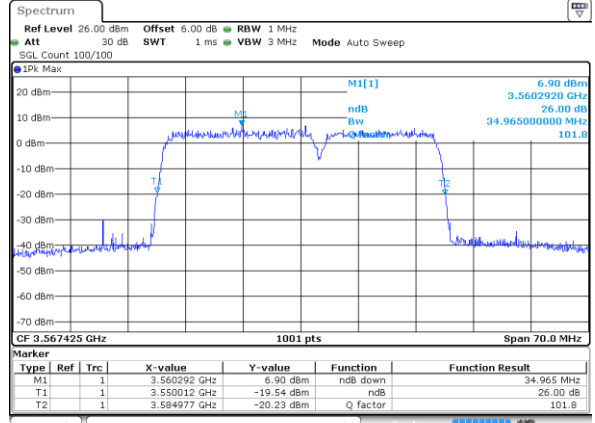
64QAM

Lowest Channel / 20MHz+10MHz



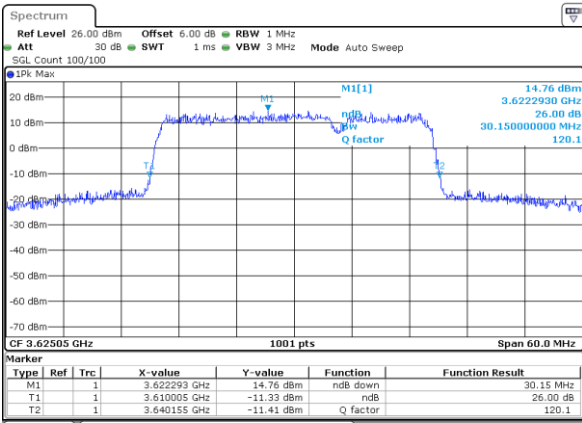
Date: 20 AUG 2020 16:27:27

Lowest Channel / 20MHz+15MHz



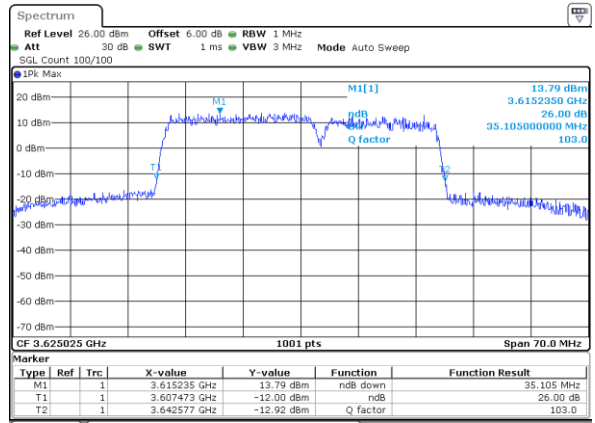
Date: 20 AUG 2020 17:37:23

Middle Channel / 20MHz+10MHz



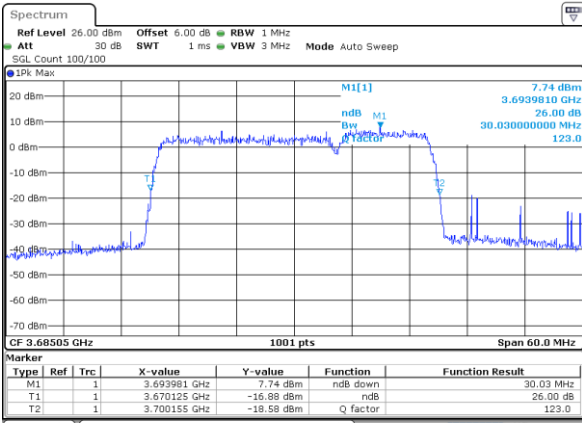
Date: 23 AUG 2020 14:57:52

Middle Channel / 20MHz+15MHz



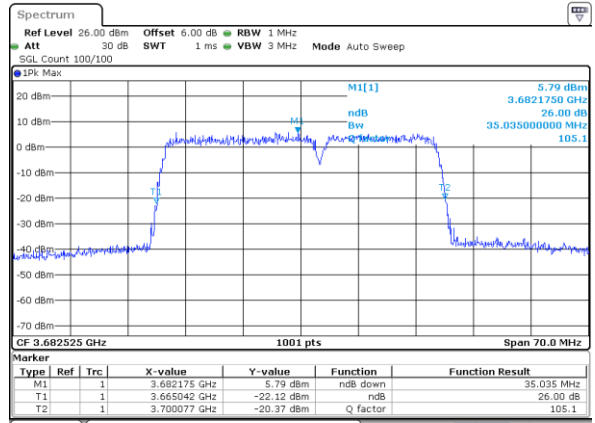
Date: 23 AUG 2020 15:38:33

Highest Channel / 20MHz+10MHz



Date: 20 AUG 2020 17:04:44

Highest Channel / 20MHz+15MHz



Date: 20 AUG 2020 18:16:20



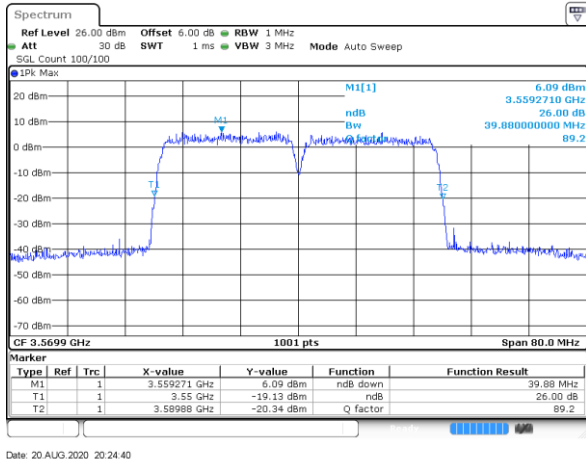


LTE Band 48C

64QAM

Lowest Channel / 20MHz+20MHz

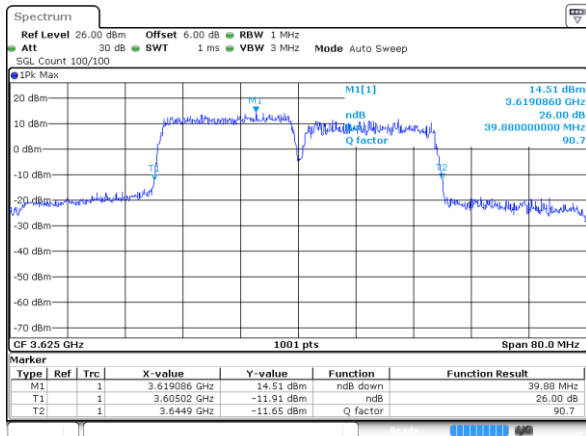
N/A



Date: 20 AUG 2020 20:24:40

Middle Channel / 20MHz+20MHz

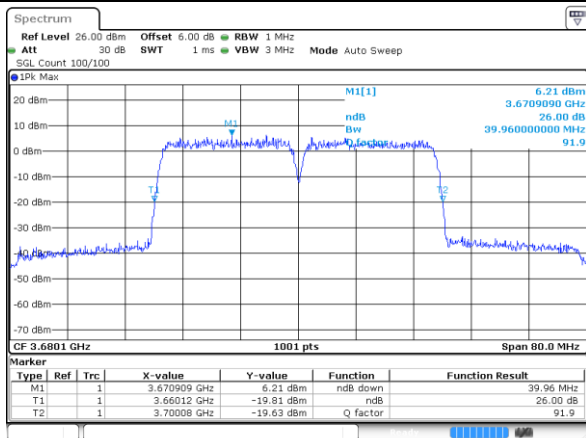
N/A



Date: 23 AUG 2020 15:44:02

Highest Channel / 20MHz+20MHz

N/A



Date: 20 AUG 2020 20:59:37





**Occupied Bandwidth**

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	23.377	27.872	32.867	23.327
Middle CH	23.327	27.992	32.727	23.277
Highest CH	23.277	27.812	32.727	23.427
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.112	32.797	37.802	-
Middle CH	28.112	32.797	37.722	-
Highest CH	28.052	32.867	37.722	-

Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	23.327	27.812	32.797	23.377
Middle CH	23.327	27.992	32.867	23.327
Highest CH	23.227	27.812	32.867	23.427
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.992	32.797	37.722	-
Middle CH	28.112	32.727	37.722	-
Highest CH	28.112	33.077	37.642	-

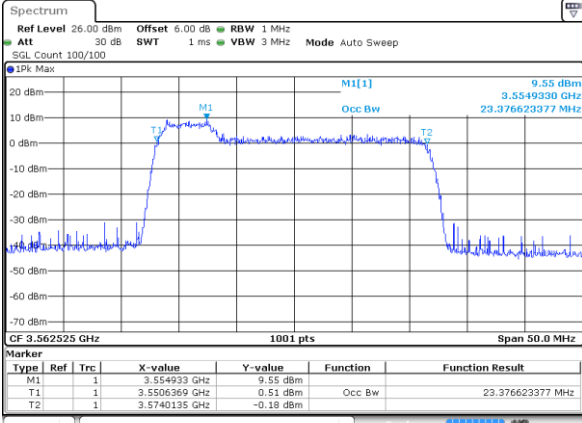
Mode	LTE Band 48C : 99%OBW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Lowest CH	23.327	27.812	32.797	23.327
Middle CH	23.177	28.052	32.797	23.327
Highest CH	23.277	27.752	32.797	23.277
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	28.112	32.867	37.722	-
Middle CH	28.052	32.727	37.802	-
Highest CH	28.052	32.727	37.722	-



