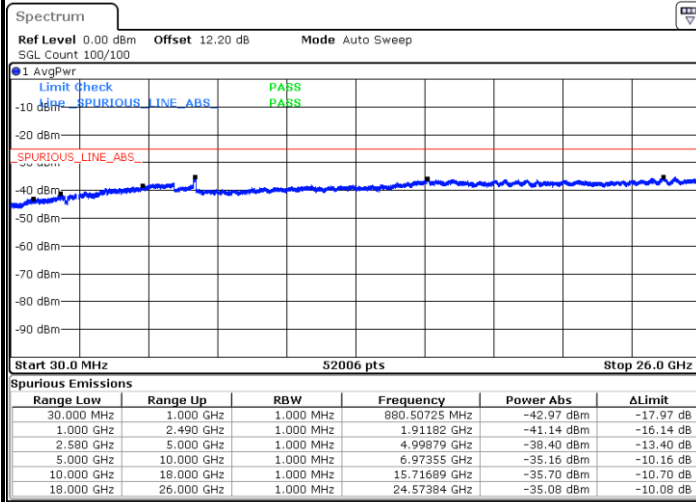




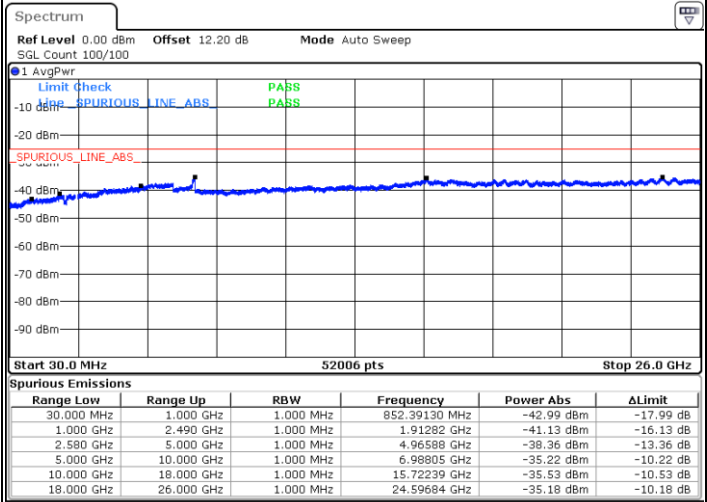
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



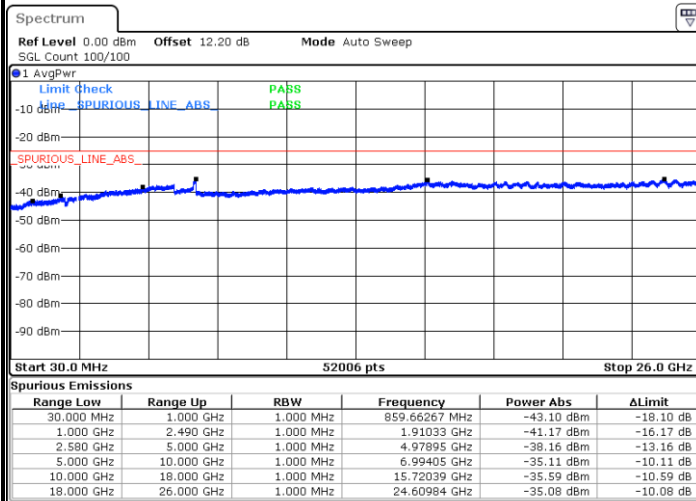
Date: 20.APR.2020 14:59:47

Middle Channel / 64QAM



Date: 20.APR.2020 15:01:04

Highest Channel / 64QAM

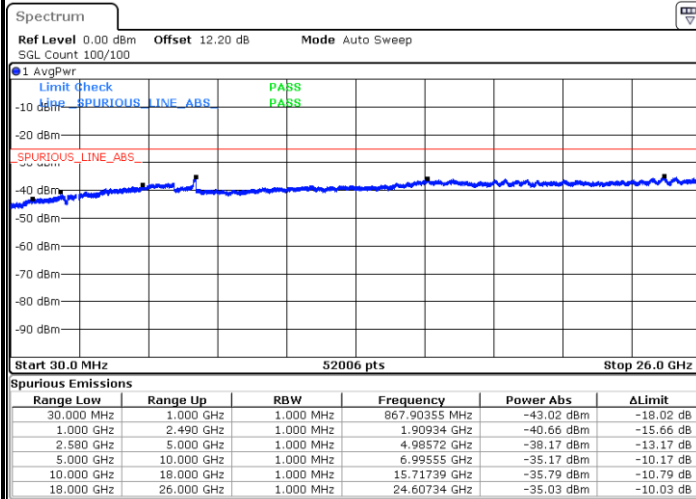


Date: 20.APR.2020 15:03:25



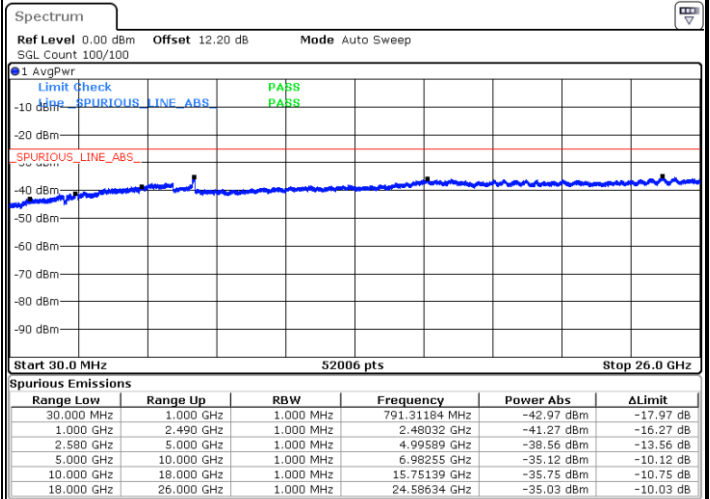
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



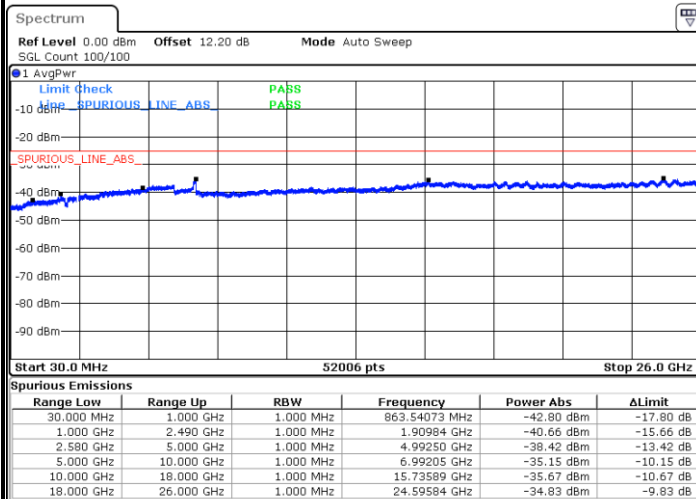
Date: 20.APR.2020 15:17:44

Middle Channel / 64QAM



Date: 20.APR.2020 15:19:00

Highest Channel / 64QAM



Date: 20.APR.2020 15:21:20

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0030	
-30	Normal Voltage	0.0058	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.1 V. ; Maximum Voltage =3.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.91	25.18	30.45	34.83
Middle CH	29.85	25.18	30.75	34.76
Highest CH	29.85	25.23	30.45	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.09	34.90	39.72	-
Middle CH	30.15	35.04	39.80	-
Highest CH	30.09	35.11	39.72	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.91	25.23	30.75	34.83
Middle CH	29.97	25.18	30.51	34.76
Highest CH	29.79	25.08	30.57	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.85	34.97	39.56	-
Middle CH	29.97	34.97	39.80	-
Highest CH	29.97	35.04	39.88	-

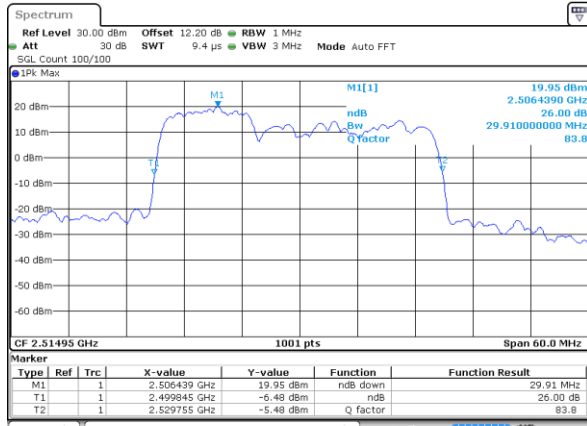
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.79	25.28	30.51	34.62
Middle CH	29.73	25.18	30.45	34.62
Highest CH	30.03	25.03	30.57	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.09	34.83	39.72	-
Middle CH	29.85	35.04	39.80	-
Highest CH	30.03	34.90	39.80	-



