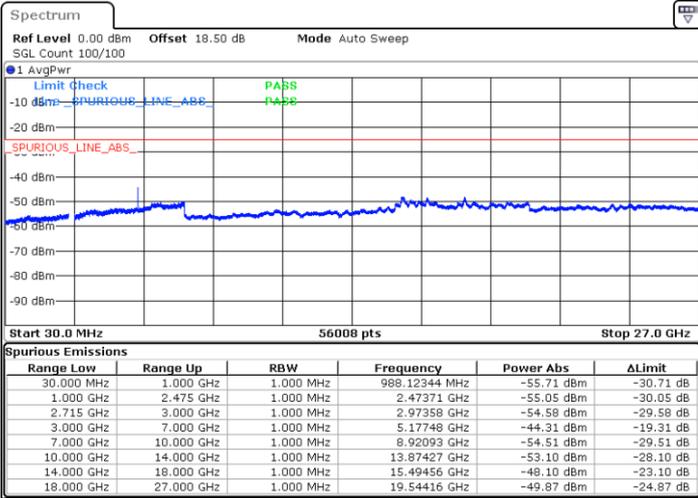




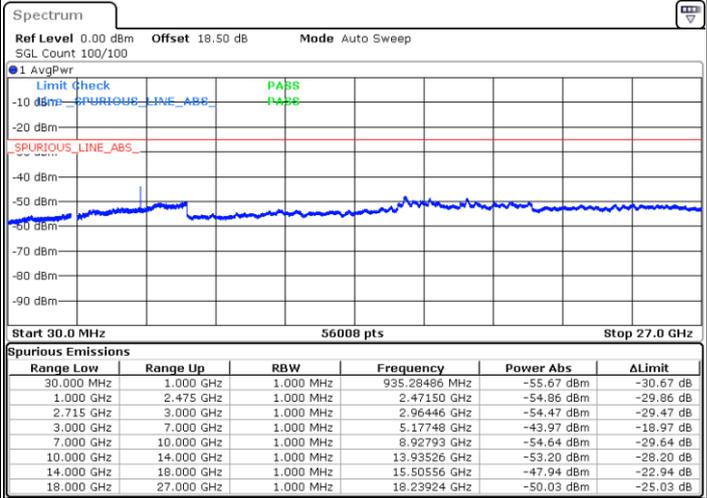
LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