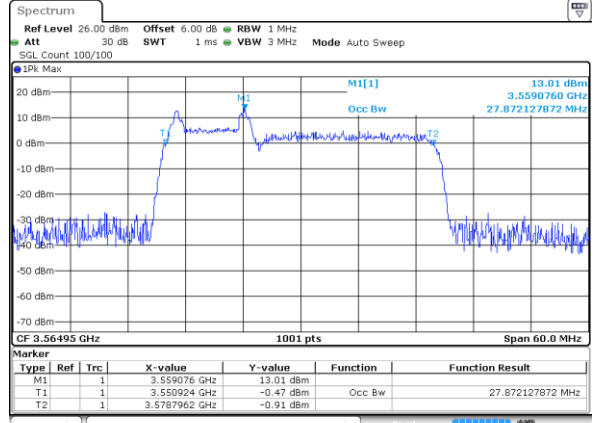
LTE Band 48C

QPSK

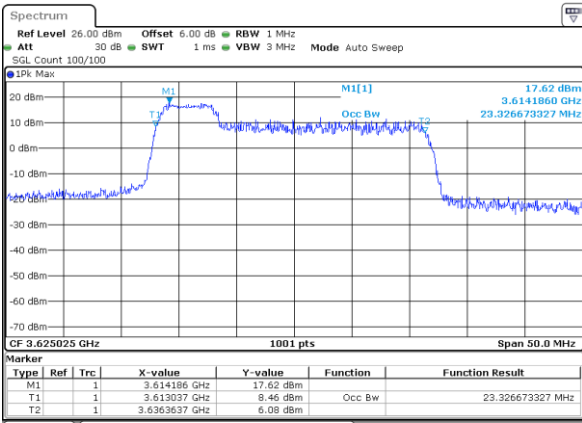
Lowest Channel / 5MHz+20MHz



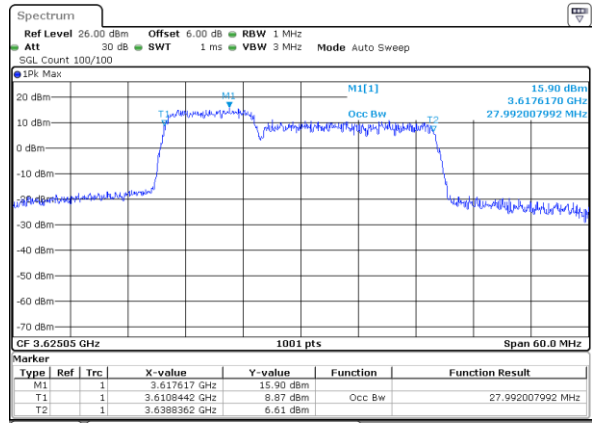
Lowest Channel / 10MHz+20MHz



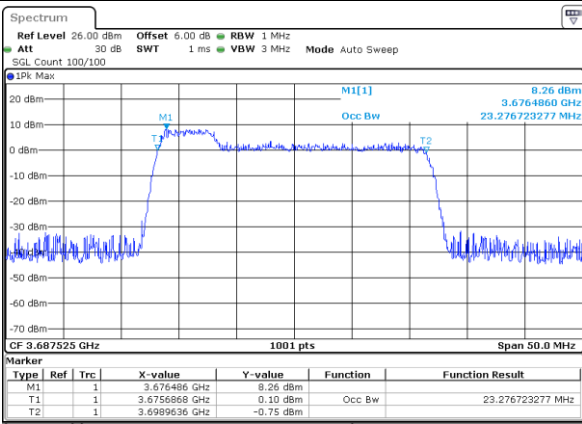
Middle Channel / 5MHz+20MHz



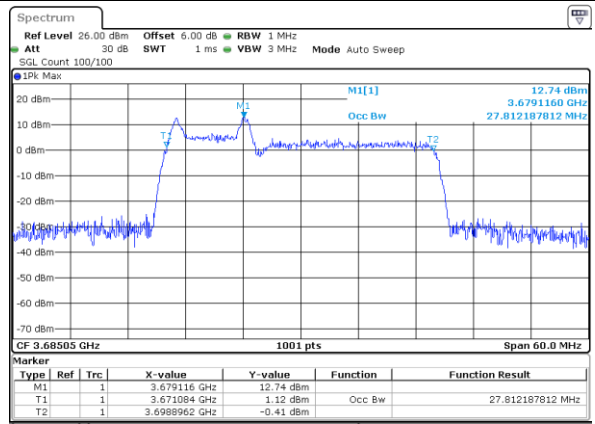
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