LTE Band 7C

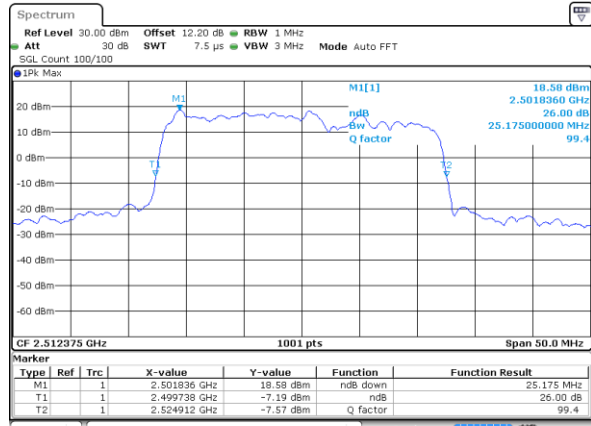
QPSK

Lowest Channel / 10MHz+20MHz



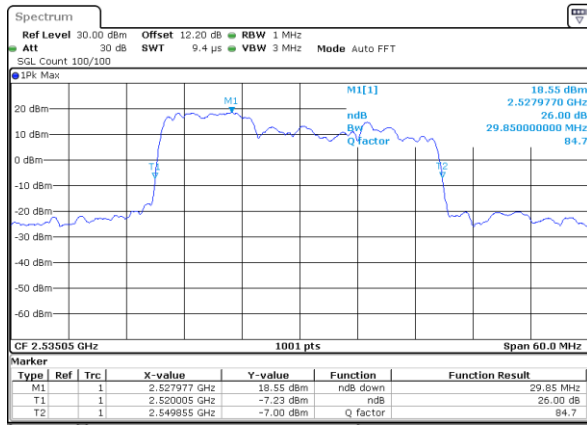
Date: 19 MAY 2020 03:52:29

Lowest Channel / 15MHz+10MHz



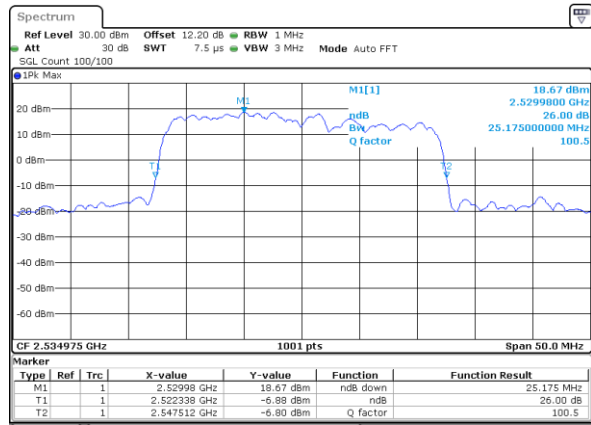
Date: 20 MAY 2020 02:50:44

Middle Channel / 10MHz+20MHz



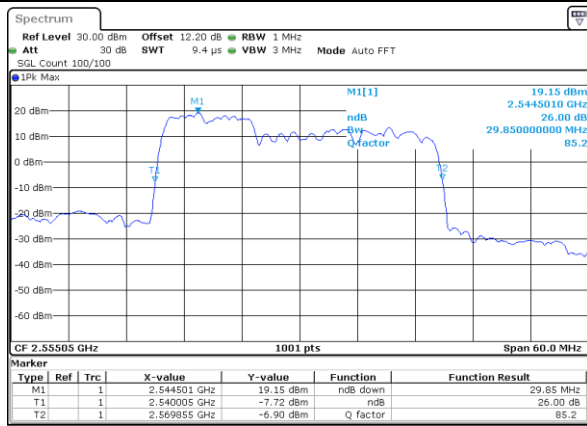
Date: 19 MAY 2020 04:13:53

Middle Channel / 15MHz+10MHz



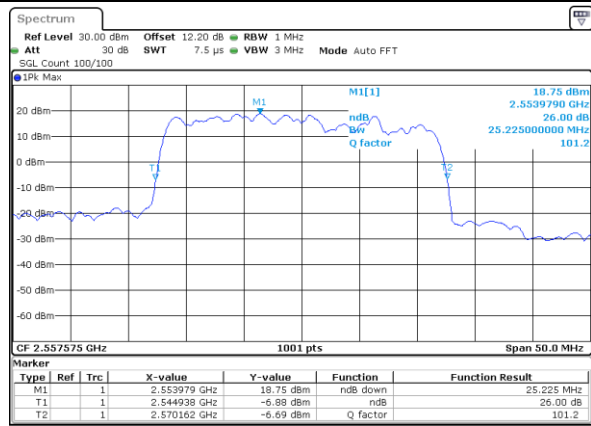
Date: 20 MAY 2020 03:12:30

Highest Channel / 10MHz+20MHz



Date: 19 MAY 2020 04:28:20

Highest Channel / 15MHz+10MHz



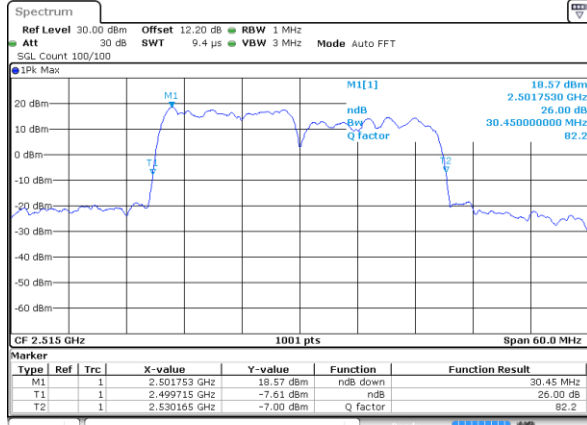
Date: 20 MAY 2020 03:29:18



LTE Band 7C

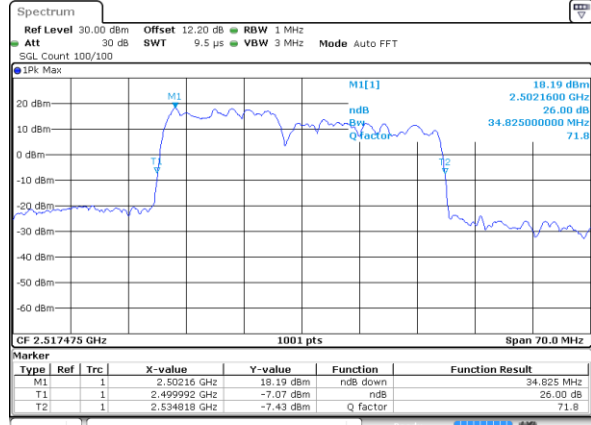
QPSK

Lowest Channel / 15MHz+15MHz



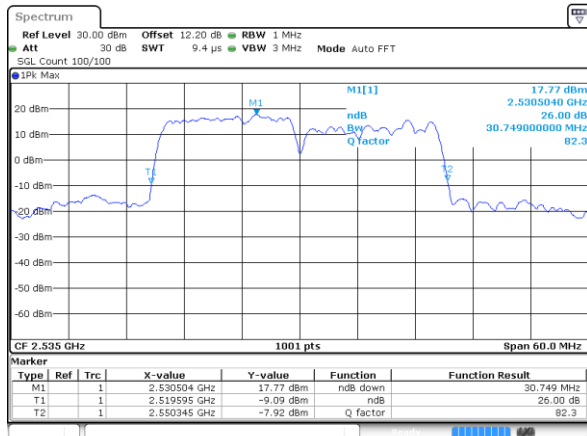
Date: 19 MAY 2020 05:56:53

Lowest Channel / 15MHz+20MHz



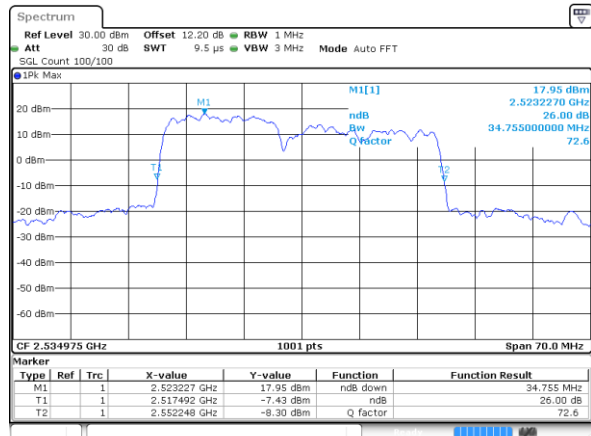
Date: 19 MAY 2020 07:04:01

Middle Channel / 15MHz+15MHz



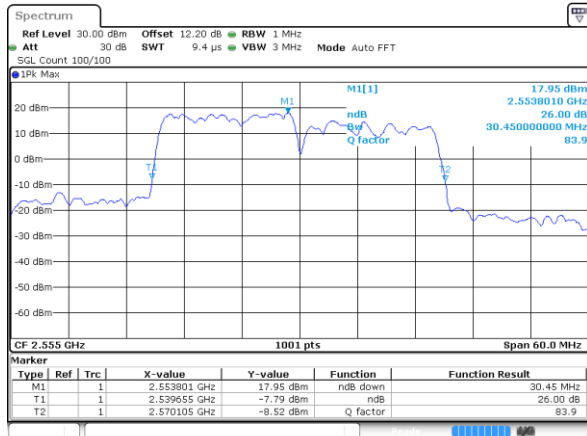
Date: 19 MAY 2020 06:25:18

Middle Channel / 15MHz+20MHz



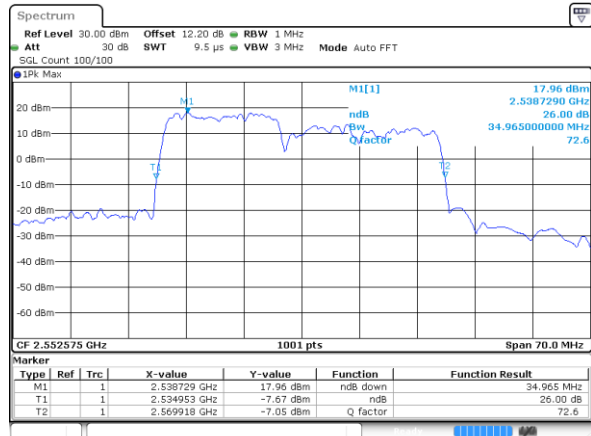
Date: 19 MAY 2020 07:26:13

Highest Channel / 15MHz+15MHz



Date: 19 MAY 2020 06:39:15

Highest Channel / 15MHz+20MHz



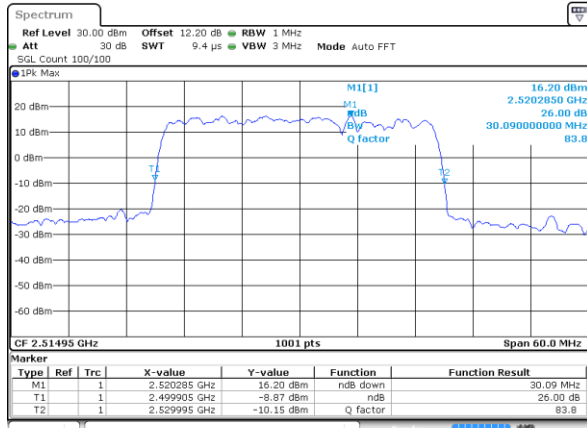
Date: 19 MAY 2020 07:38:20



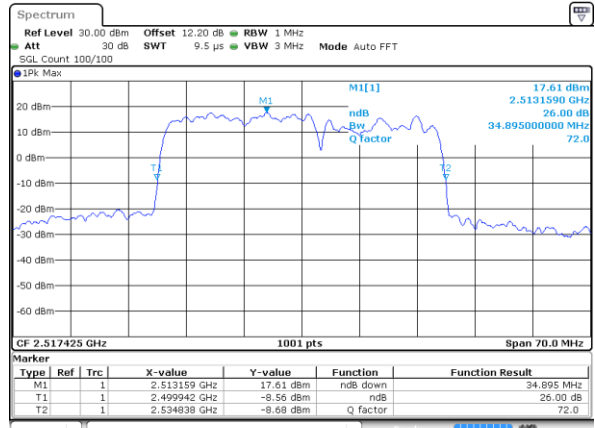
LTE Band 7C

QPSK

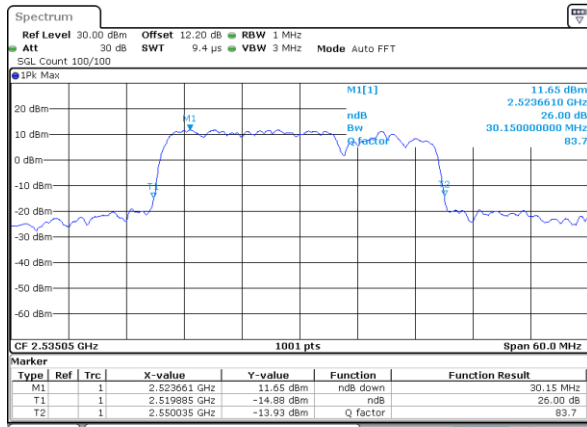
Lowest Channel / 20MHz+10MHz



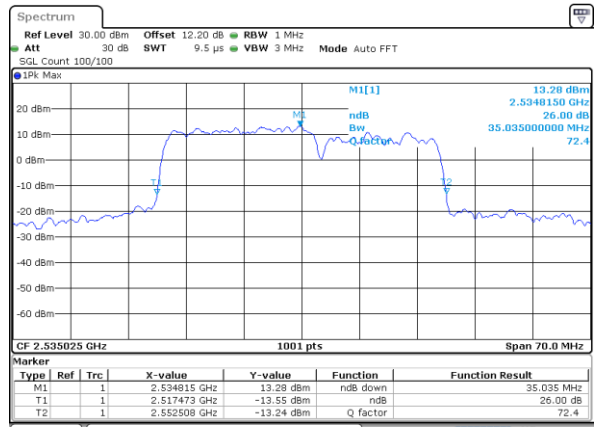
Lowest Channel / 20MHz+15MHz



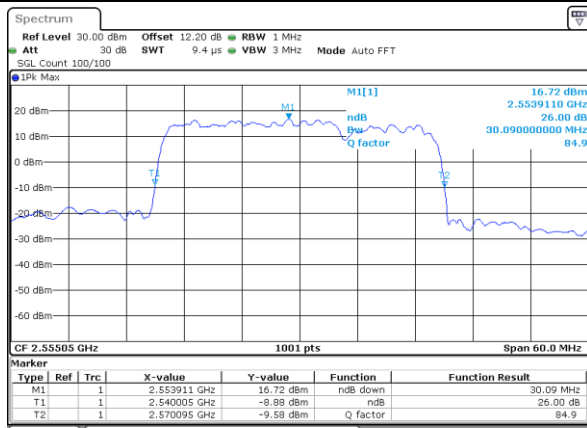
Middle Channel / 20MHz+10MHz



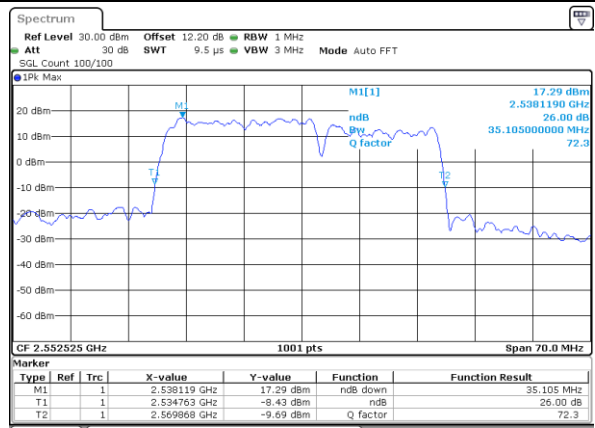
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



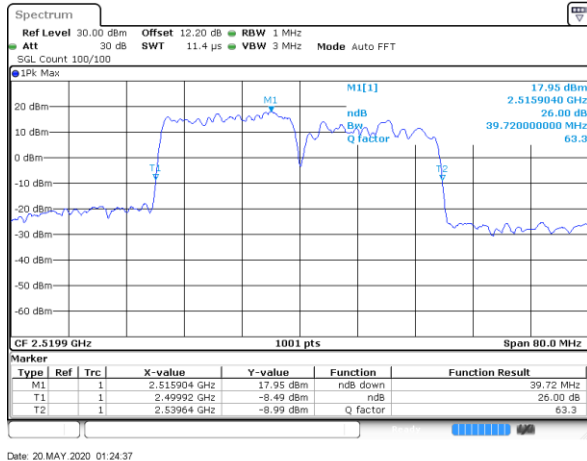


LTE Band 7C

QPSK

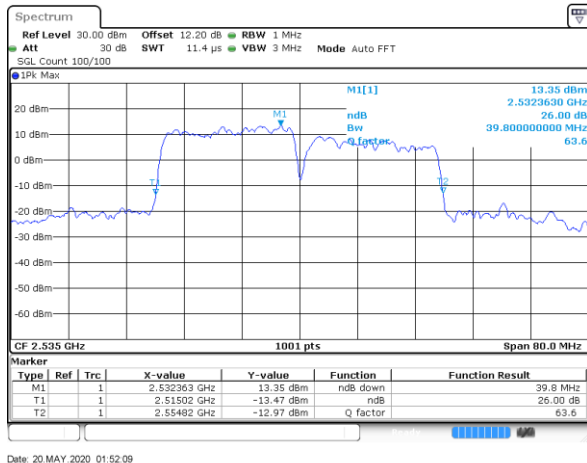
Lowest Channel / 20MHz+20MHz

N/A



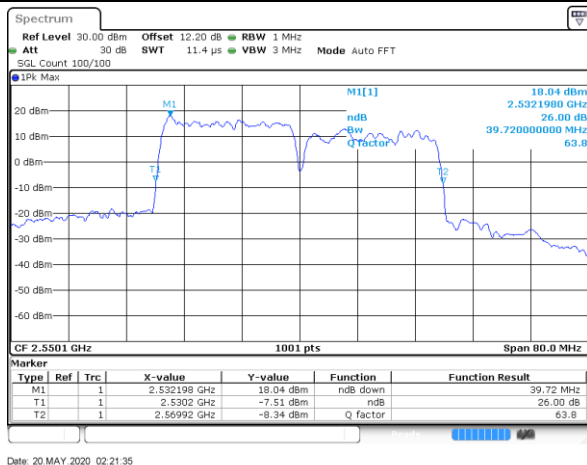
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

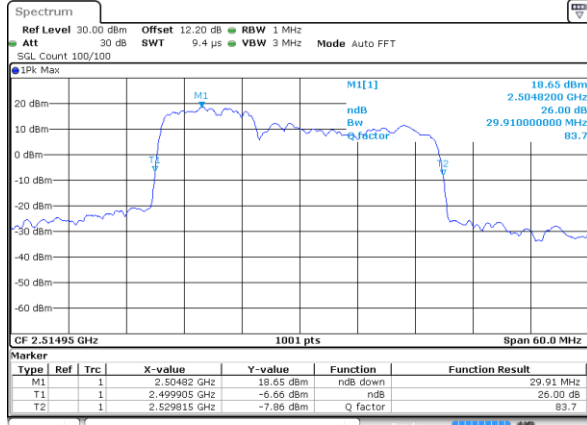




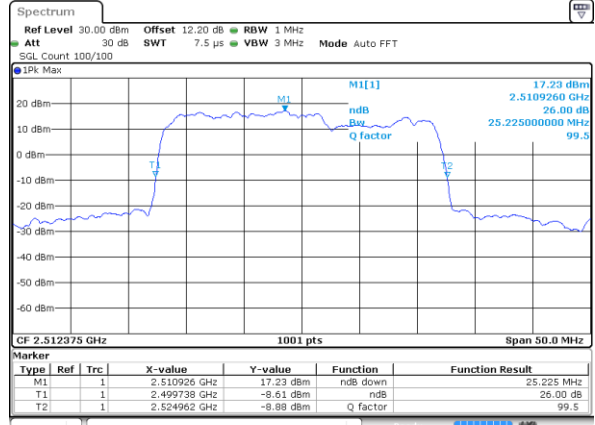
LTE Band 7C

16QAM

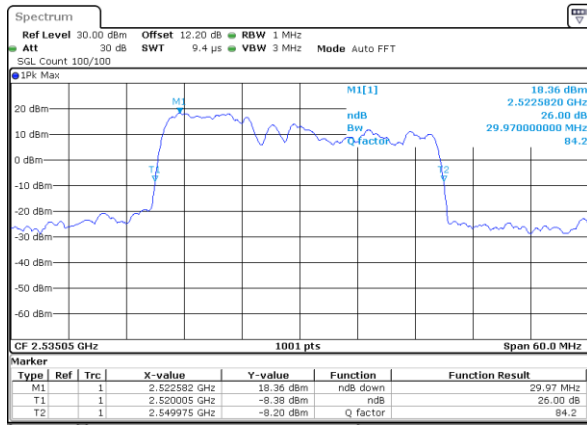
Lowest Channel / 10MHz+20MHz



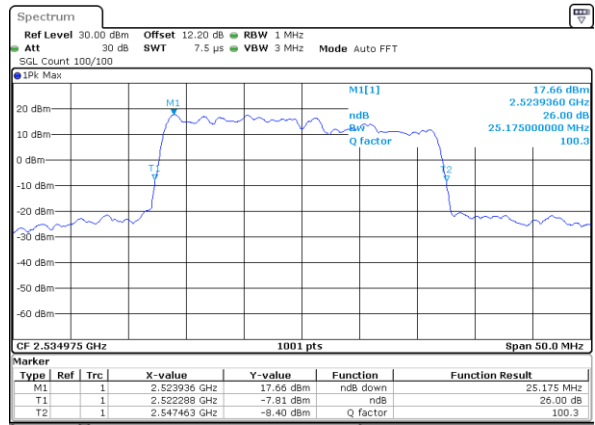
Lowest Channel / 15MHz+10MHz



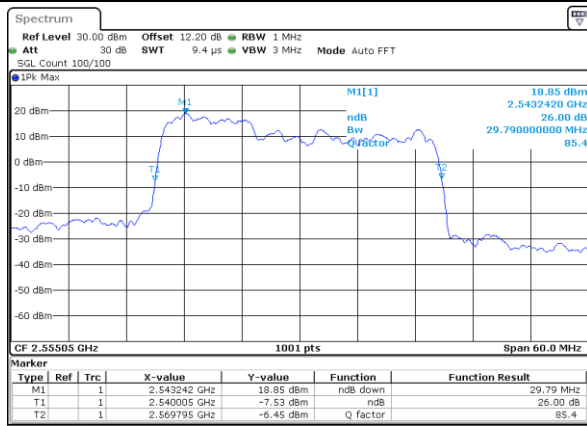
Middle Channel / 10MHz+20MHz



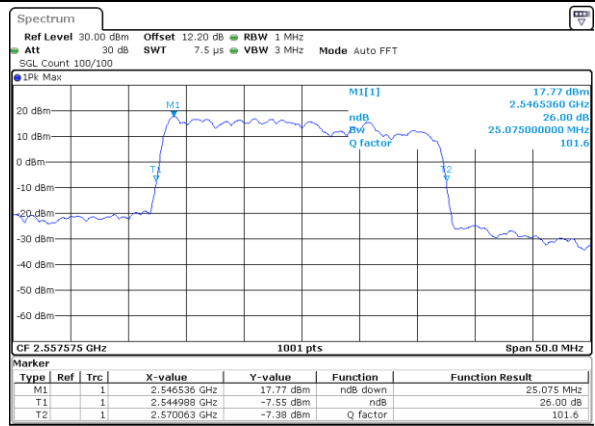
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