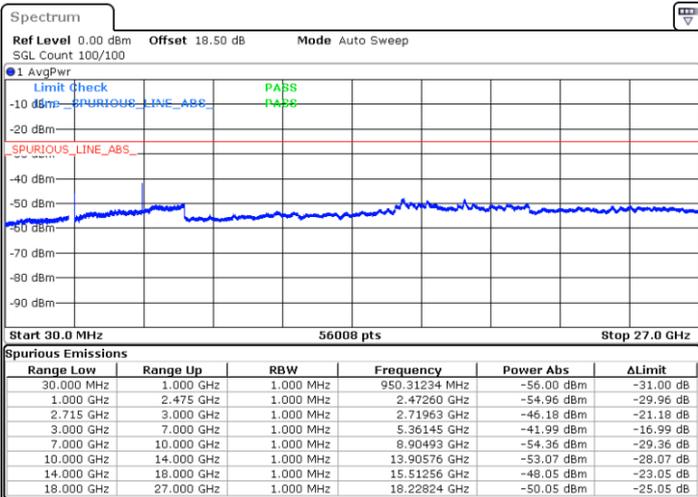
Date: 27.SEP.2021 13:34:43



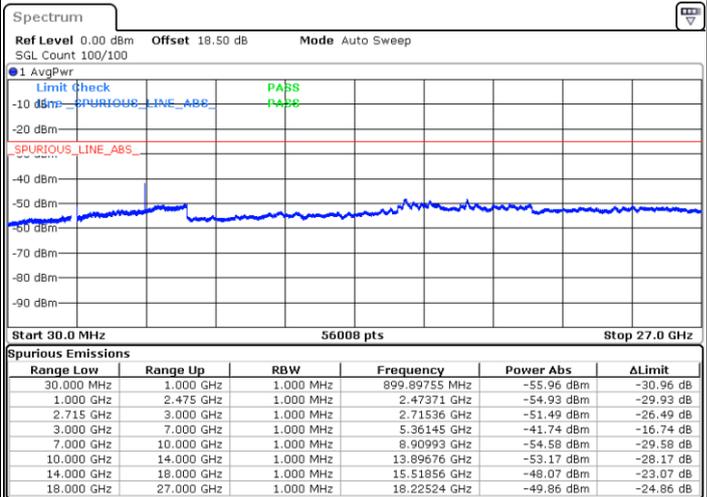
Date: 27.SEP.2021 13:35:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.SEP.2021 13:37:08



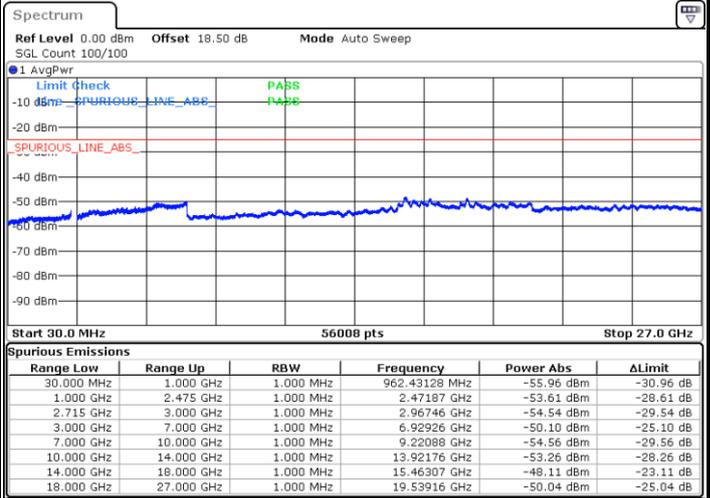
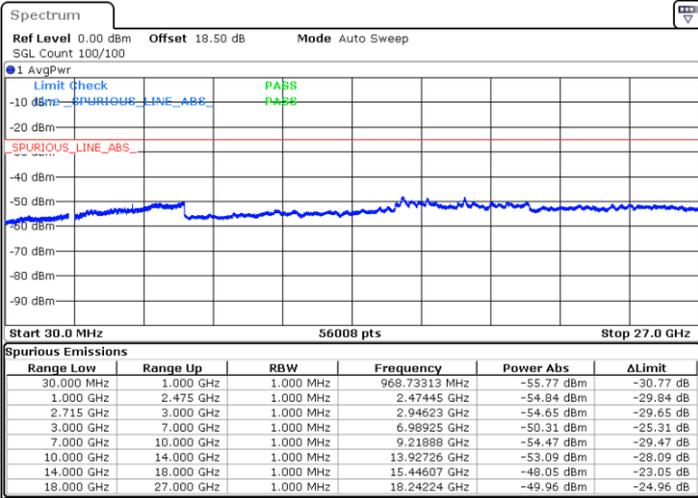
Date: 27.SEP.2021 13:38:21