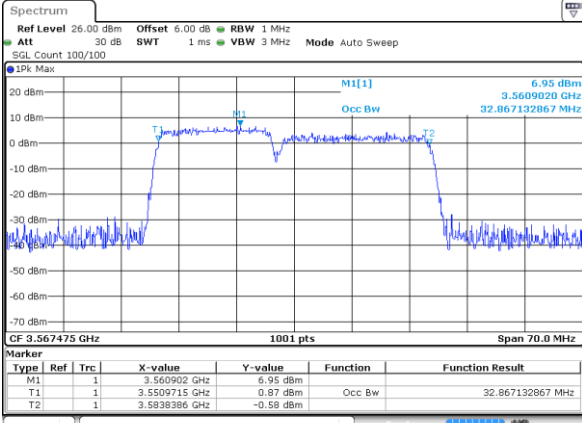




LTE Band 48C

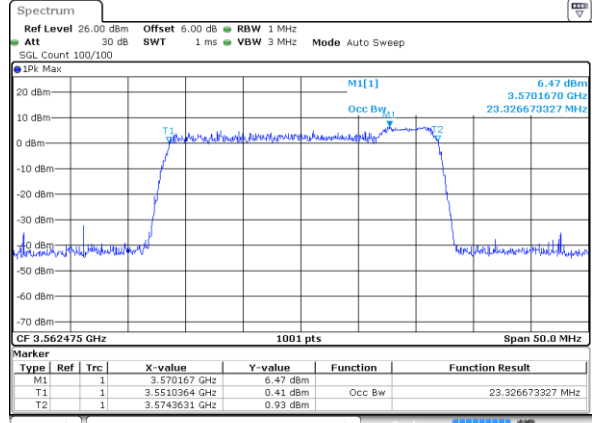
QPSK

Lowest Channel / 15MHz+20MHz



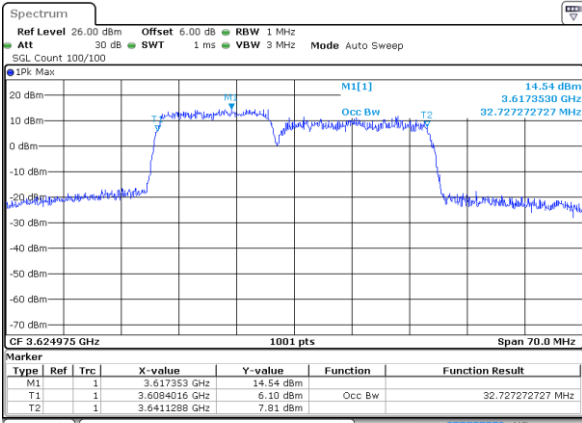
Date: 20 AUG 2020 18:38:13

Lowest Channel / 20MHz+5MHz



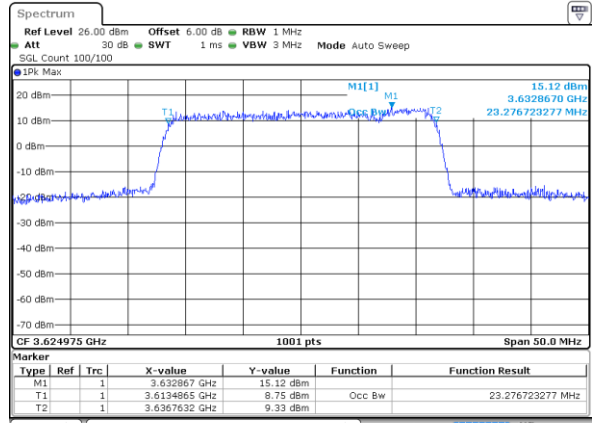
Date: 20 AUG 2020 13:06:06

Middle Channel / 15MHz+20MHz



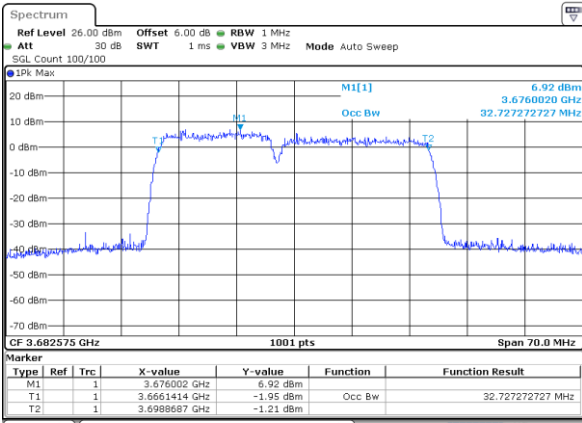
Date: 23 AUG 2020 16:04:01

Middle Channel / 20MHz+5MHz



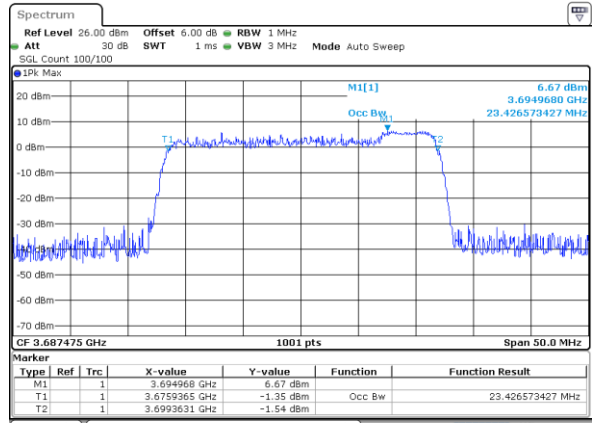
Date: 23 AUG 2020 16:06:28

Highest Channel / 15MHz+20MHz



Date: 20 AUG 2020 19:51:04

Highest Channel / 20MHz+5MHz



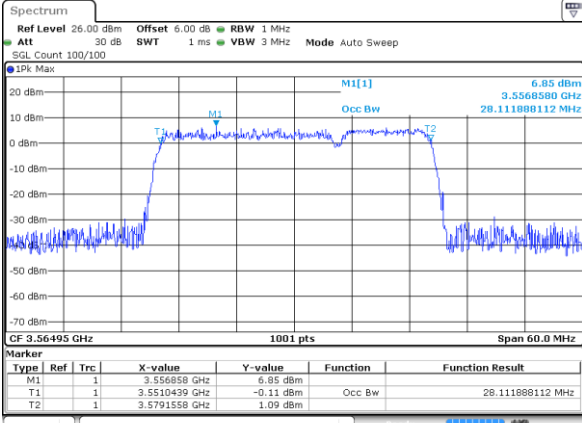
Date: 20 AUG 2020 15:01:35



LTE Band 48C

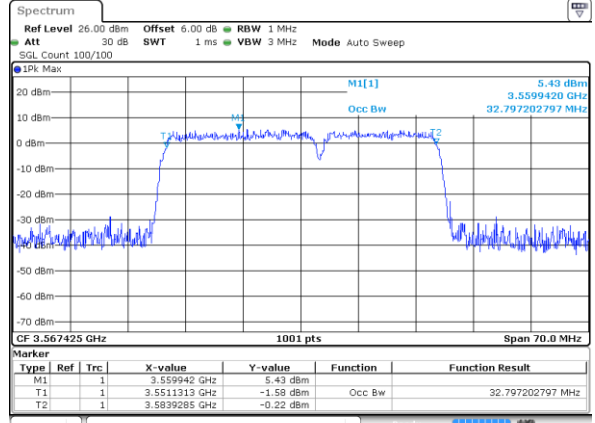
QPSK

Lowest Channel / 20MHz+10MHz



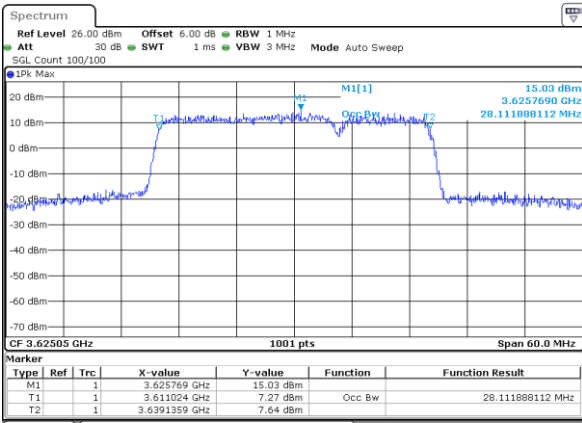
Date: 20 AUG 2020 16:26:35

Lowest Channel / 20MHz+15MHz



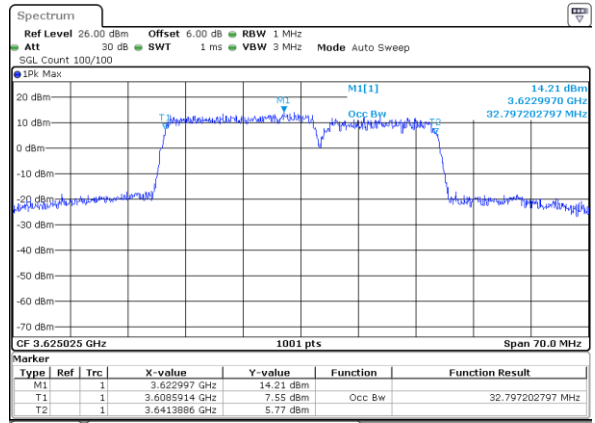
Date: 20 AUG 2020 17:36:28

Middle Channel / 20MHz+10MHz



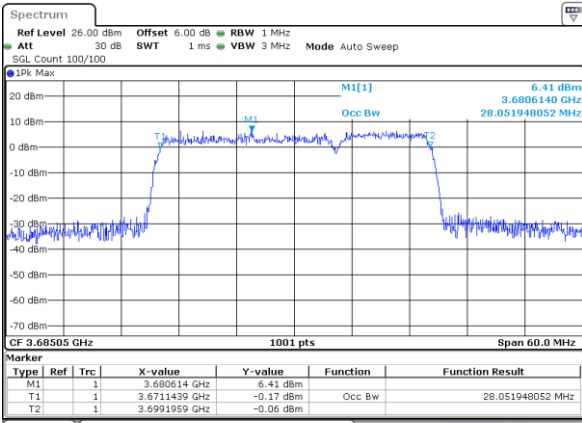
Date: 23 AUG 2020 14:53:48

Middle Channel / 20MHz+15MHz



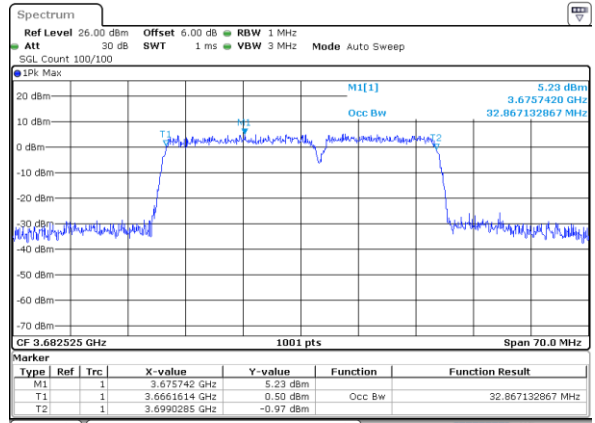
Date: 23 AUG 2020 15:39:37

Highest Channel / 20MHz+10MHz



Date: 20 AUG 2020 17:03:37

Highest Channel / 20MHz+15MHz



Date: 20 AUG 2020 18:15:24

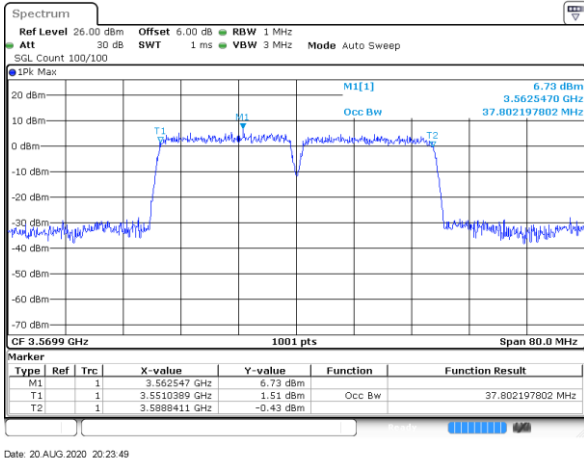


LTE Band 48C

QPSK

Lowest Channel / 20MHz+20MHz

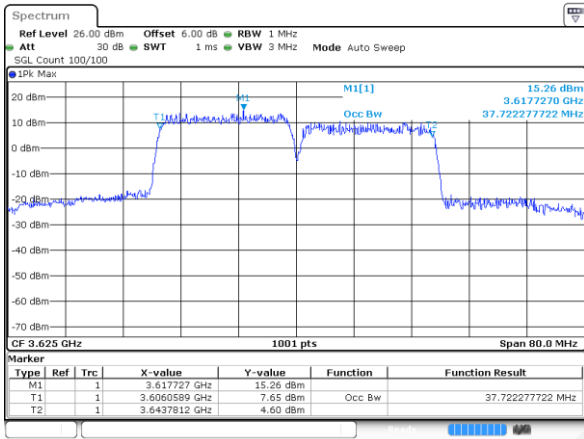
N/A