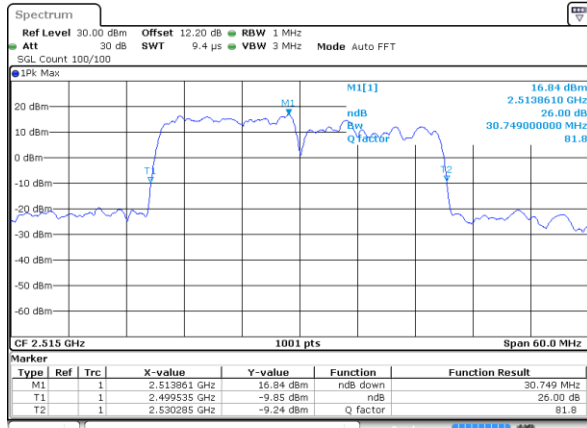




LTE Band 7C

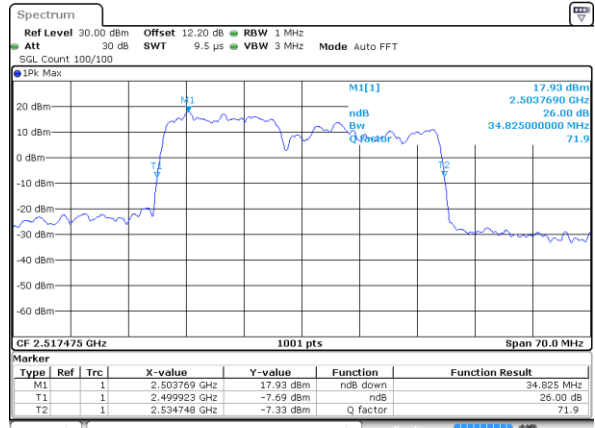
16QAM

Lowest Channel / 15MHz+15MHz



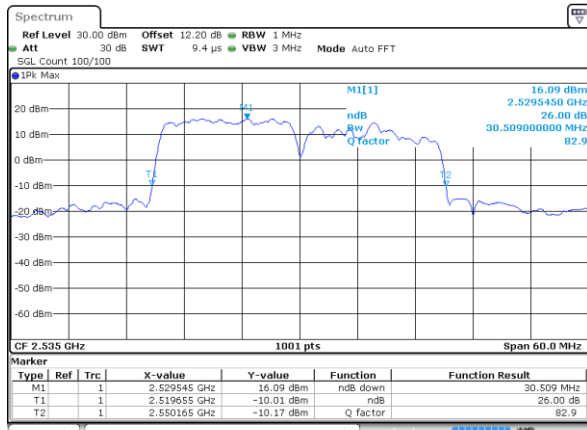
Date: 19 MAY 2020 05:56:31

Lowest Channel / 15MHz+20MHz



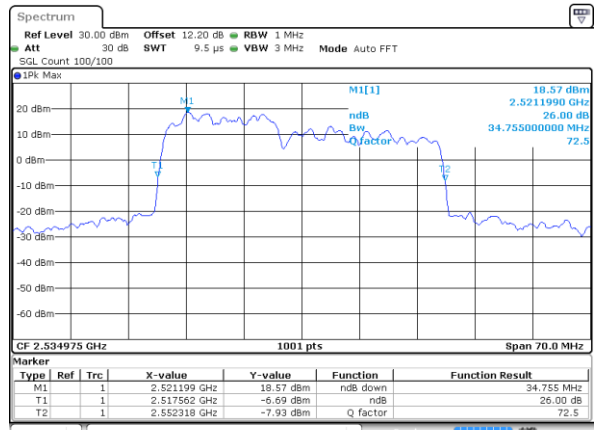
Date: 19 MAY 2020 07:03:38

Middle Channel / 15MHz+15MHz



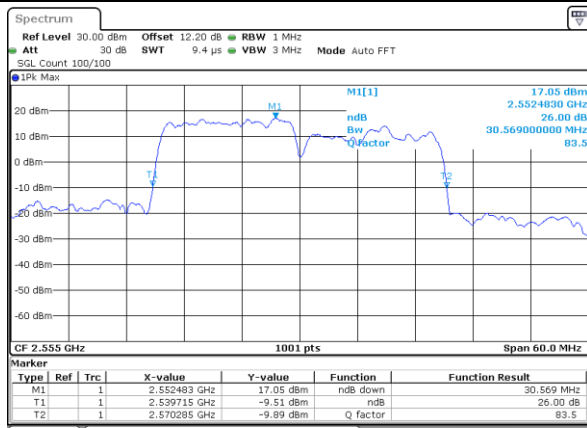
Date: 19 MAY 2020 06:24:55

Middle Channel / 15MHz+20MHz



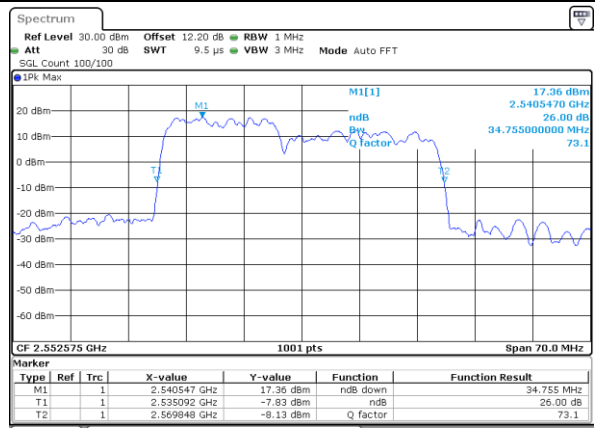
Date: 19 MAY 2020 07:25:51

Highest Channel / 15MHz+15MHz



Date: 19 MAY 2020 06:39:38

Highest Channel / 15MHz+20MHz



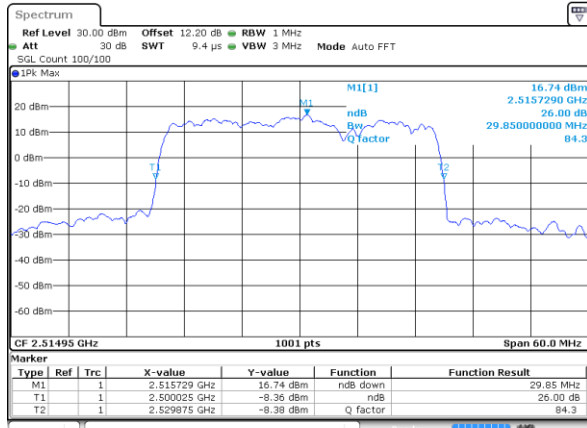
Date: 19 MAY 2020 07:38:42



LTE Band 7C

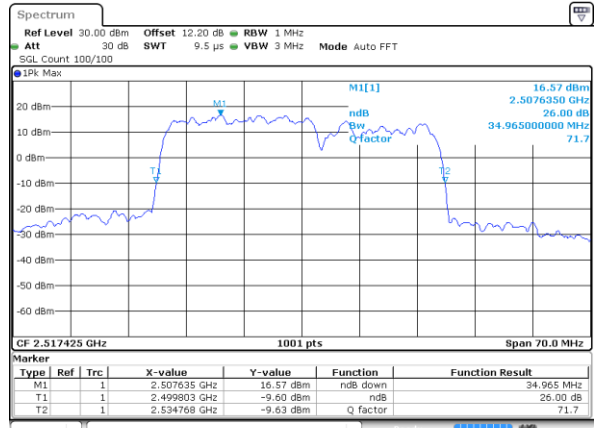
16QAM

Lowest Channel / 20MHz+10MHz



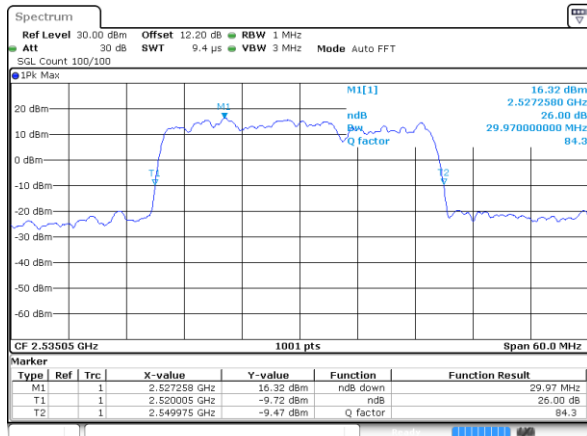
Date: 19 MAY 2020 04:50:29

Lowest Channel / 20MHz+15MHz



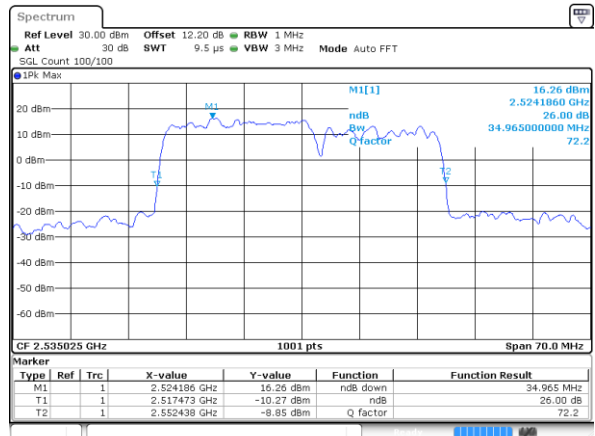
Date: 19 MAY 2020 08:02:13

Middle Channel / 20MHz+10MHz



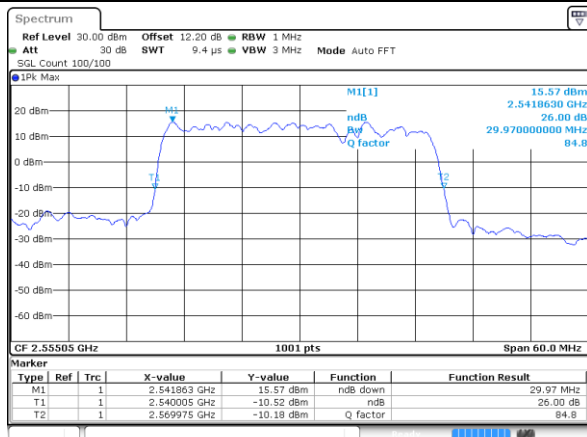
Date: 19 MAY 2020 05:11:29

Middle Channel / 20MHz+15MHz



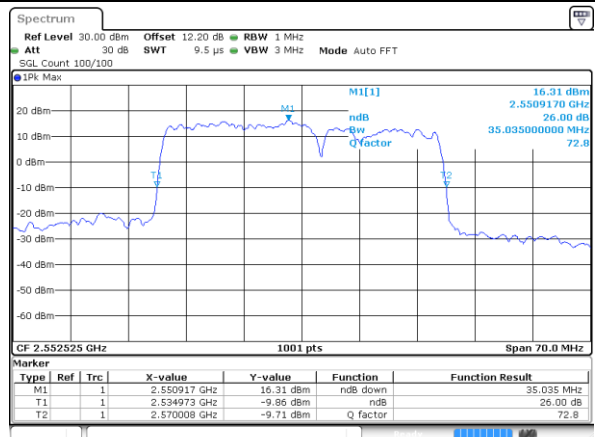
Date: 20 MAY 2020 00:36:30

Highest Channel / 20MHz+10MHz



Date: 19 MAY 2020 05:34:14

Highest Channel / 20MHz+15MHz



Date: 20 MAY 2020 00:50:56

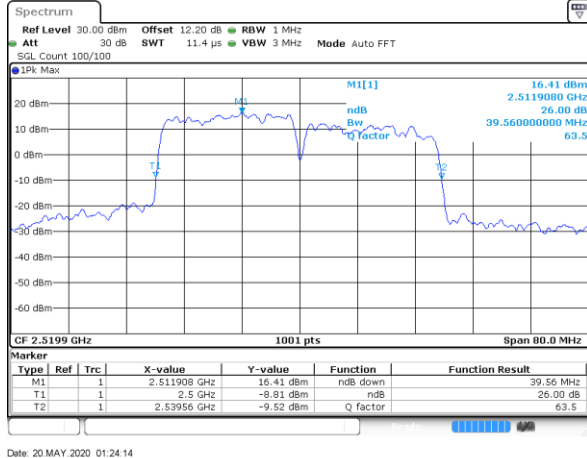


LTE Band 7C

16QAM

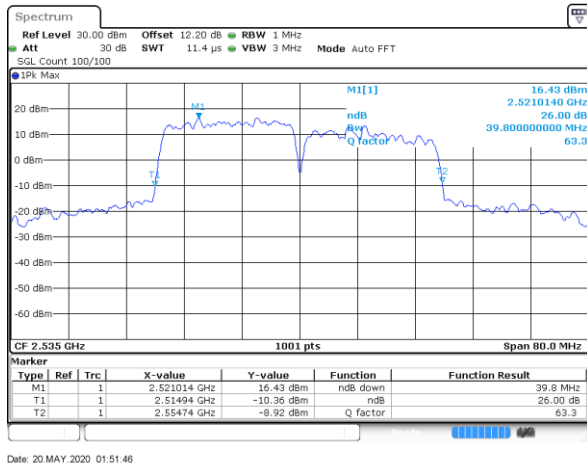
Lowest Channel / 20MHz+20MHz

N/A



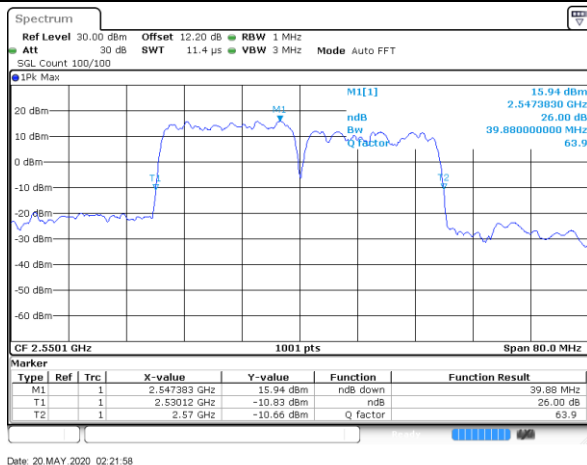
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