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

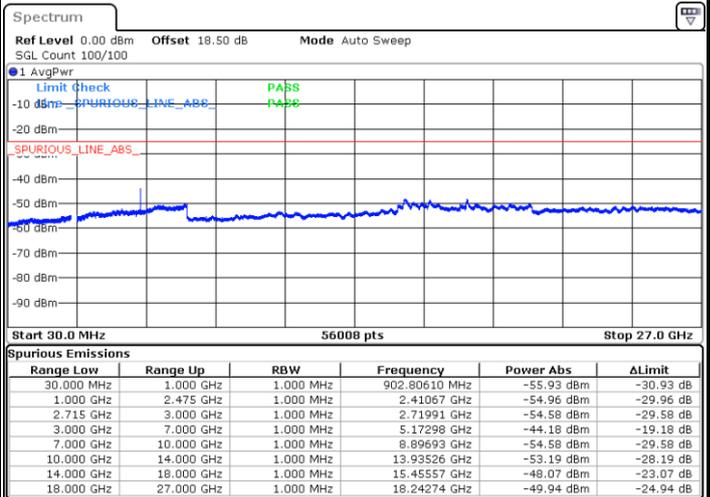
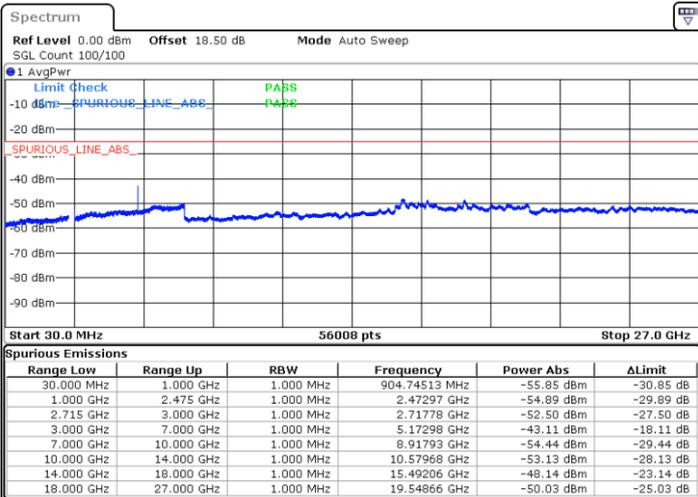


Date: 27.SEP.2021 13:39:34

Date: 27.SEP.2021 13:40:47

Middle Channel / QPSK

Middle Channel / 16QAM



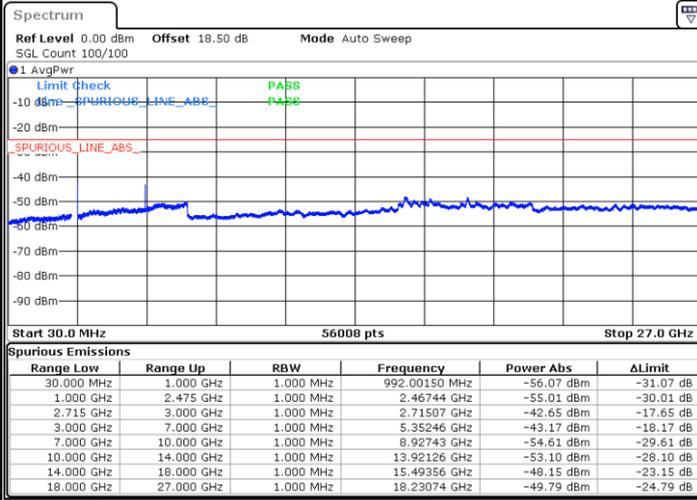
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Date: 27.SEP.2021 13:43:12



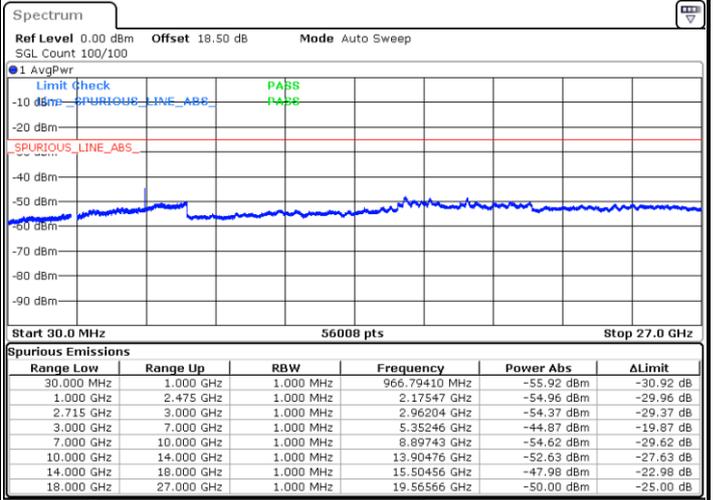
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 27.SEP.2021 13:44:25