Date: 20 AUG 2020 20:23:49

Middle Channel / 20MHz+20MHz

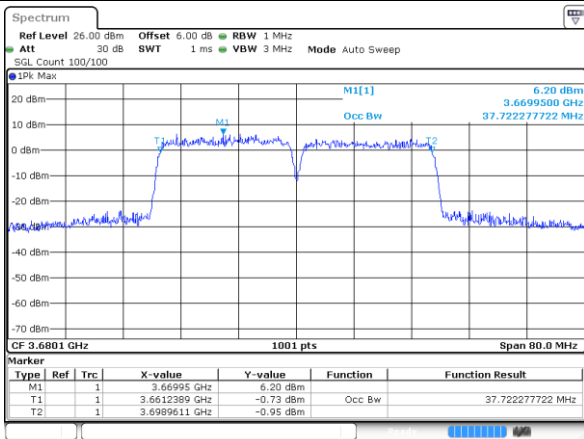
N/A



Date: 23 AUG 2020 15:42:38

Highest Channel / 20MHz+20MHz

N/A



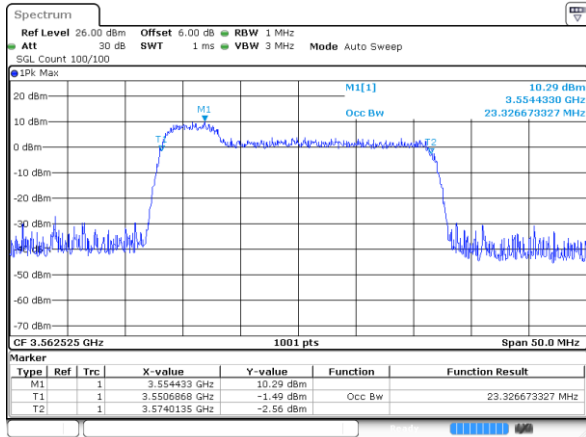
Date: 20 AUG 2020 20:58:46



LTE Band 48C

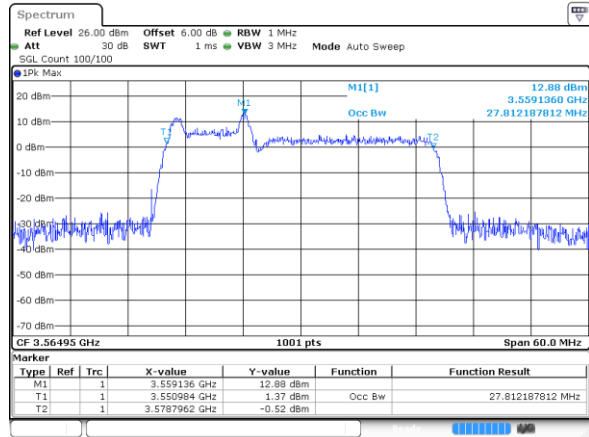
16QAM

Lowest Channel / 5MHz+20MHz



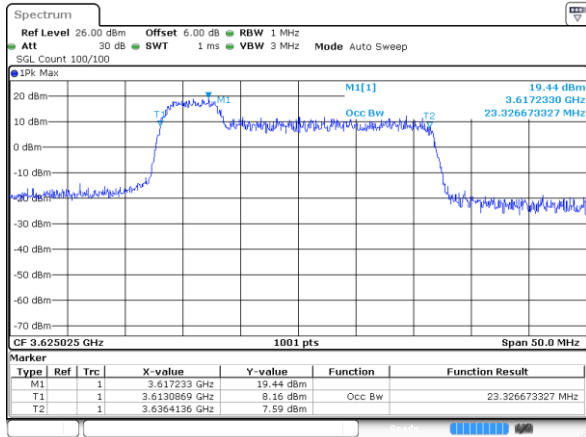
Date: 20 AUG 2020 12:16:33

Lowest Channel / 10MHz+20MHz



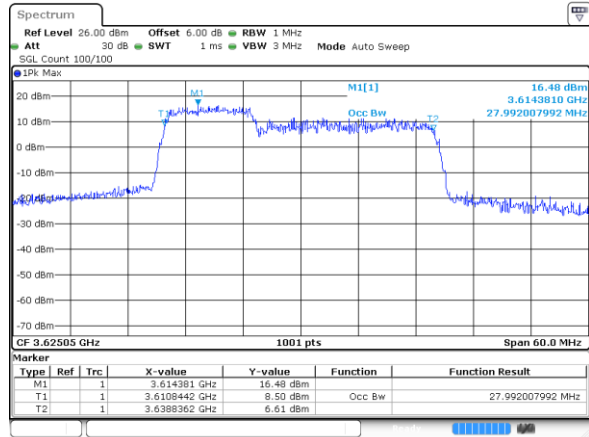
Date: 20 AUG 2020 15:31:46

Middle Channel / 5MHz+20MHz



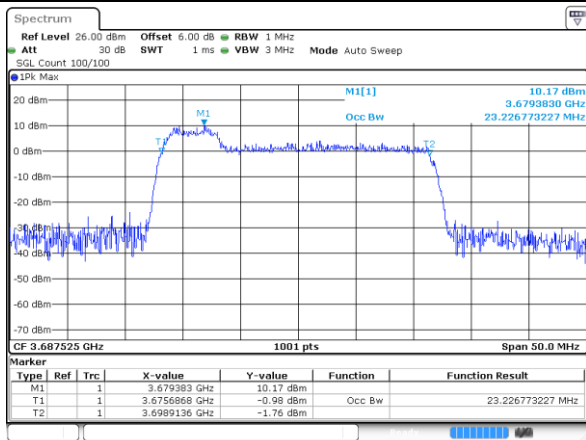
Date: 23 AUG 2020 16:37:23

Middle Channel / 10MHz+20MHz



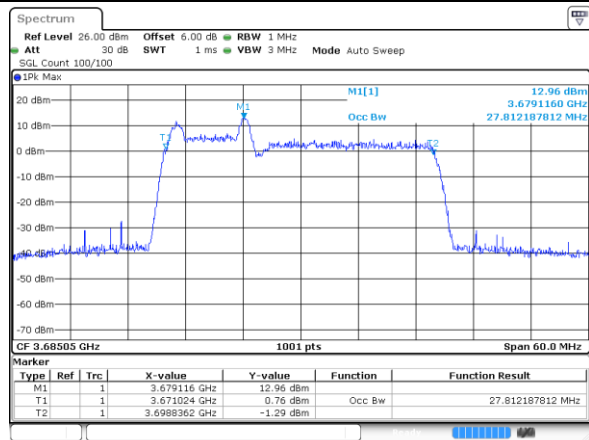
Date: 23 AUG 2020 15:55:46

Highest Channel / 5MHz+20MHz



Date: 20 AUG 2020 12:48:02

Highest Channel / 10MHz+20MHz



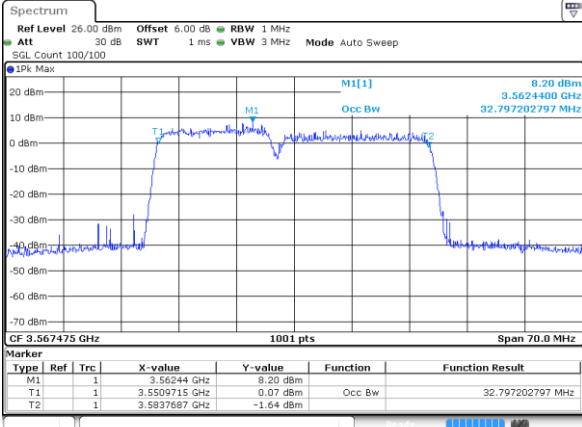
Date: 20 AUG 2020 16:06:43



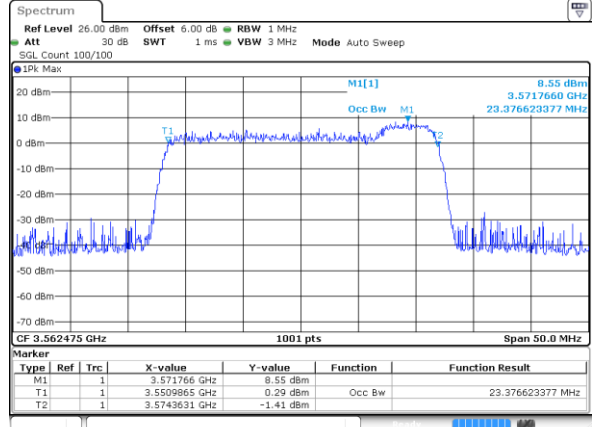
LTE Band 48C

16QAM

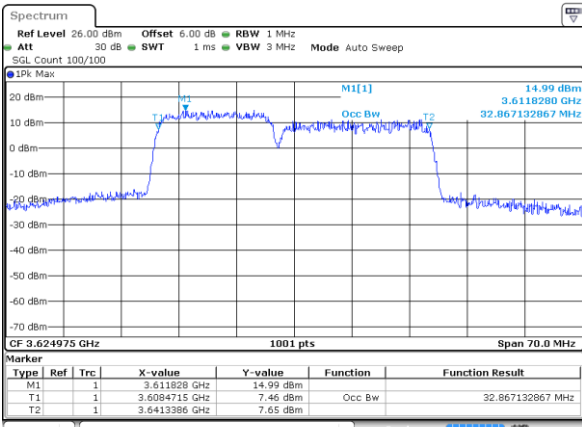
Lowest Channel / 15MHz+20MHz



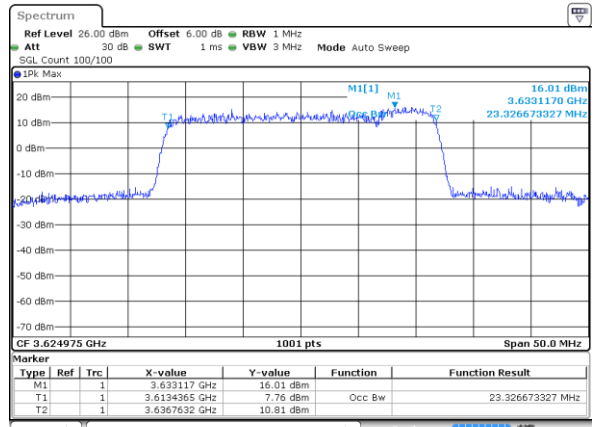
Lowest Channel / 20MHz+5MHz



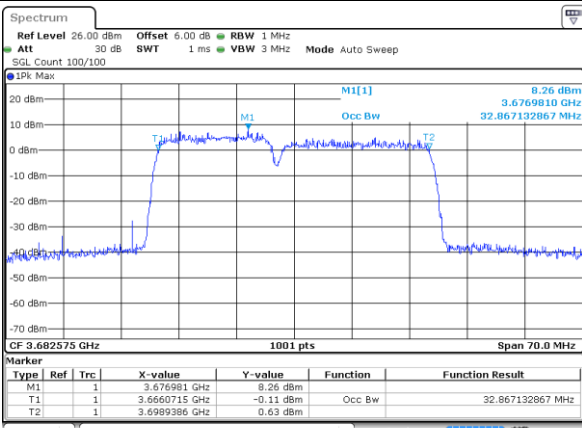
Middle Channel / 15MHz+20MHz



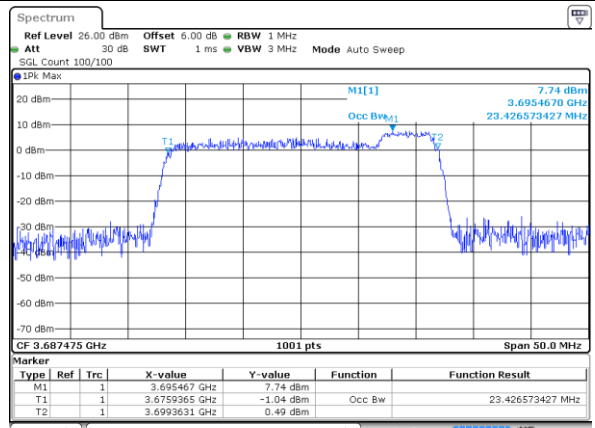
Middle Channel / 20MHz+5MHz



Highest Channel / 15MHz+20MHz



Highest Channel / 20MHz+5MHz



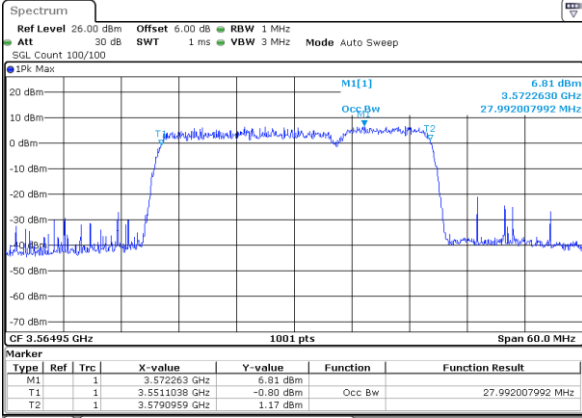




LTE Band 48C

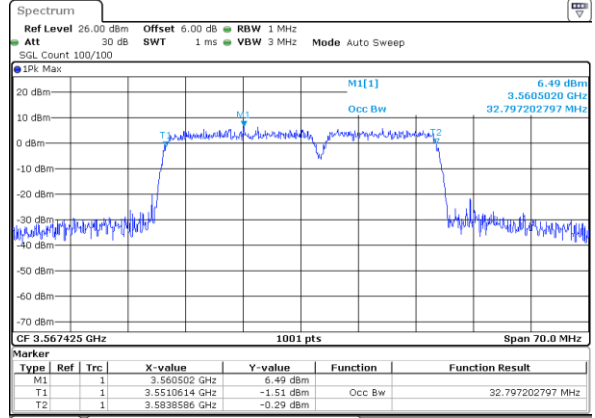
16QAM

Lowest Channel / 20MHz+10MHz