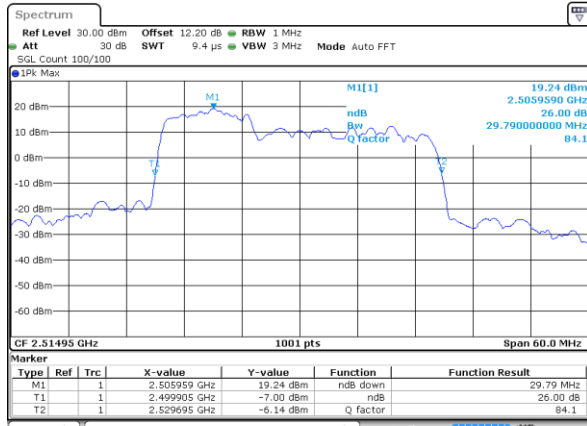




LTE Band 7C

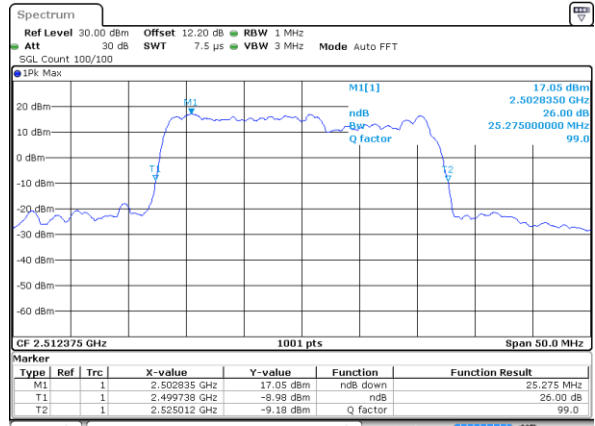
64QAM

Lowest Channel / 10MHz+20MHz



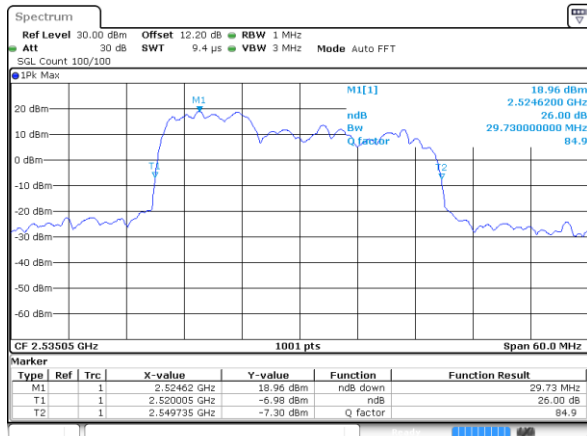
Date: 19 MAY 2020 03:51:44

Lowest Channel / 15MHz+10MHz



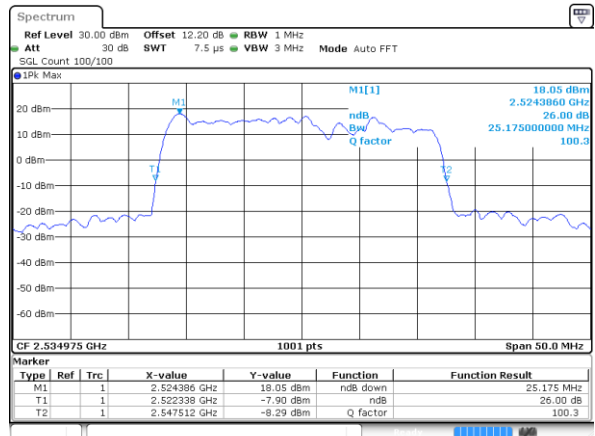
Date: 20 MAY 2020 02:48:58

Middle Channel / 10MHz+20MHz



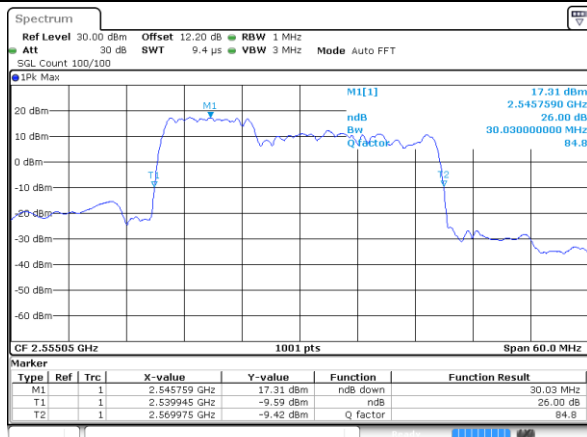
Date: 19 MAY 2020 04:13:08

Middle Channel / 15MHz+10MHz



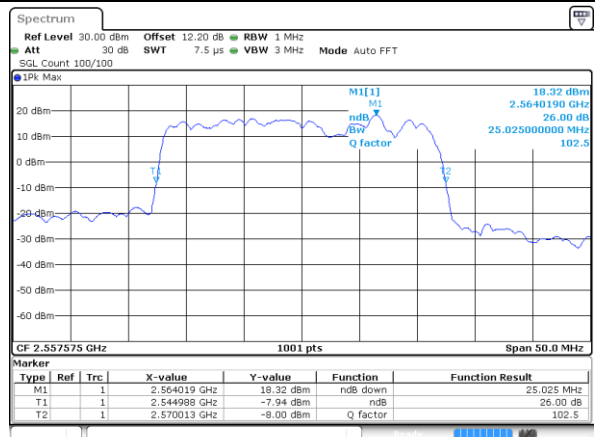
Date: 20 MAY 2020 03:11:44

Highest Channel / 10MHz+20MHz



Date: 19 MAY 2020 04:29:05

Highest Channel / 15MHz+10MHz



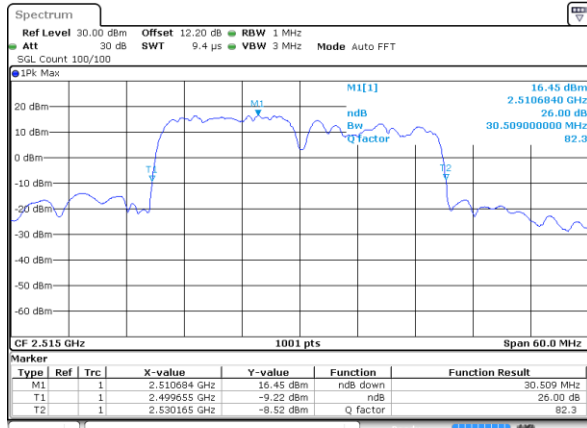
Date: 20 MAY 2020 03:30:04



LTE Band 7C

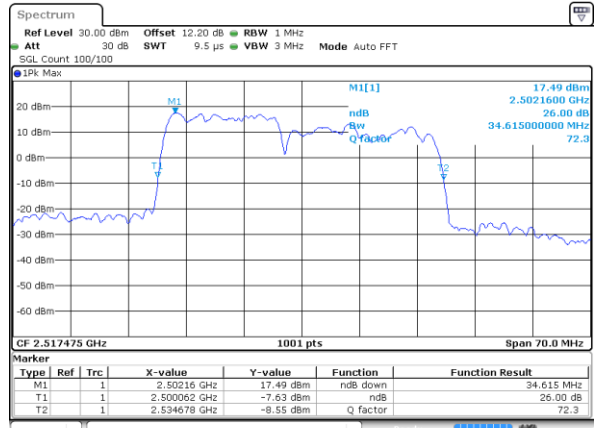
64QAM

Lowest Channel / 15MHz+15MHz



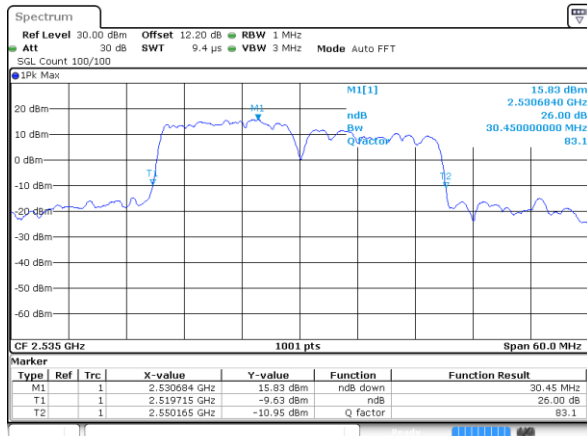
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Lowest Channel / 15MHz+20MHz