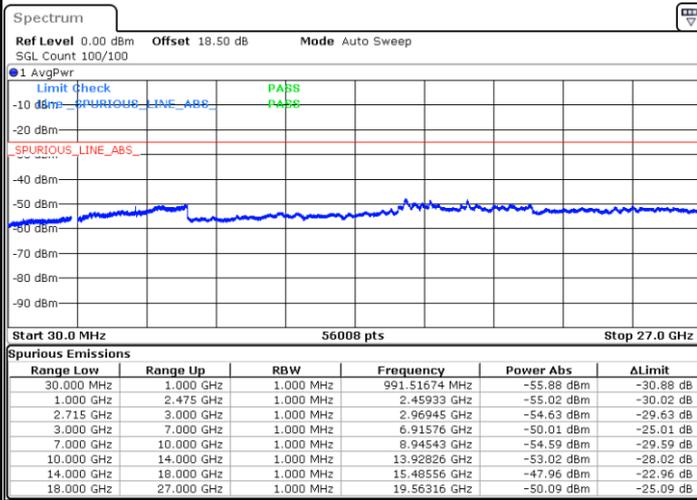
Highest Channel / 16QAM



Date: 27.SEP.2021 13:45:37

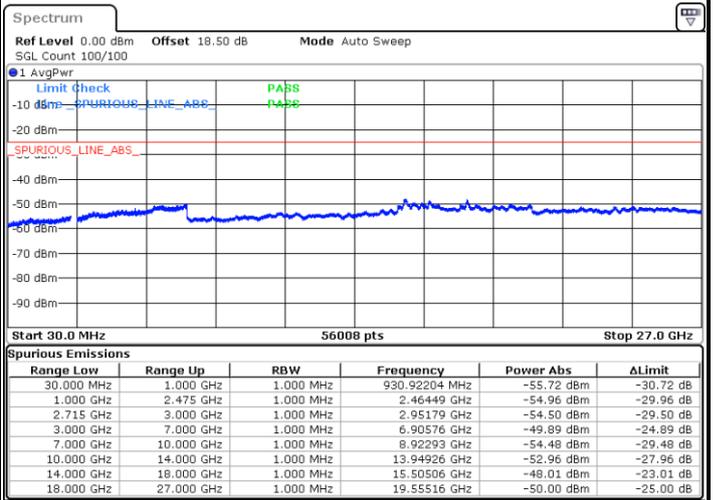
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 27.SEP.2021 13:54:06

Lowest Channel / 16QAM



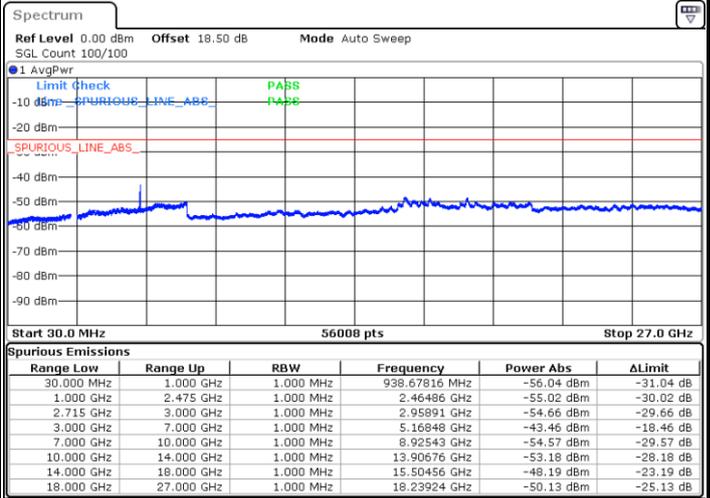
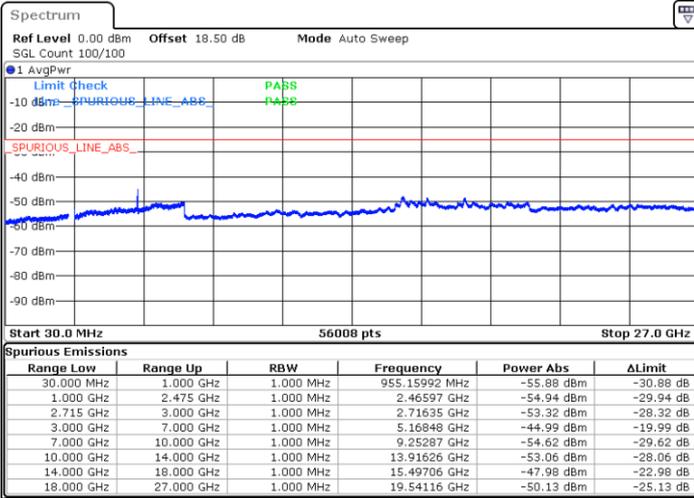
Date: 27.SEP.2021 13:55:19