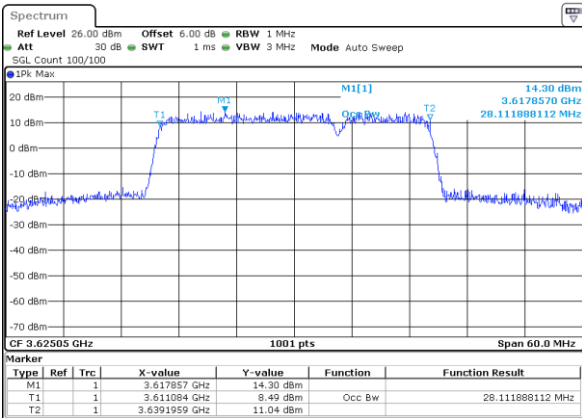
Date: 20 AUG 2020 16:26:56

Lowest Channel / 20MHz+15MHz



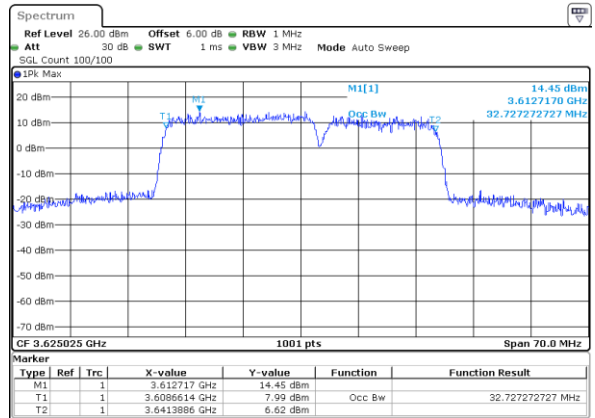
Date: 20 AUG 2020 17:36:53

Middle Channel / 20MHz+10MHz



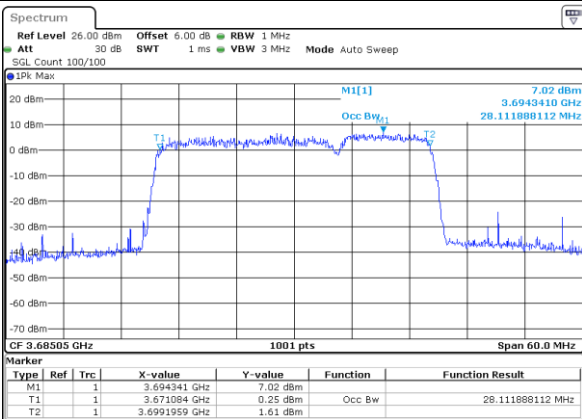
Date: 23 AUG 2020 14:58:48

Middle Channel / 20MHz+15MHz



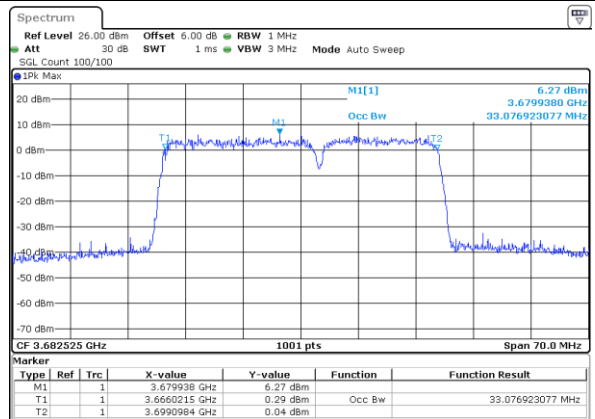
Date: 23 AUG 2020 15:38:57

Highest Channel / 20MHz+10MHz



Date: 20 AUG 2020 17:04:02

Highest Channel / 20MHz+15MHz



Date: 20 AUG 2020 18:15:51

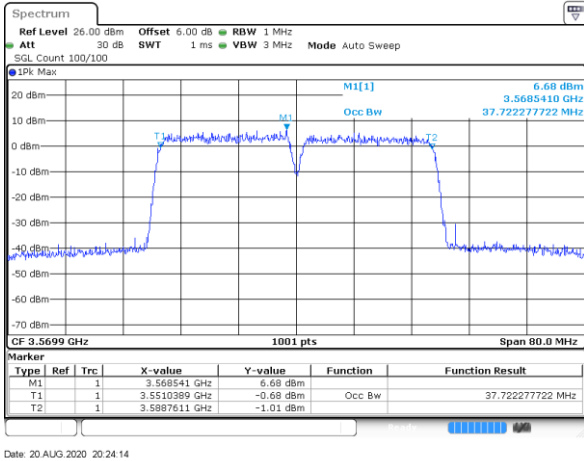


LTE Band 48C

16QAM

Lowest Channel / 20MHz+20MHz

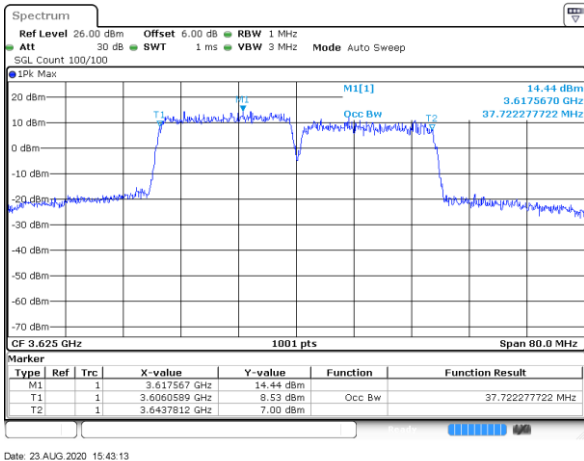
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Date: 20 AUG 2020 20:24:14

Middle Channel / 20MHz+20MHz

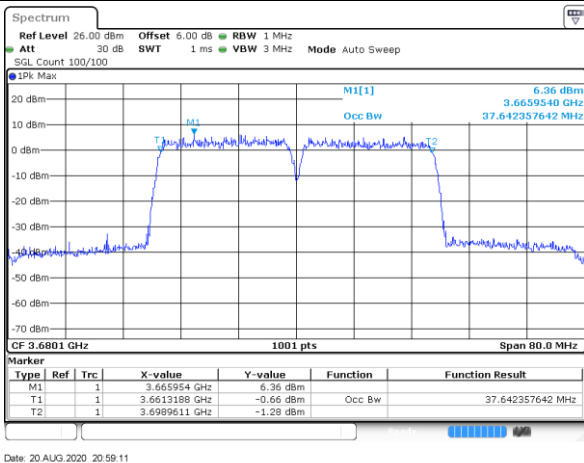
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Date: 23 AUG 2020 15:43:13

Highest Channel / 20MHz+20MHz

N/A



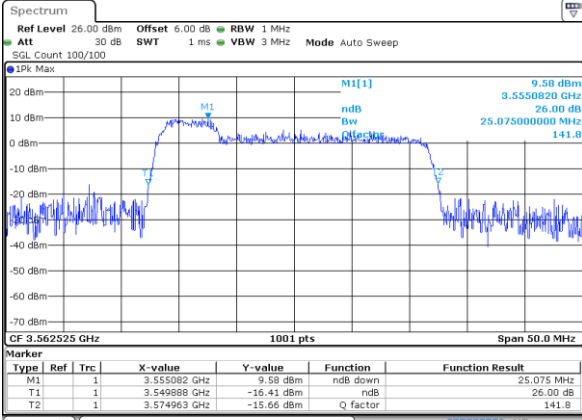
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LTE Band 48C

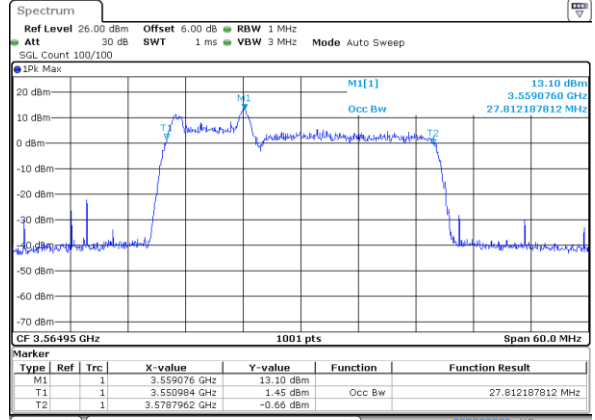
64QAM

Lowest Channel / 5MHz+20MHz



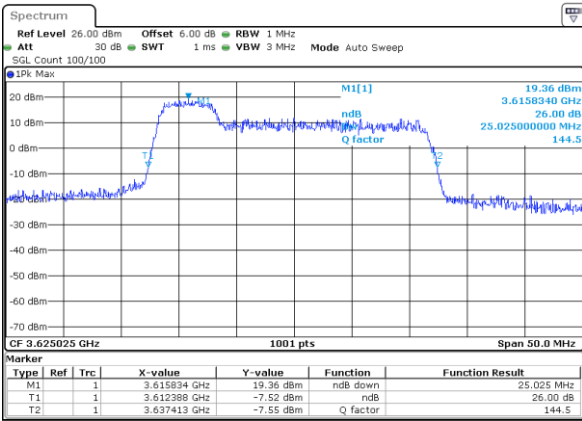
Date: 20 AUG 2020 12:17:09

Lowest Channel / 10MHz+20MHz



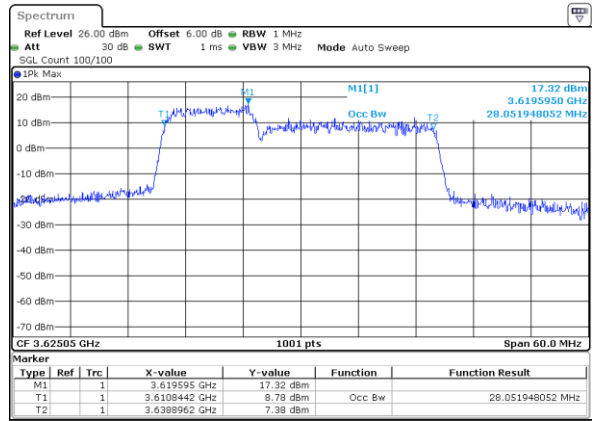
Date: 20 AUG 2020 15:32:13

Middle Channel / 5MHz+20MHz



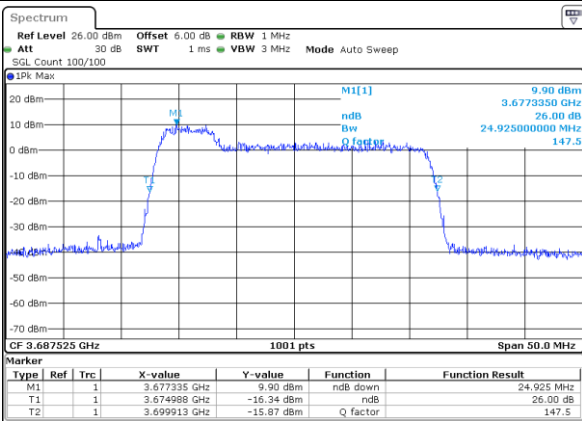
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Middle Channel / 10MHz+20MHz