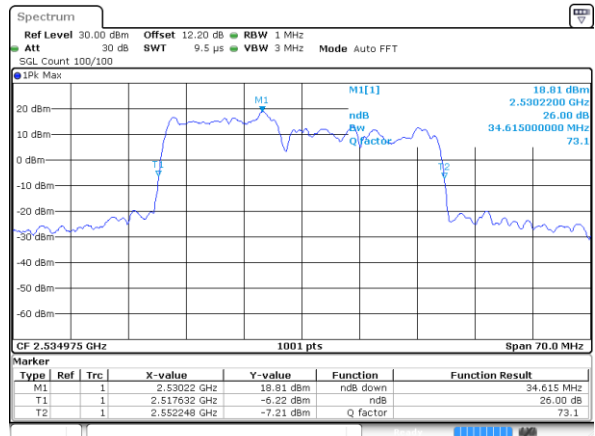
Date: 19 MAY 2020 07:03:16

Middle Channel / 15MHz+15MHz



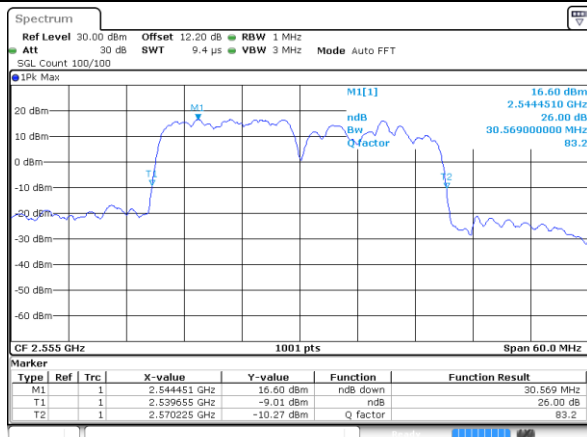
Date: 19 MAY 2020 06:24:33

Middle Channel / 15MHz+20MHz



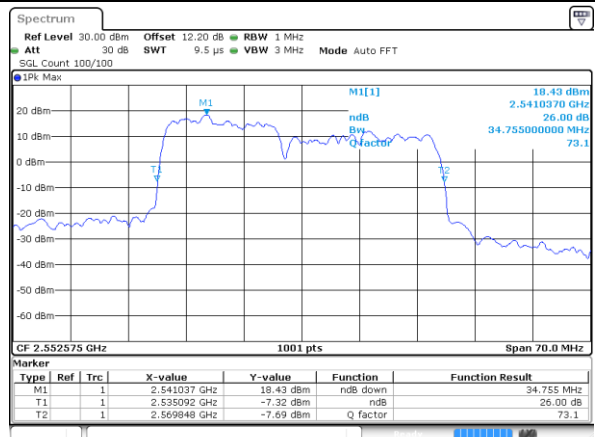
Date: 19 MAY 2020 07:25:28

Highest Channel / 15MHz+15MHz



Date: 19 MAY 2020 06:40:00

Highest Channel / 15MHz+20MHz



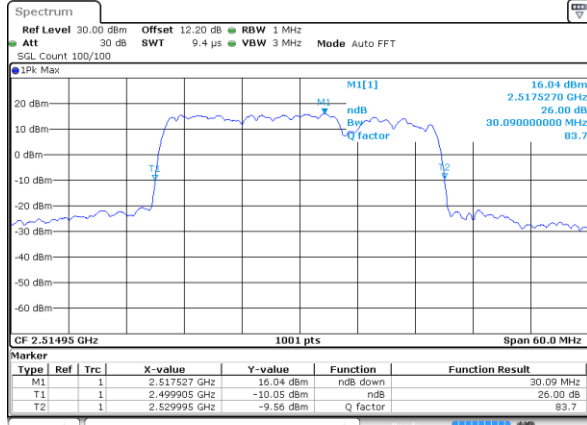
Date: 19 MAY 2020 07:39:05



LTE Band 7C

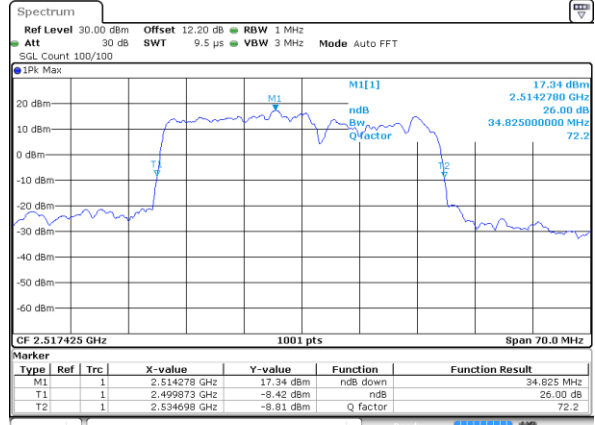
64QAM

Lowest Channel / 20MHz+10MHz



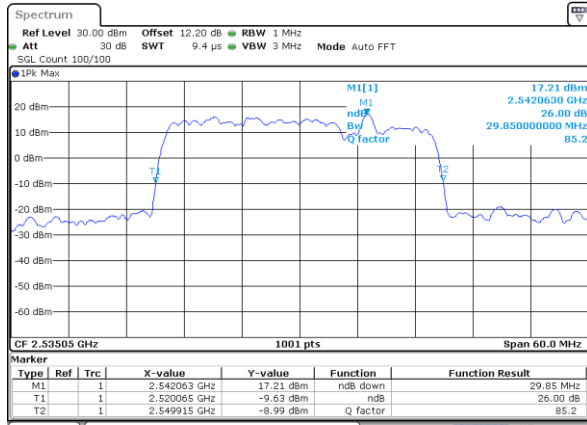
Date: 19 MAY 2020 04:50:06

Lowest Channel / 20MHz+15MHz



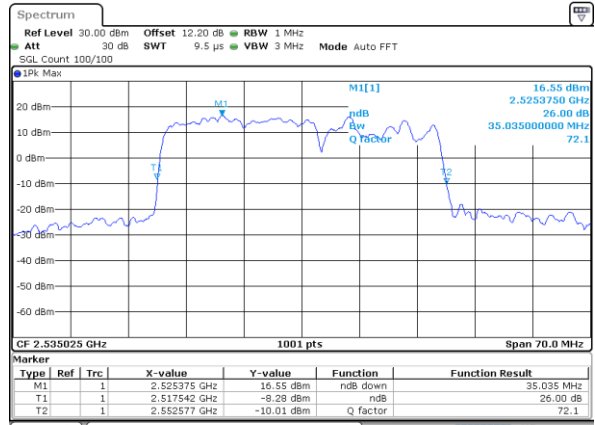
Date: 19 MAY 2020 08:01:51

Middle Channel / 20MHz+10MHz



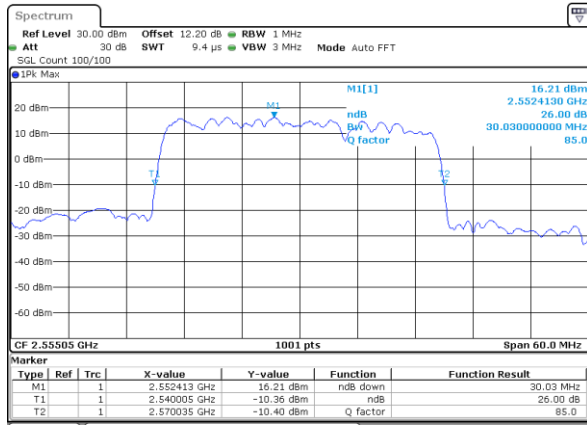
Date: 19 MAY 2020 05:11:07

Middle Channel / 20MHz+15MHz



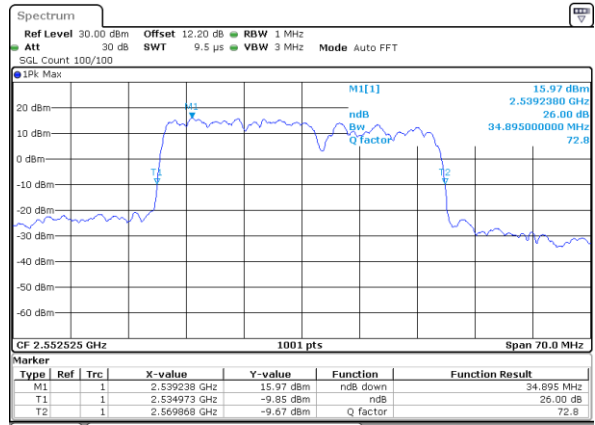
Date: 20 MAY 2020 00:36:08

Highest Channel / 20MHz+10MHz



Date: 19 MAY 2020 05:34:36

Highest Channel / 20MHz+15MHz



Date: 20 MAY 2020 00:51:18

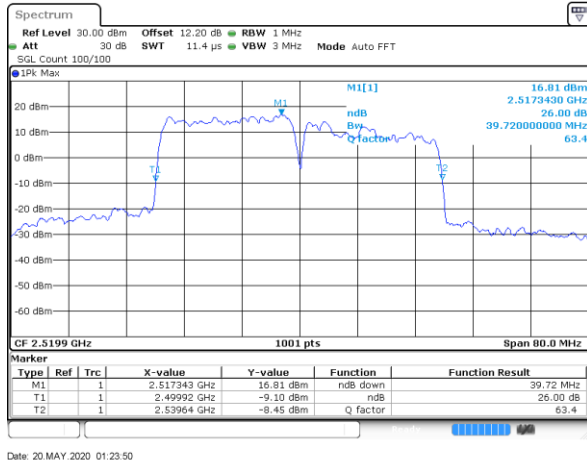


LTE Band 7C

64QAM

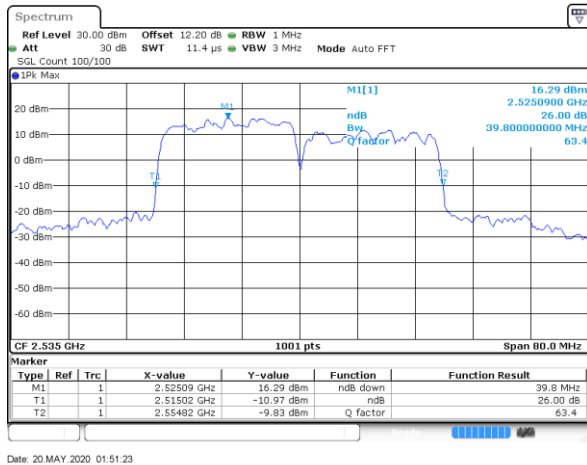
Lowest Channel / 20MHz+20MHz

N/A



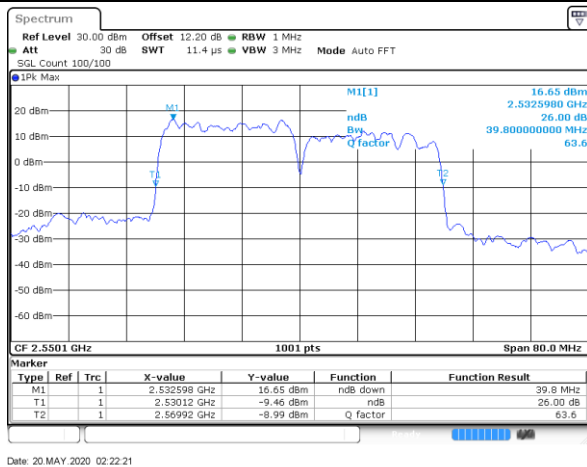
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.87	23.38	28.59	32.73
Middle CH	27.99	23.23	28.23	32.94
Highest CH	28.17	23.53	28.53	32.45
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.87	32.52	37.64	-
Middle CH	27.93	32.94	37.32	-
Highest CH	27.99	32.80	37.80	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.99	23.13	28.65	32.24
Middle CH	27.45	23.13	28.11	32.66
Highest CH	27.87	23.13	28.65	32.17
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.93	32.59	37.72	-
Middle CH	28.17	32.73	37.40	-
Highest CH	28.05	32.45	37.32	-

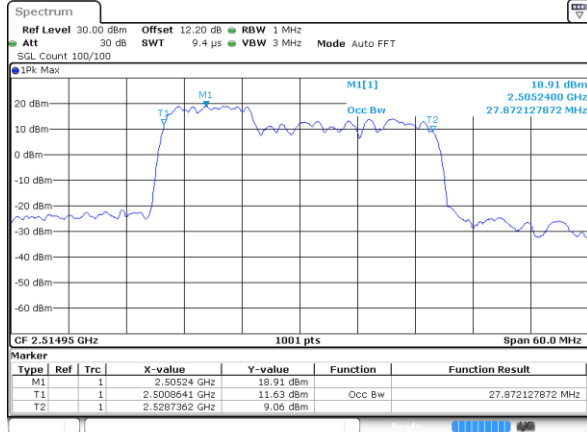
Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.81	23.33	28.29	32.59
Middle CH	27.75	23.08	28.47	32.66
Highest CH	27.93	23.23	28.41	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.87	32.73	37.32	-
Middle CH	27.99	32.87	37.24	-
Highest CH	28.17	32.59	37.40	-



LTE Band 7C

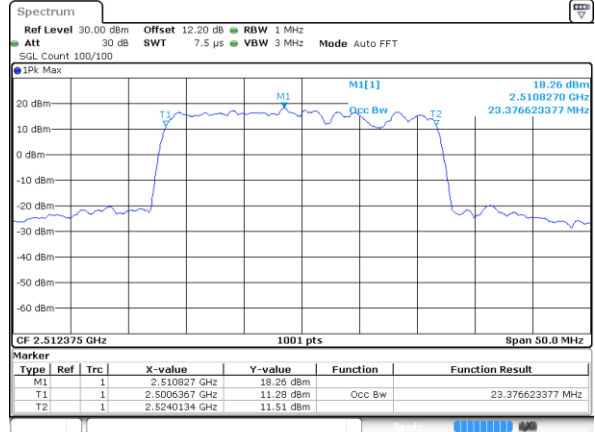
QPSK

Lowest Channel / 10MHz+20MHz



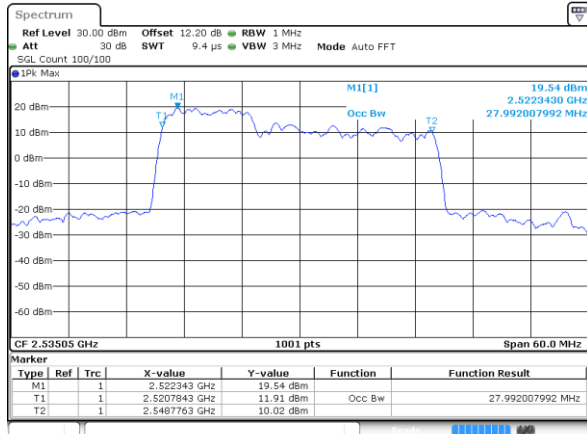
Date: 19 MAY 2020 03:50:36

Lowest Channel / 15MHz+10MHz



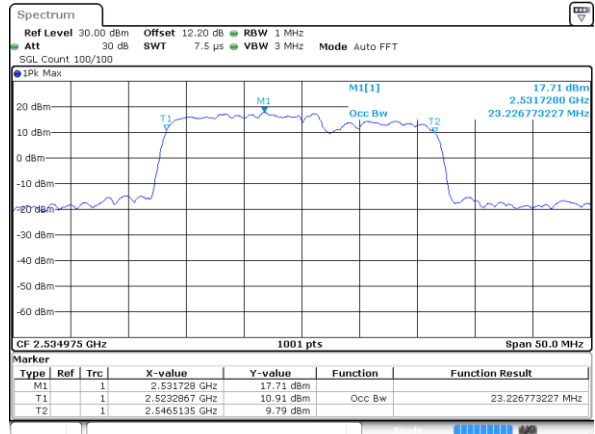
Date: 20 MAY 2020 02:48:50

Middle Channel / 10MHz+20MHz



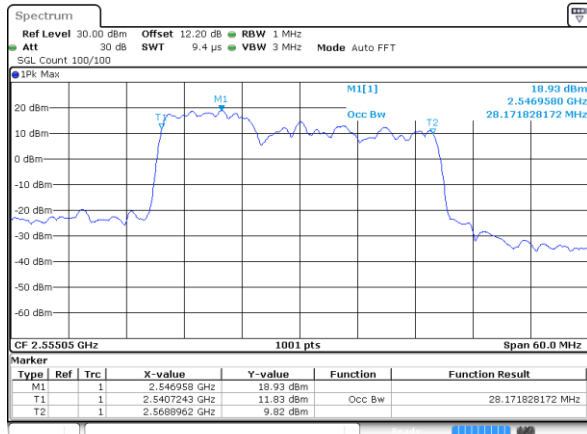
Date: 19 MAY 2020 04:12:00

Middle Channel / 15MHz+10MHz



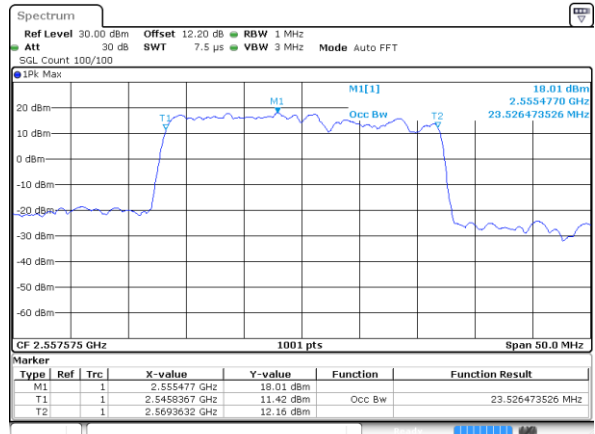
Date: 20 MAY 2020 03:26:43

Highest Channel / 10MHz+20MHz



Date: 19 MAY 2020 04:27:58

Highest Channel / 15MHz+10MHz



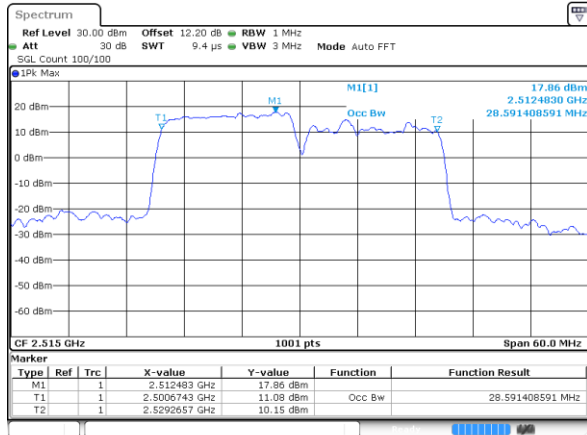
Date: 20 MAY 2020 03:28:56



LTE Band 7C

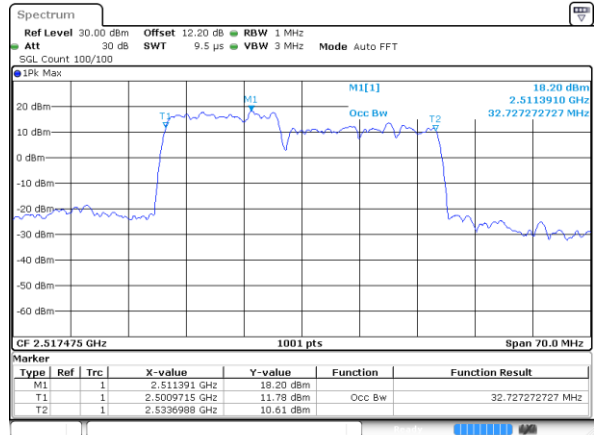
QPSK

Lowest Channel / 15MHz+15MHz



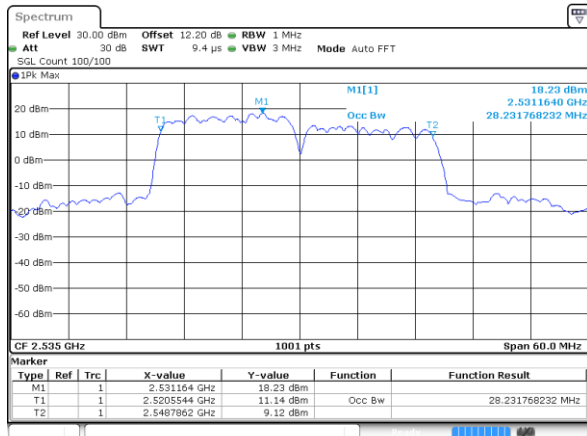
Date: 19 MAY 2020 05:55:01

Lowest Channel / 15MHz+20MHz



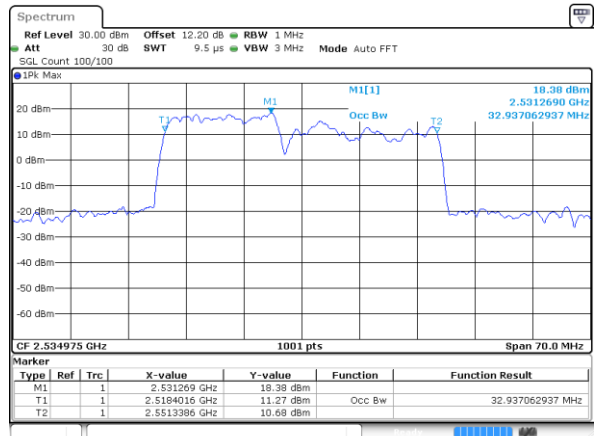
Date: 19 MAY 2020 07:02:09

Middle Channel / 15MHz+15MHz



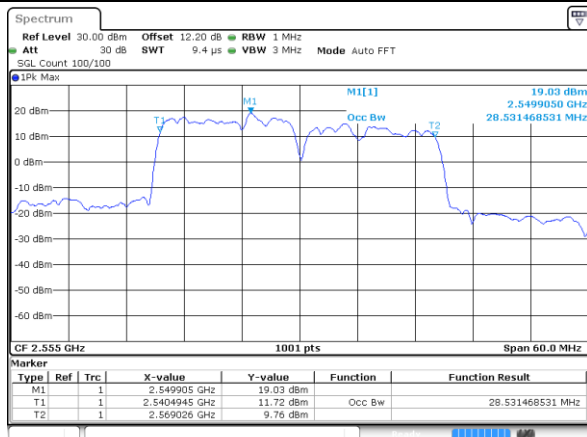
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Middle Channel / 15MHz+20MHz