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

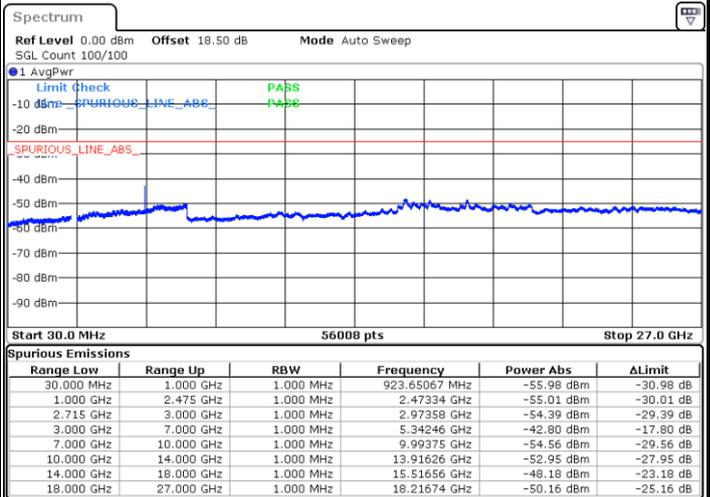
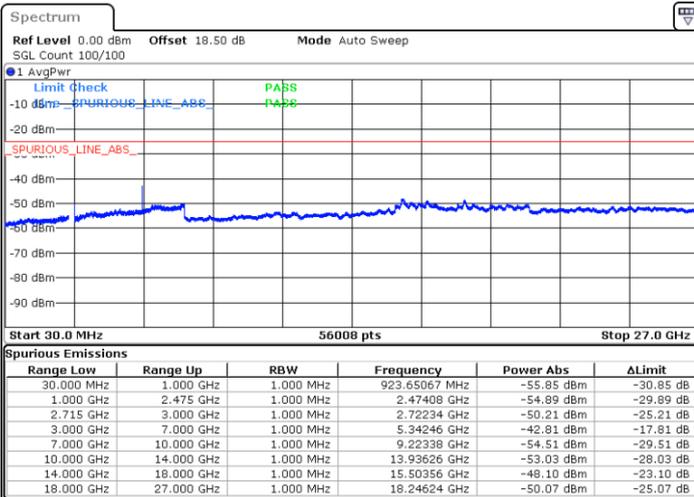