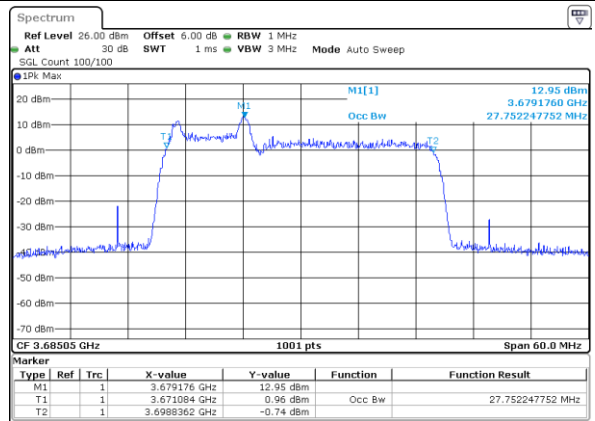
Date: 23 AUG 2020 15:56:21

Highest Channel / 5MHz+20MHz



Date: 20 AUG 2020 12:48:35

Highest Channel / 10MHz+20MHz



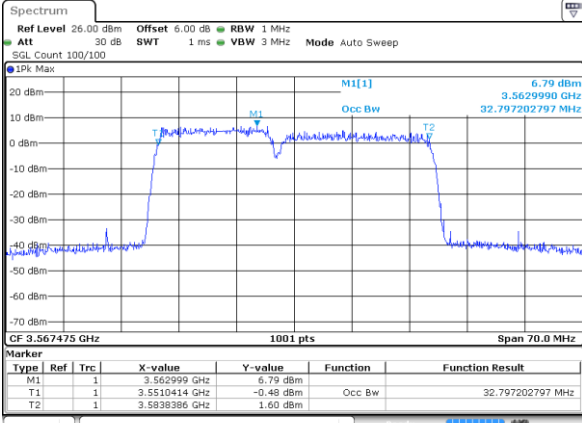
Date: 20 AUG 2020 16:07:05



LTE Band 48C

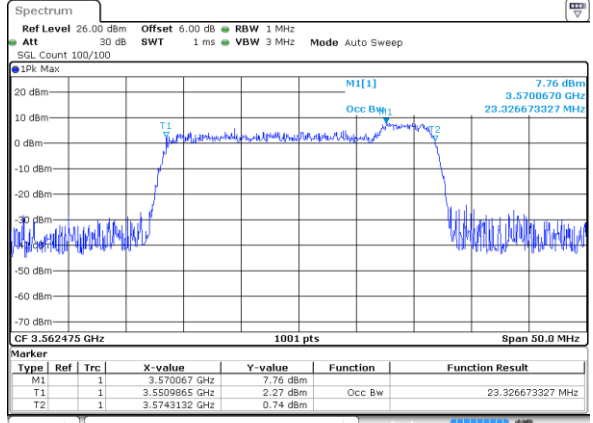
64QAM

Lowest Channel / 15MHz+20MHz



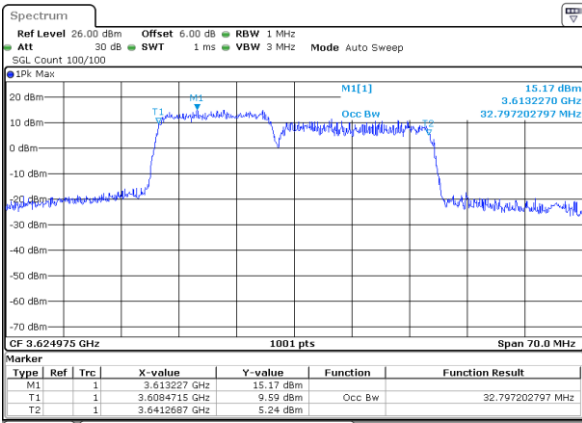
Date: 20 AUG 2020 18:39:03

Lowest Channel / 20MHz+5MHz



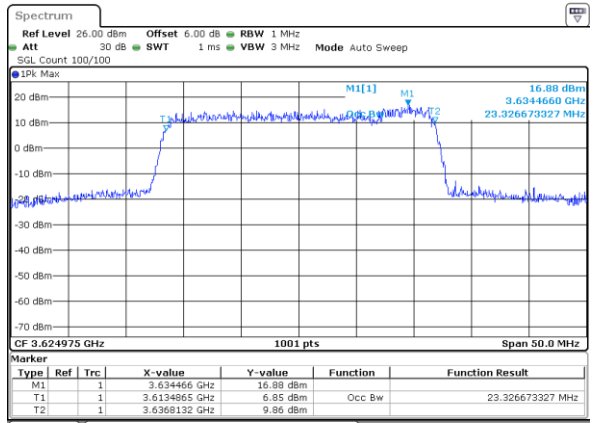
Date: 20 AUG 2020 13:06:57

Middle Channel / 15MHz+20MHz



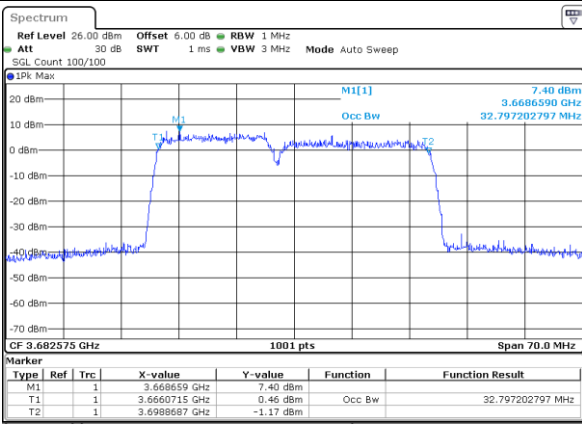
Date: 23 AUG 2020 16:02:35

Middle Channel / 20MHz+5MHz



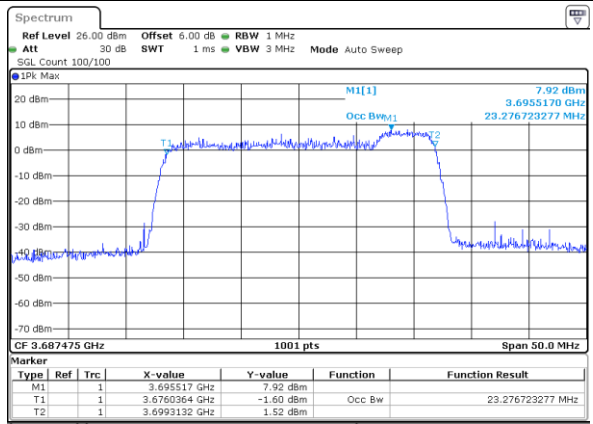
Date: 23 AUG 2020 16:07:49

Highest Channel / 15MHz+20MHz



Date: 20 AUG 2020 19:53:23

Highest Channel / 20MHz+5MHz



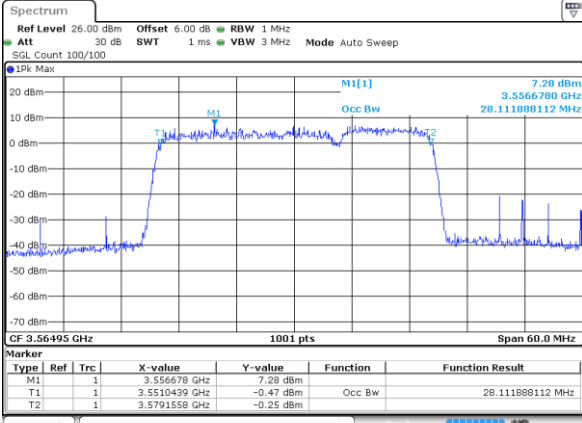
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LTE Band 48C

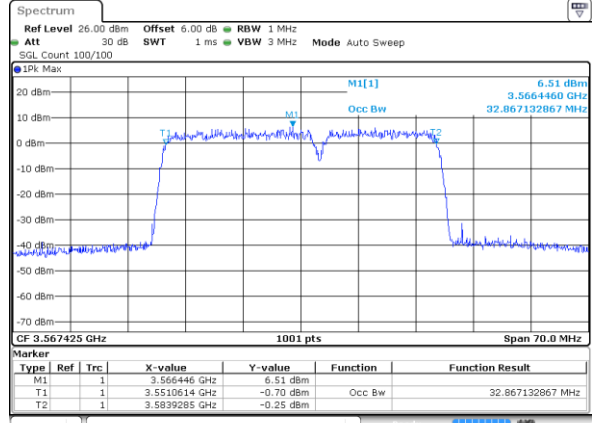
64QAM

Lowest Channel / 20MHz+10MHz



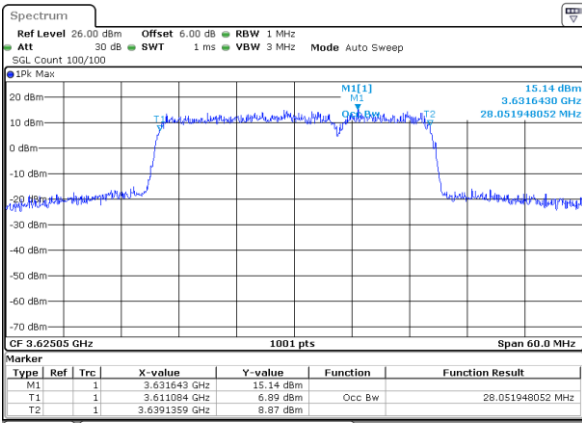
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Lowest Channel / 20MHz+15MHz