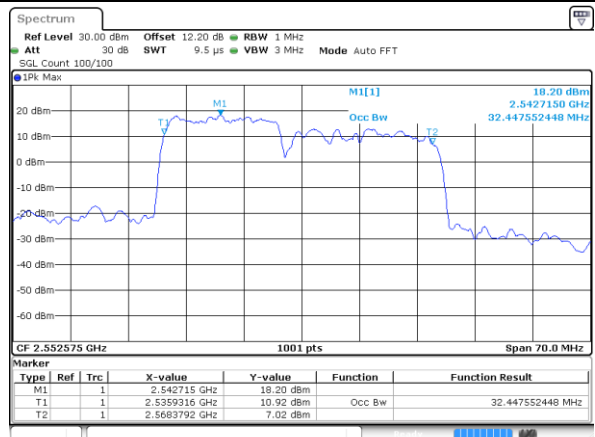
Date: 19 MAY 2020 07:24:21

Highest Channel / 15MHz+15MHz



Date: 19 MAY 2020 06:38:53

Highest Channel / 15MHz+20MHz



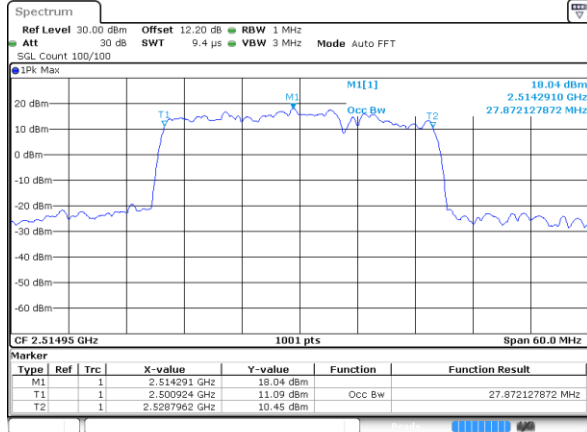
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LTE Band 7C

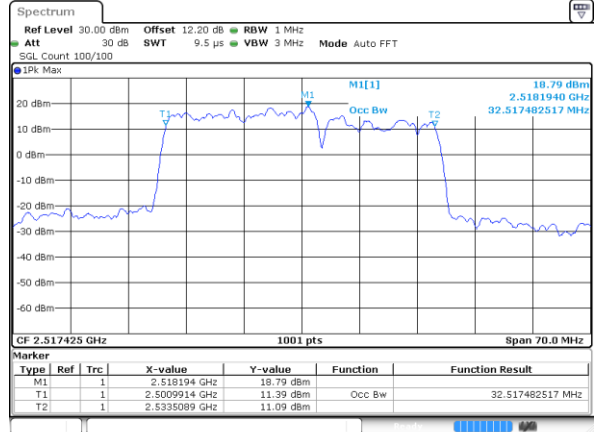
QPSK

Lowest Channel / 20MHz+10MHz



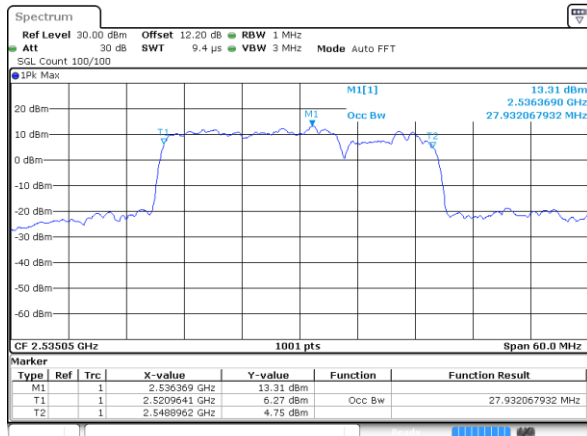
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Lowest Channel / 20MHz+15MHz



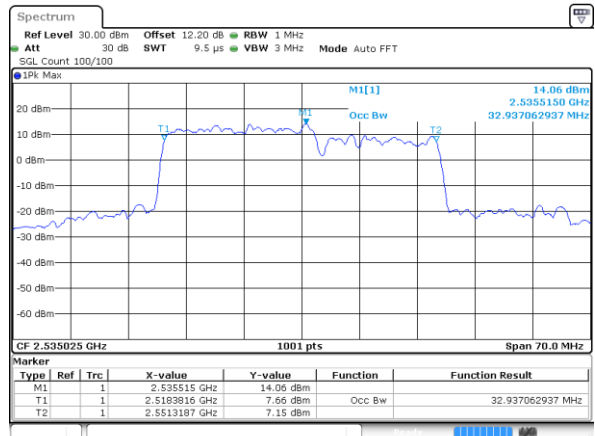
Date: 19 MAY 2020 08:00:43

Middle Channel / 20MHz+10MHz



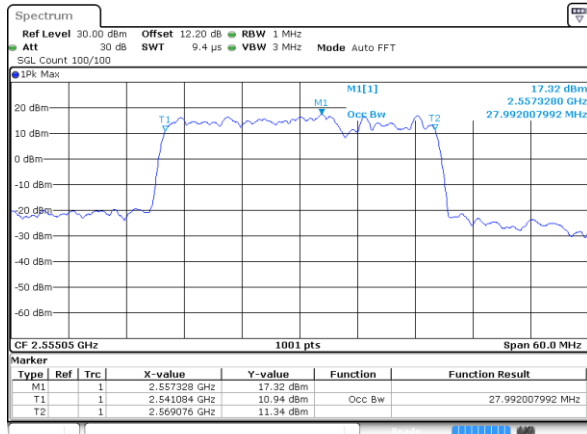
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Middle Channel / 20MHz+15MHz



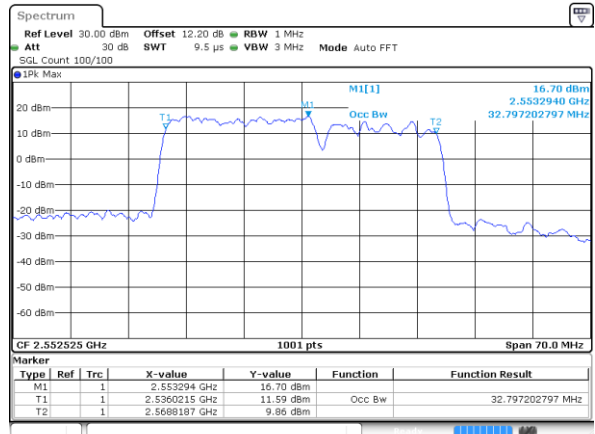
Date: 20 MAY 2020 00:34:58

Highest Channel / 20MHz+10MHz



Date: 19 MAY 2020 05:33:29

Highest Channel / 20MHz+15MHz



Date: 20 MAY 2020 00:50:11

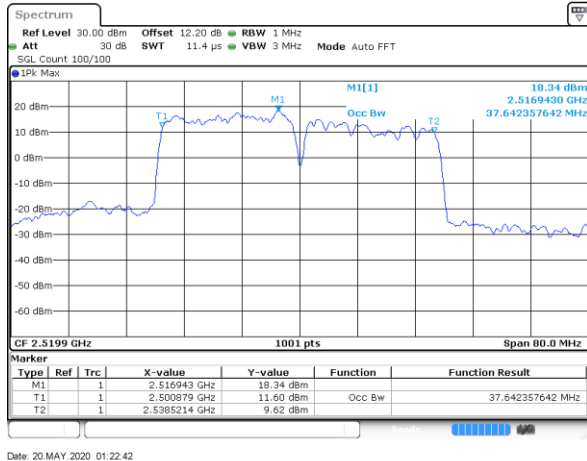


LTE Band 7C

QPSK

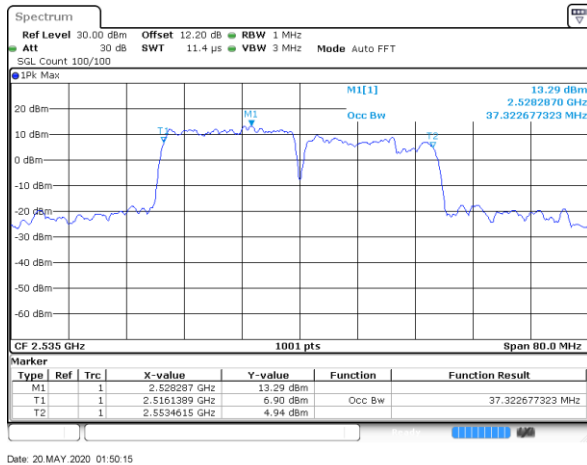
Lowest Channel / 20MHz+20MHz

N/A



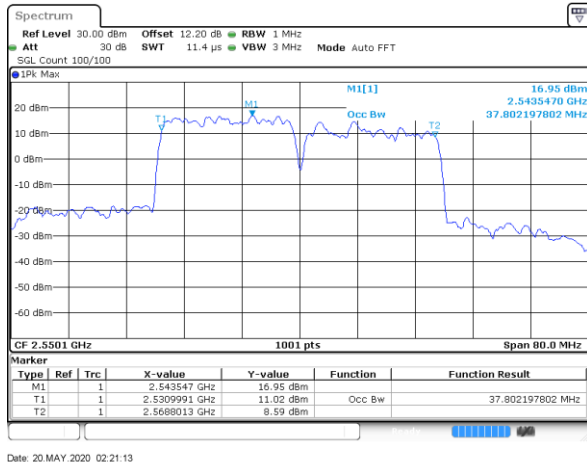
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