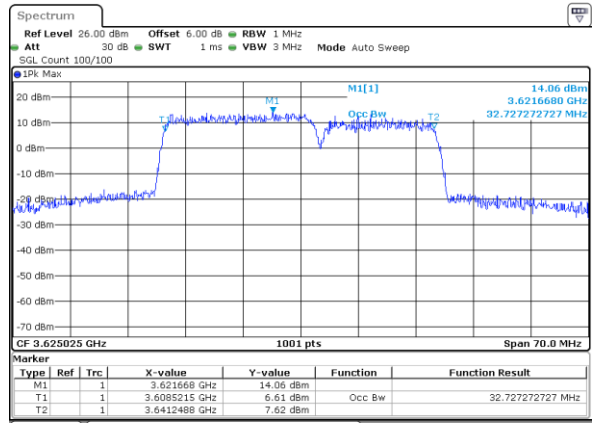
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Middle Channel / 20MHz+10MHz



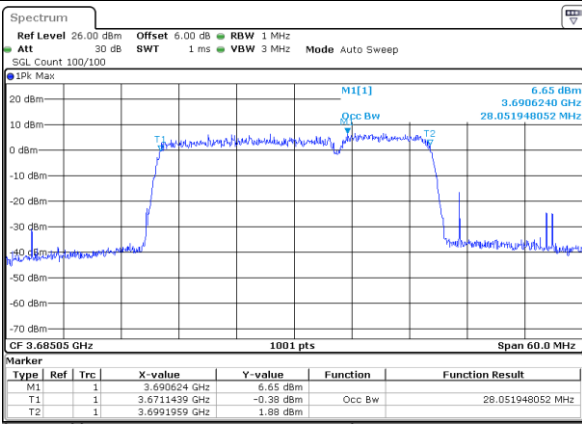
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Middle Channel / 20MHz+15MHz



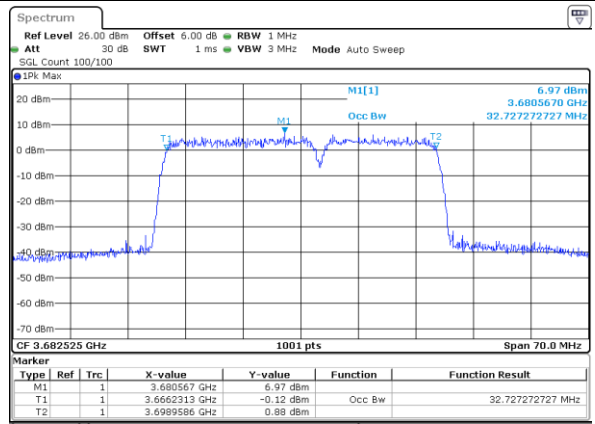
Date: 23 AUG 2020 15:38:20

Highest Channel / 20MHz+10MHz



Date: 20 AUG 2020 17:04:36

Highest Channel / 20MHz+15MHz



Date: 20 AUG 2020 18:16:14



LTE Band 48C																													
64QAM																													
Lowest Channel / 20MHz+20MHz	N/A																												
<p>Spectrum</p> <p>Ref Level 26.00 dBm Offset 6.00 dB RBW 1 MHz            Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep            SQL Count 100/100</p> <p>CF 3.5699 GHz 1001 pts Span 80.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>3.560869 GHz</td> <td>6.57 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>3.5510389 GHz</td> <td>0.71 dBm</td> <td>Occ Bw</td> <td>37.722277722 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>3.5897611 GHz</td> <td>1.60 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 20 AUG 2020 20:24:34</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		3.560869 GHz	6.57 dBm			T1	1		3.5510389 GHz	0.71 dBm	Occ Bw	37.722277722 MHz	T2	1		3.5897611 GHz	1.60 dBm			<p style="text-align: center;">N/A</p>
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1		3.560869 GHz	6.57 dBm																									
T1	1		3.5510389 GHz	0.71 dBm	Occ Bw	37.722277722 MHz																							
T2	1		3.5897611 GHz	1.60 dBm																									
Middle Channel / 20MHz+20MHz	N/A																												
<p>Spectrum</p> <p>Ref Level 26.00 dBm Offset 6.00 dB RBW 1 MHz            Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep            SQL Count 100/100</p> <p>CF 3.625 GHz 1001 pts Span 80.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>3.617967 GHz</td> <td>15.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>3.6060589 GHz</td> <td>7.10 dBm</td> <td>Occ Bw</td> <td>37.802197802 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>3.6438611 GHz</td> <td>6.36 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 23 AUG 2020 15:43:51</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		3.617967 GHz	15.02 dBm			T1	1		3.6060589 GHz	7.10 dBm	Occ Bw	37.802197802 MHz	T2	1		3.6438611 GHz	6.36 dBm			<p style="text-align: center;">N/A</p>
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1		3.617967 GHz	15.02 dBm																									
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T2	1		3.6438611 GHz	6.36 dBm																									
Highest Channel / 20MHz+20MHz	N/A																												
<p>Spectrum</p> <p>Ref Level 26.00 dBm Offset 6.00 dB RBW 1 MHz            Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep            SQL Count 100/100</p> <p>CF 3.6801 GHz 1001 pts Span 80.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>3.677702 GHz</td> <td>6.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>3.6612389 GHz</td> <td>-0.32 dBm</td> <td>Occ Bw</td> <td>37.722277722 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>3.6989611 GHz</td> <td>-0.65 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 20 AUG 2020 20:59:31</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		3.677702 GHz	6.14 dBm			T1	1		3.6612389 GHz	-0.32 dBm	Occ Bw	37.722277722 MHz	T2	1		3.6989611 GHz	-0.65 dBm			<p style="text-align: center;">N/A</p>
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M1	1		3.677702 GHz	6.14 dBm																									
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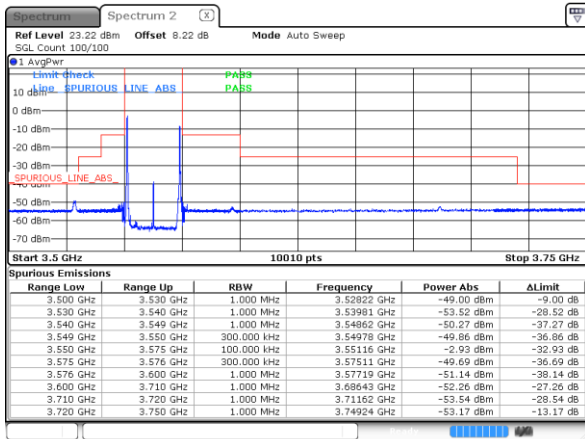
# Conducted Band Edge

## LTE Band 48C / 5MHz+20MHz

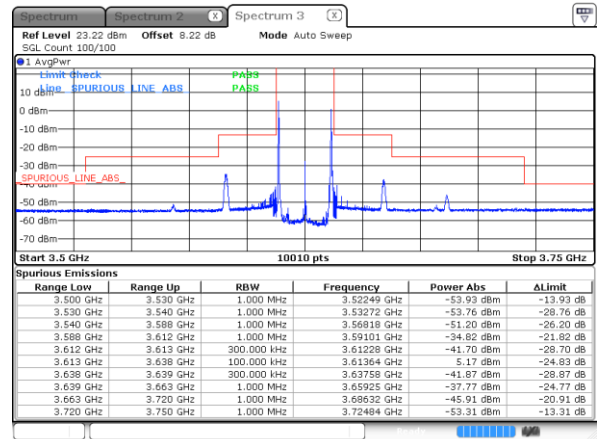
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB99