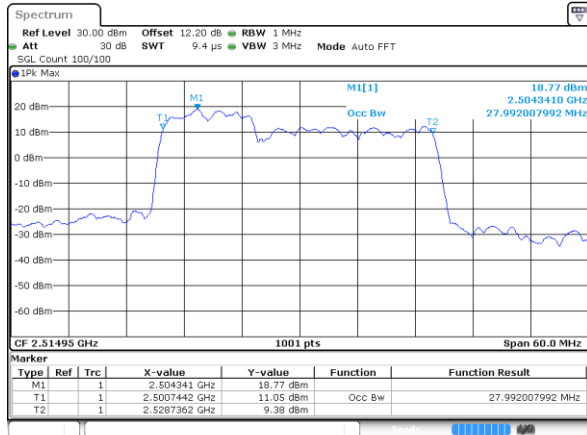




LTE Band 7C

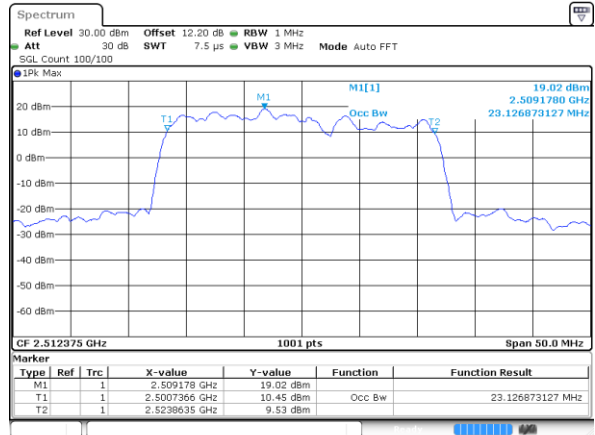
16QAM

Lowest Channel / 10MHz+20MHz



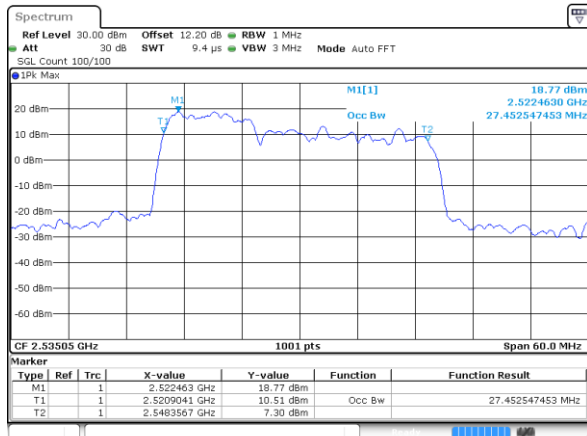
Date: 19 MAY 2020 03:50:59

Lowest Channel / 15MHz+10MHz



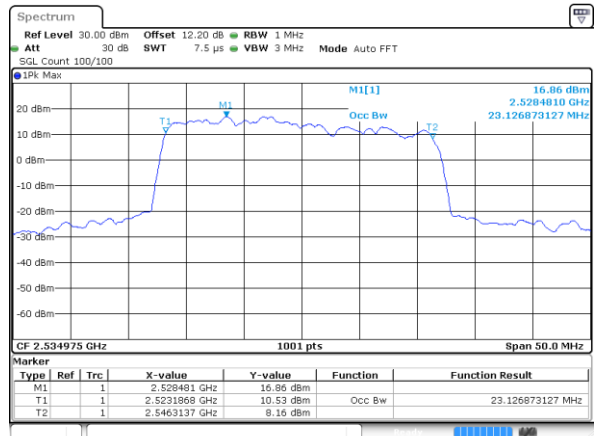
Date: 20 MAY 2020 02:48:13

Middle Channel / 10MHz+20MHz



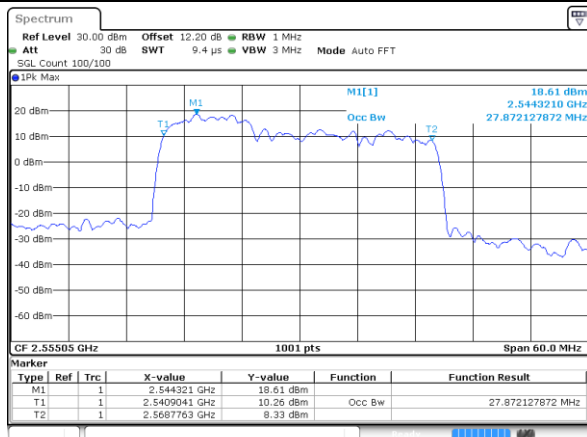
Date: 19 MAY 2020 04:12:23

Middle Channel / 15MHz+10MHz



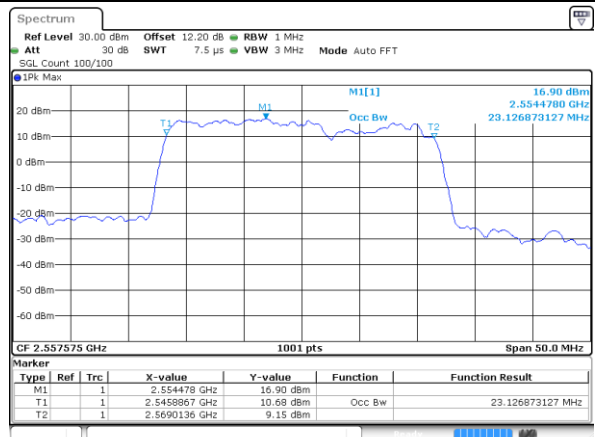
Date: 20 MAY 2020 03:10:59

Highest Channel / 10MHz+20MHz



Date: 19 MAY 2020 04:27:36

Highest Channel / 15MHz+10MHz



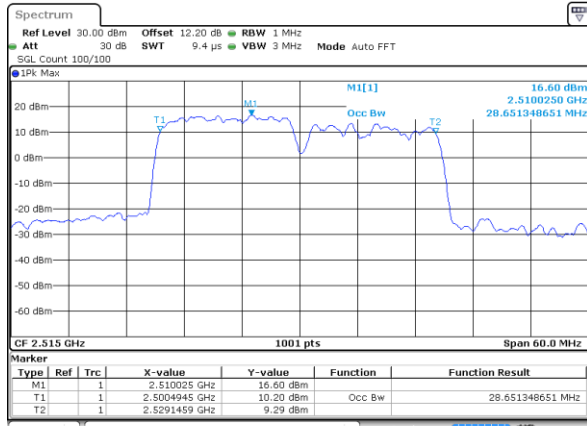
Date: 20 MAY 2020 03:28:33



LTE Band 7C

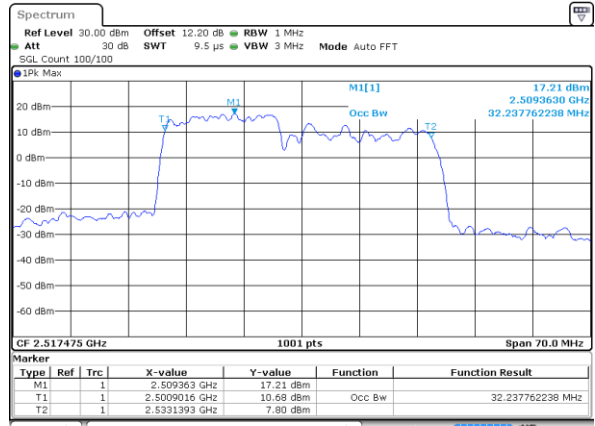
16QAM

Lowest Channel / 15MHz+15MHz



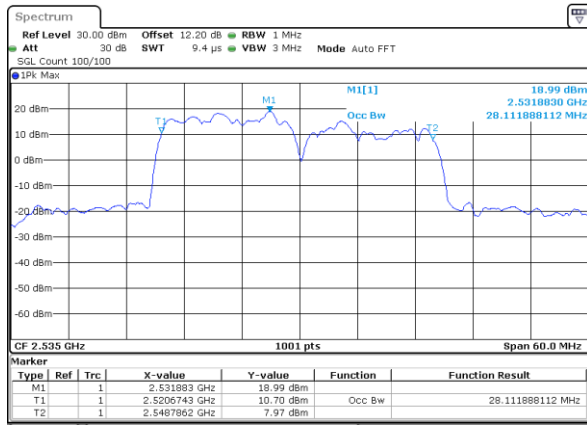
Date: 19 MAY 2020 05:55:24

Lowest Channel / 15MHz+20MHz



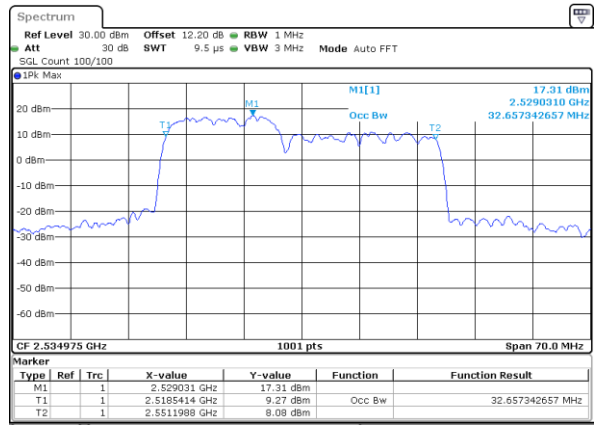
Date: 19 MAY 2020 07:02:31

Middle Channel / 15MHz+15MHz



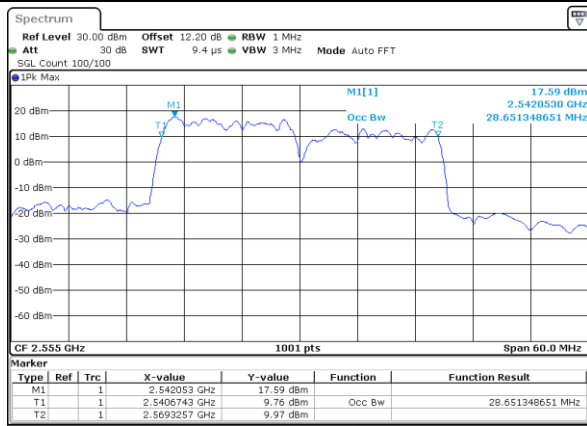
Date: 19 MAY 2020 06:23:48

Middle Channel / 15MHz+20MHz



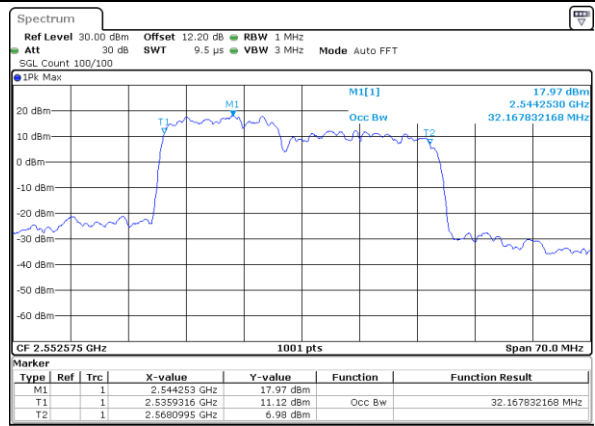
Date: 19 MAY 2020 07:24:44

Highest Channel / 15MHz+15MHz



Date: 19 MAY 2020 06:38:30

Highest Channel / 15MHz+20MHz



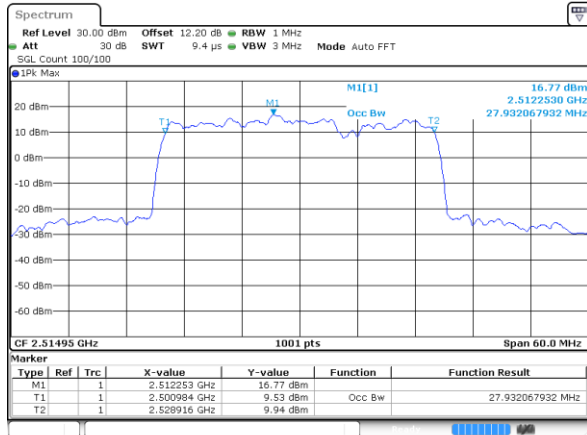
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LTE Band 7C

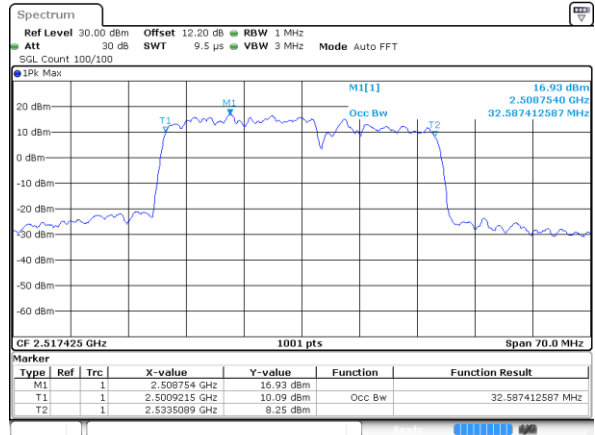
16QAM

Lowest Channel / 20MHz+10MHz



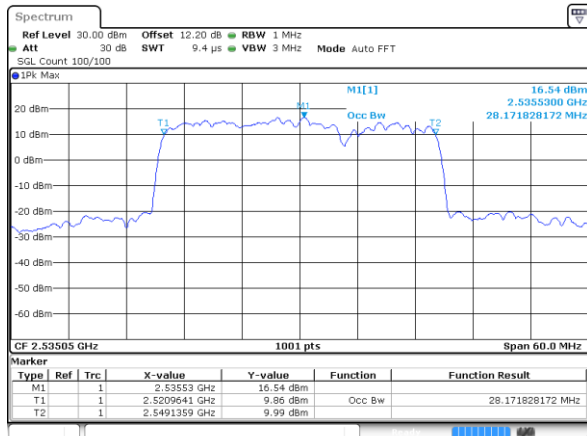
Date: 19 MAY 2020 04:49:22

Lowest Channel / 20MHz+15MHz



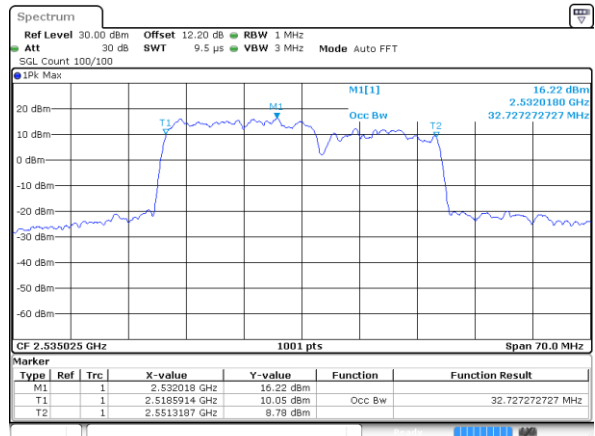
Date: 19 MAY 2020 08:01:06

Middle Channel / 20MHz+10MHz



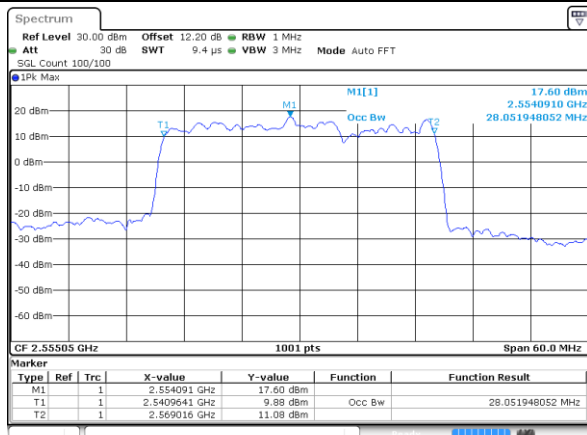
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Middle Channel / 20MHz+15MHz



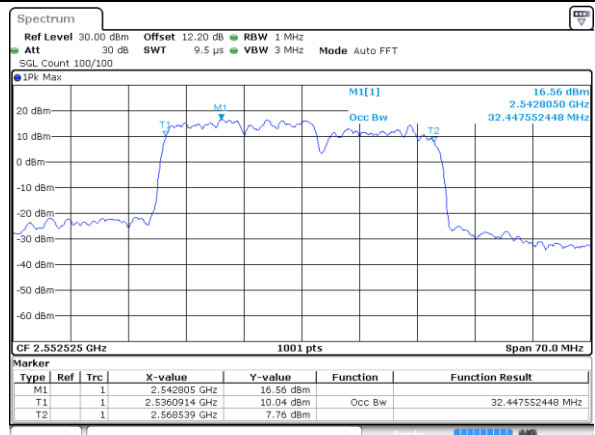
Date: 20 MAY 2020 00:35:22

Highest Channel / 20MHz+10MHz



Date: 19 MAY 2020 05:33:06

Highest Channel / 20MHz+15MHz



Date: 20 MAY 2020 00:49:48

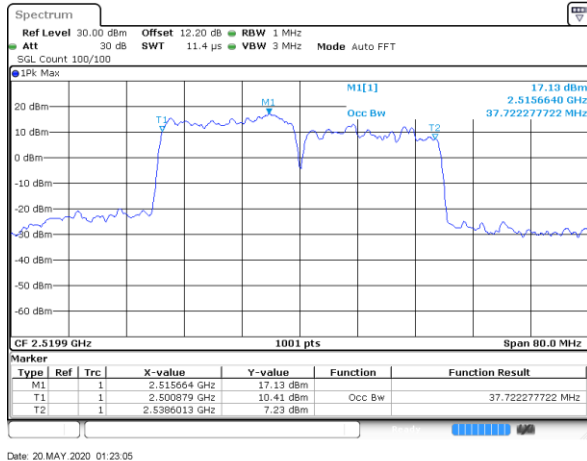


LTE Band 7C

16QAM

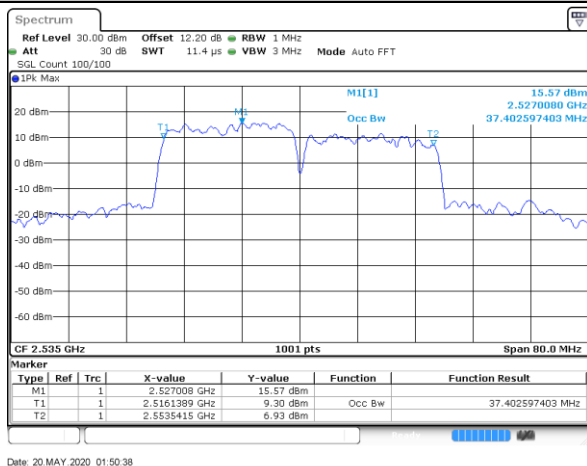
Lowest Channel / 20MHz+20MHz

N/A



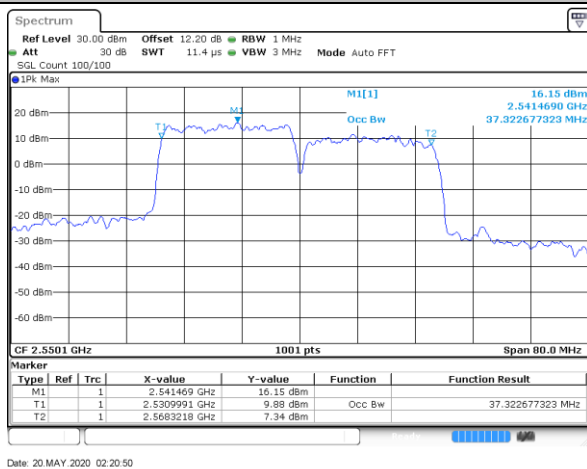
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