#### Middle Band Edge / 1RB0 and 1RB99



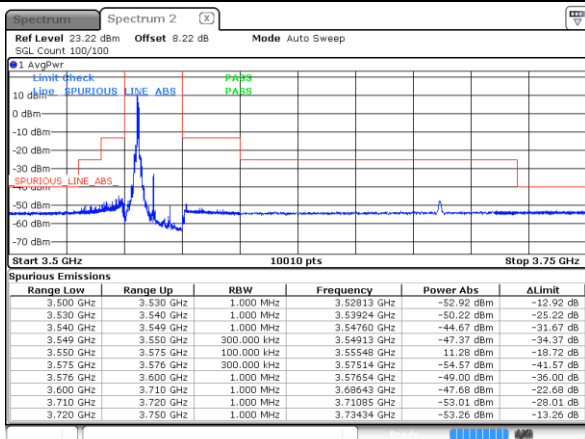
Date: 29 AUG 2020 06:27:01



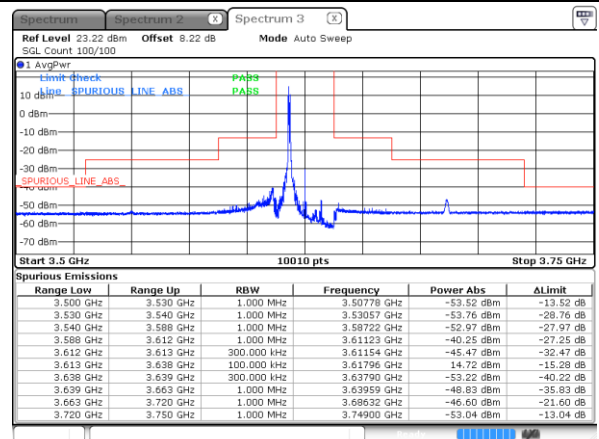
Date: 29 AUG 2020 06:57:19

#### Lowest Band Edge / 1RB24 and 1RB0

#### Middle Band Edge / 1RB24 and 1RB0

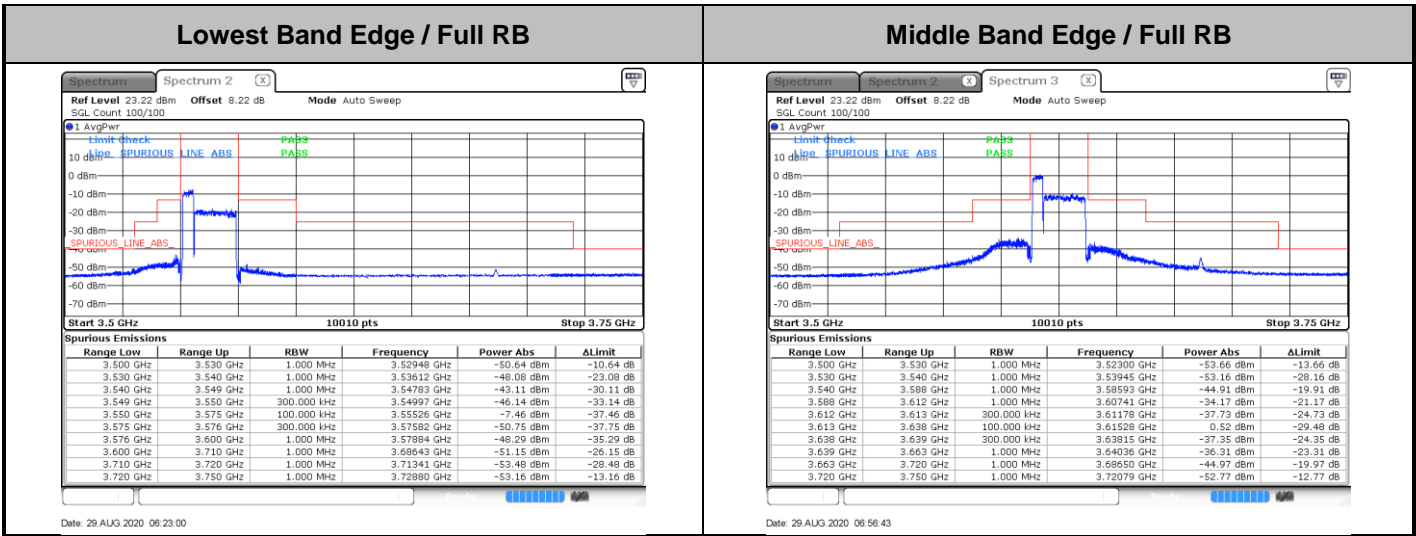


Date: 29 AUG 2020 06:28:11



Date: 29 AUG 2020 07:00:42





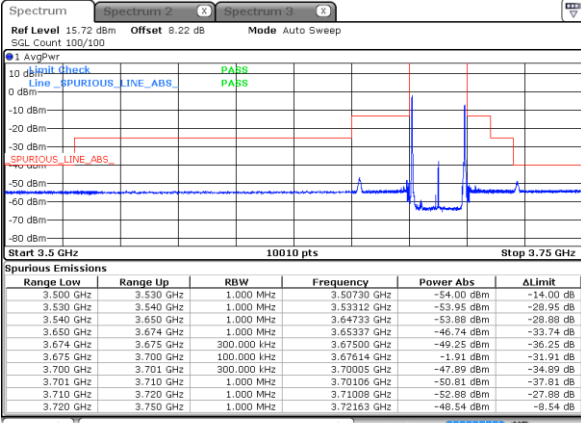


LTE Band 48C / 5MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

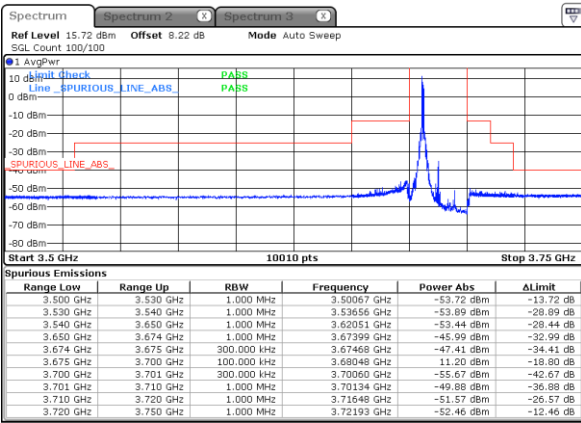
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Date: 29 AUG 2020 07:05:00

Highest Band Edge / 1RB24 and 1RB0

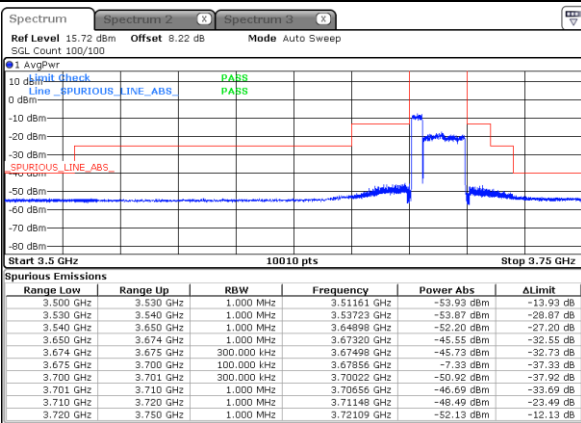
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Date: 29 AUG 2020 07:05:38

Highest Band Edge / Full RB

N/A



Date: 29 AUG 2020 07:02:01

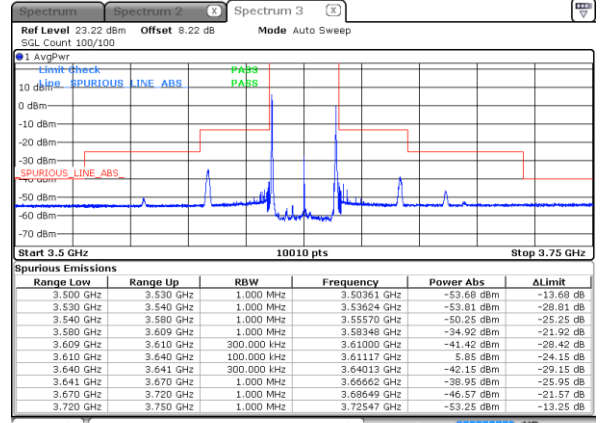
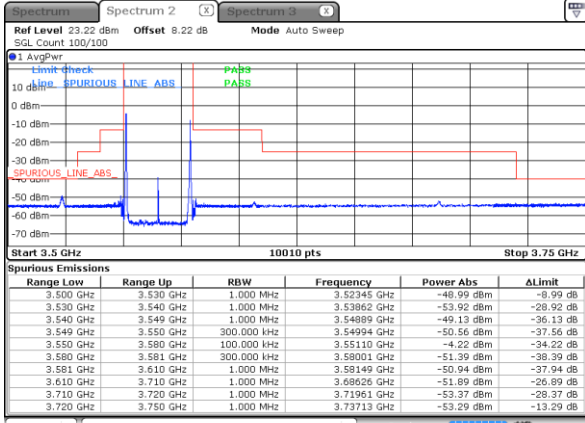


LTE Band 48C / 10MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Middle Band Edge / 1RB0 and 1RB9

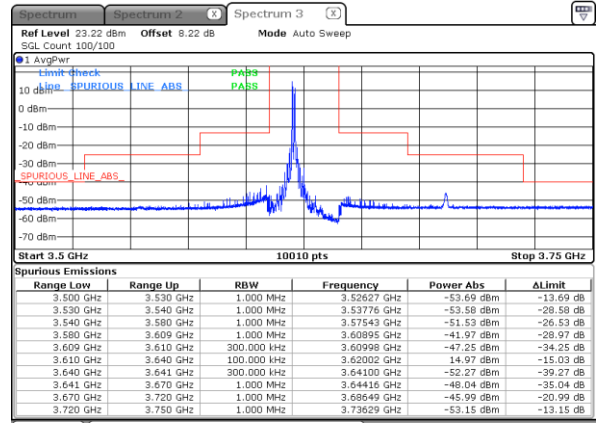
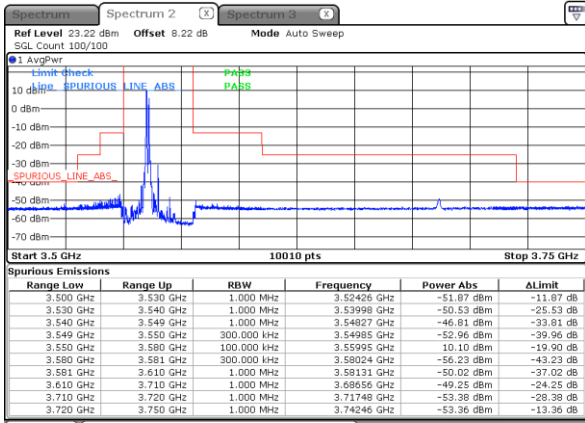


Date: 29 AUG 2020 08:17:34

Date: 29 AUG 2020 08:26:30

Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0

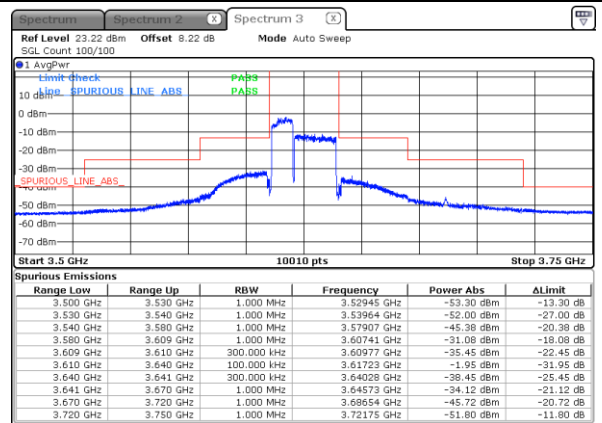
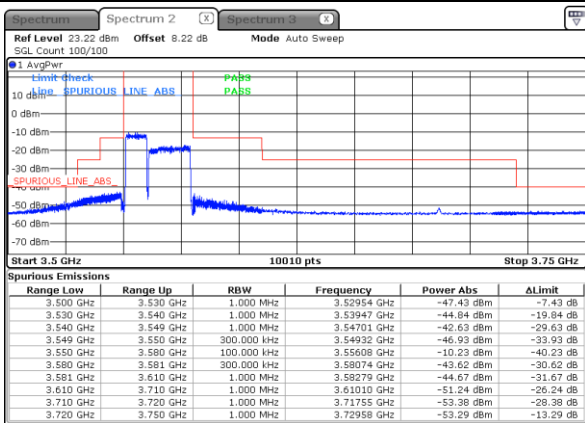


Date: 29 AUG 2020 08:18:12

Date: 29 AUG 2020 08:27:15

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 29 AUG 2020 08:14:45

Date: 29 AUG 2020 08:21:43