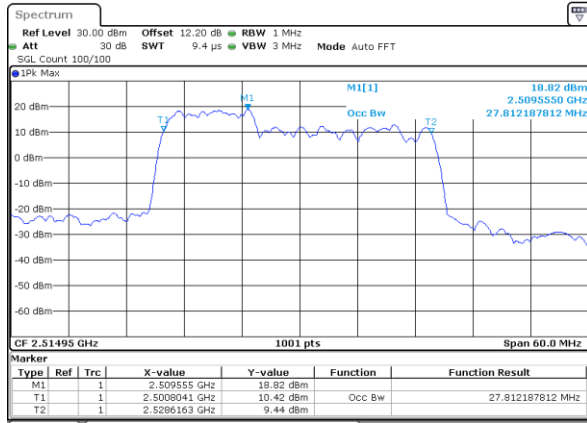




LTE Band 7C

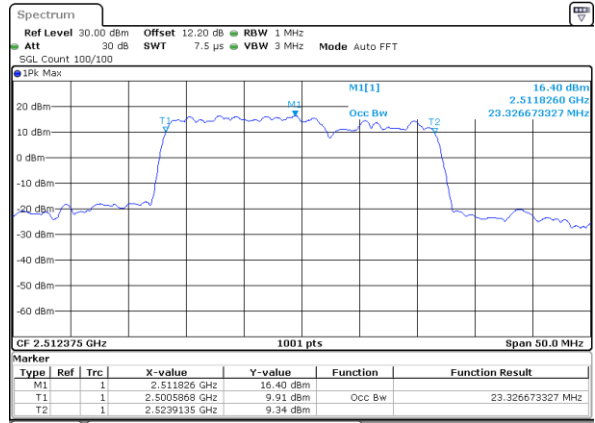
64QAM

Lowest Channel / 10MHz+20MHz



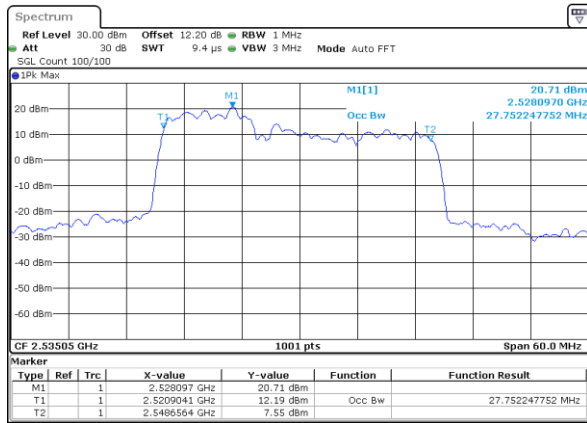
Date: 19 MAY 2020 03:51:22

Lowest Channel / 15MHz+10MHz



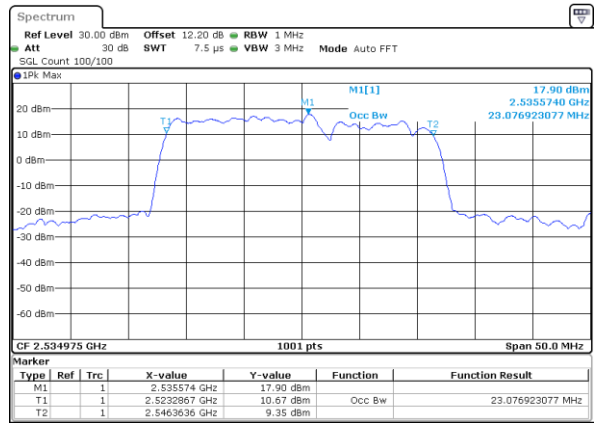
Date: 20 MAY 2020 02:48:36

Middle Channel / 10MHz+20MHz



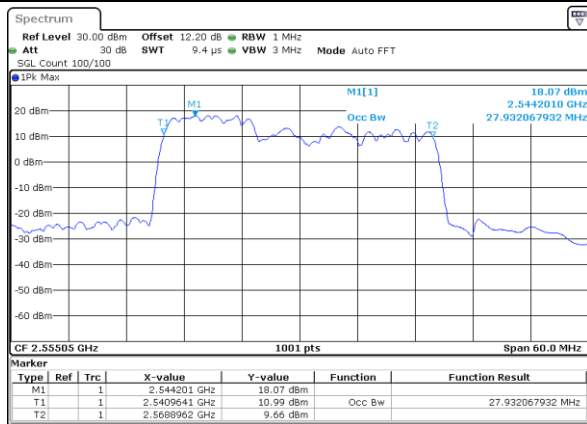
Date: 19 MAY 2020 04:12:46

Middle Channel / 15MHz+10MHz



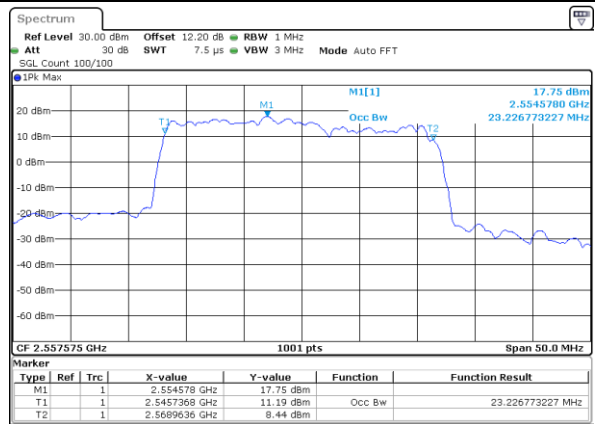
Date: 20 MAY 2020 03:11:22

Highest Channel / 10MHz+20MHz



Date: 19 MAY 2020 04:27:13

Highest Channel / 15MHz+10MHz



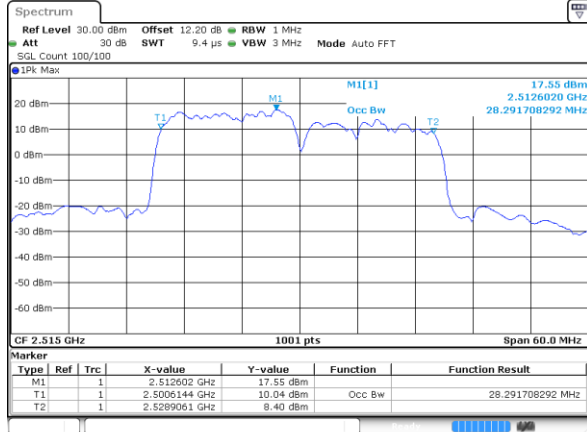
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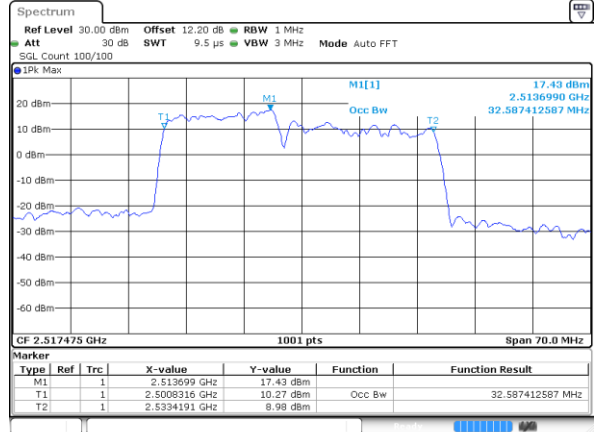
LTE Band 7C

64QAM

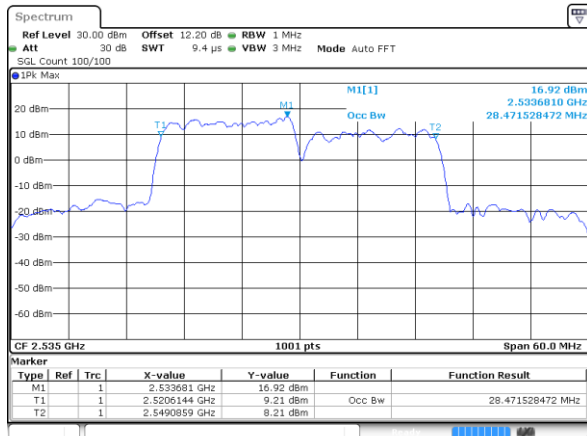
Lowest Channel / 15MHz+15MHz



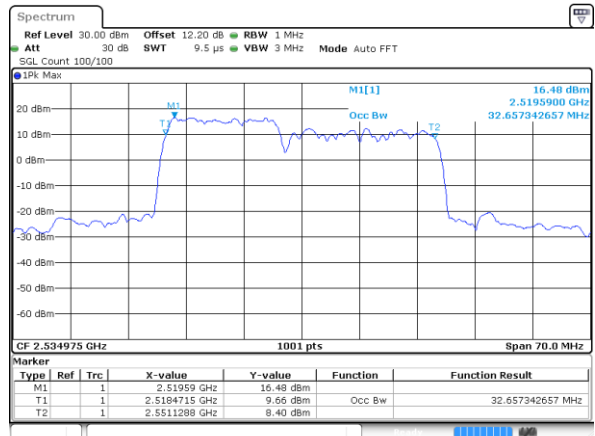
Lowest Channel / 15MHz+20MHz



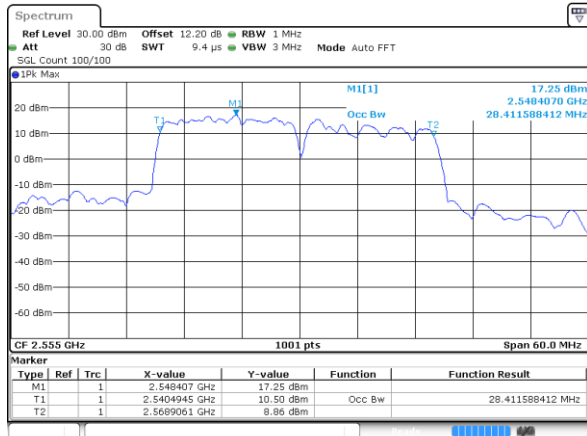
Middle Channel / 15MHz+15MHz



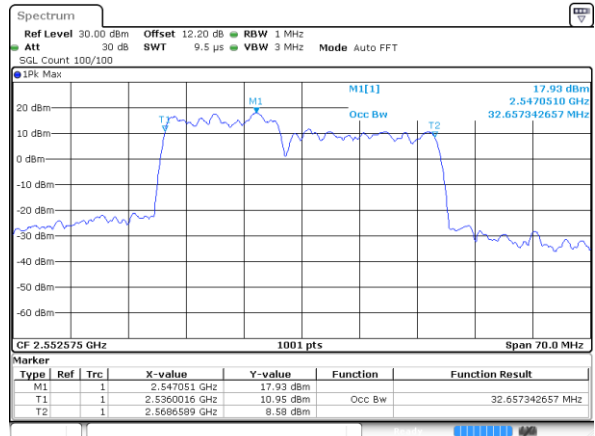
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

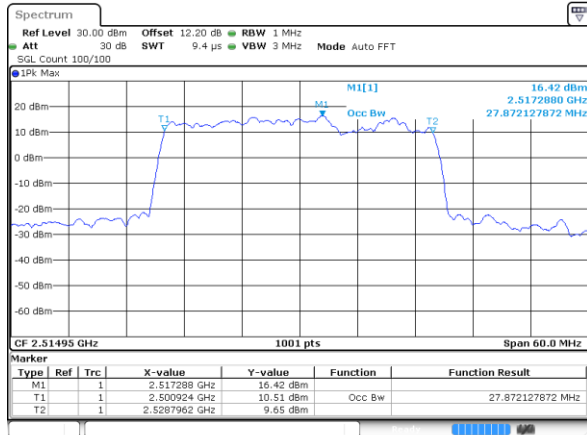




LTE Band 7C

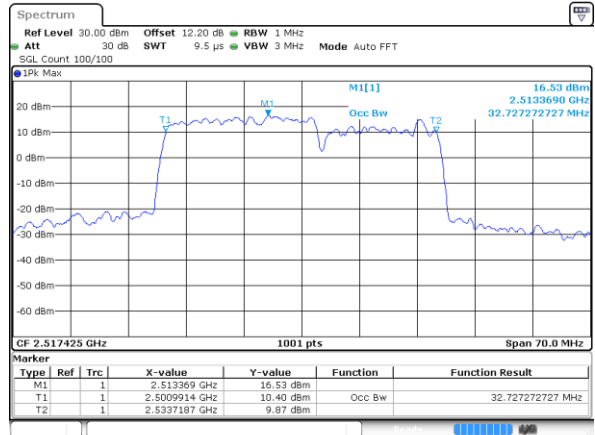
64QAM

Lowest Channel / 20MHz+10MHz



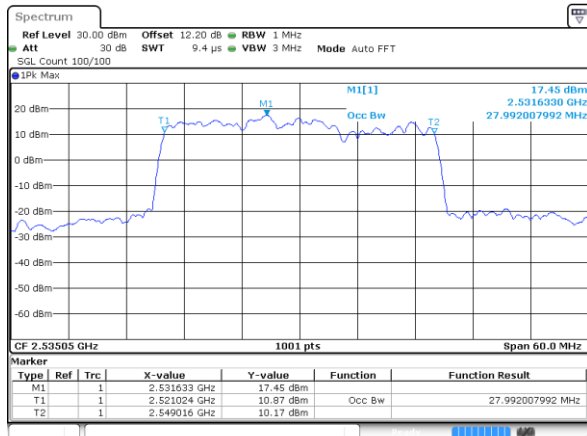
Date: 19 MAY 2020 04:49:44

Lowest Channel / 20MHz+15MHz



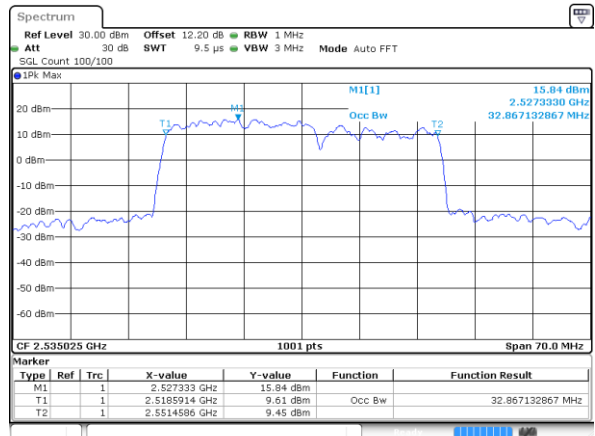
Date: 19 MAY 2020 08:01:29

Middle Channel / 20MHz+10MHz



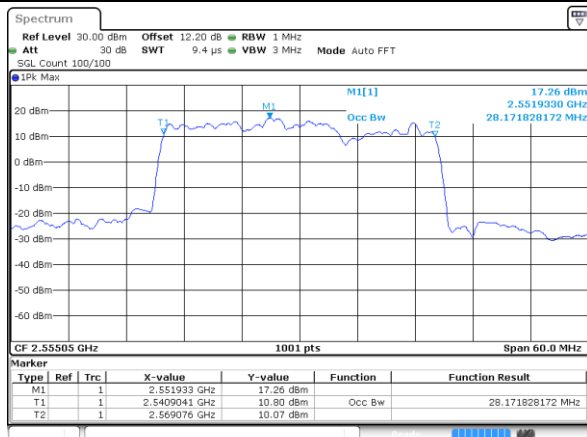
Date: 19 MAY 2020 05:10:44

Middle Channel / 20MHz+15MHz



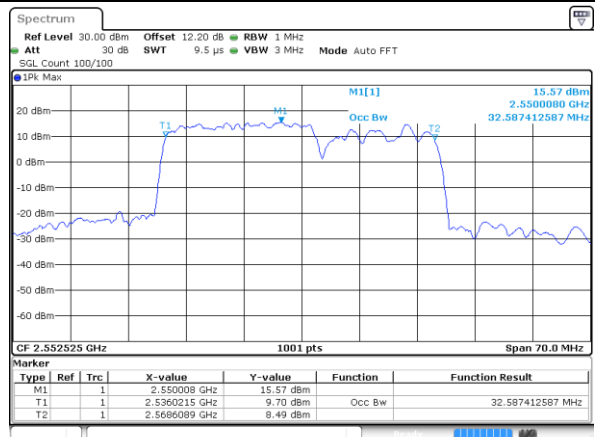
Date: 20 MAY 2020 01:17:55

Highest Channel / 20MHz+10MHz



Date: 19 MAY 2020 05:32:44

Highest Channel / 20MHz+15MHz



Date: 20 MAY 2020 00:49:25

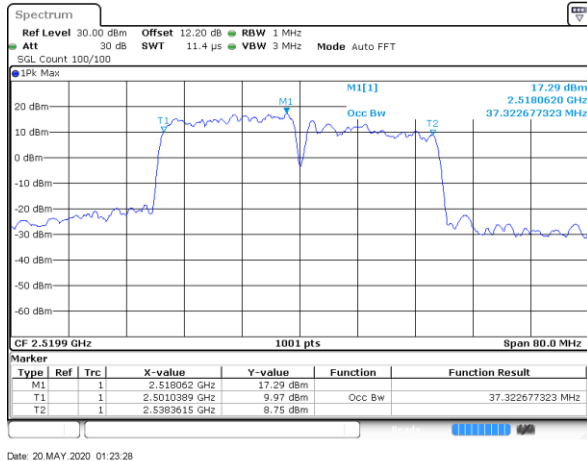


LTE Band 7C

64QAM

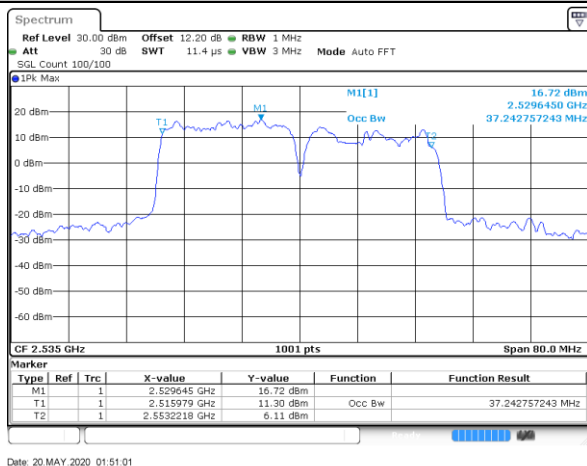
Lowest Channel / 20MHz+20MHz

N/A



Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