Date: 27.SEP.2021 13:56:32

Date: 27.SEP.2021 13:57:44

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.SEP.2021 13:58:58

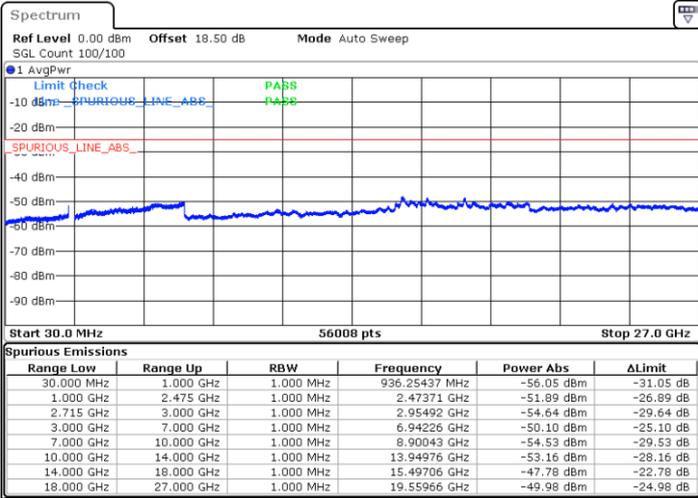
Date: 27.SEP.2021 14:00:10



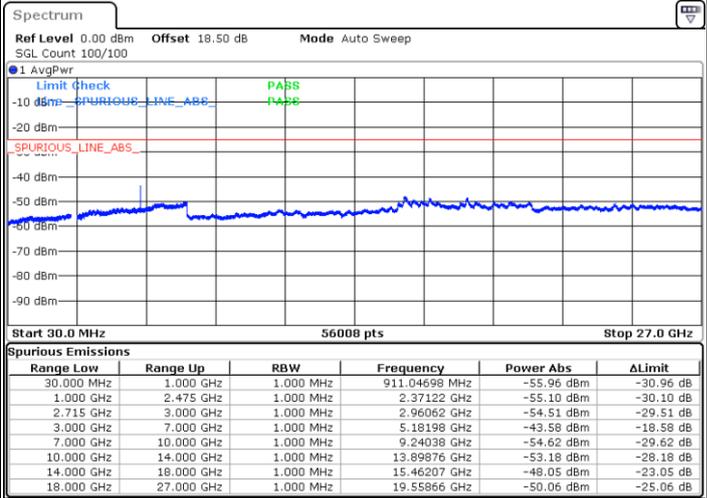
LTE Band 41 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

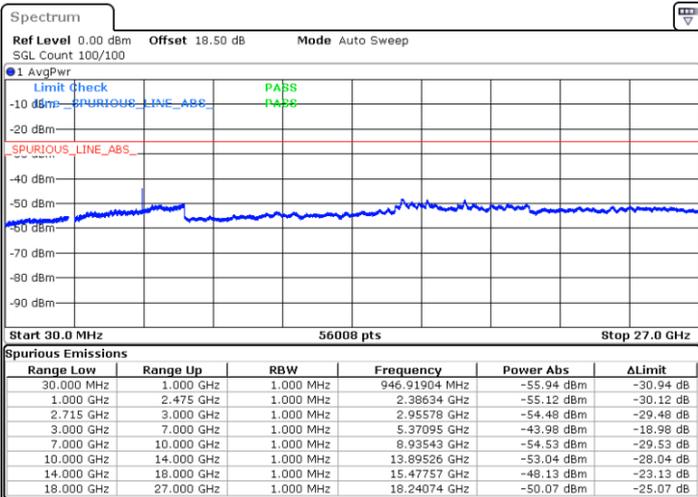


Date: 27.SEP.2021 13:17:44



Date: 27.SEP.2021 13:18:57

Highest Channel / 64QAM



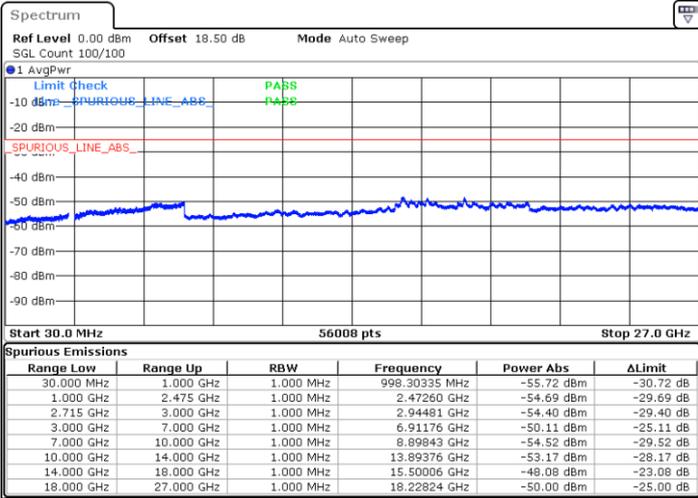
Date: 27.SEP.2021 13:20:09



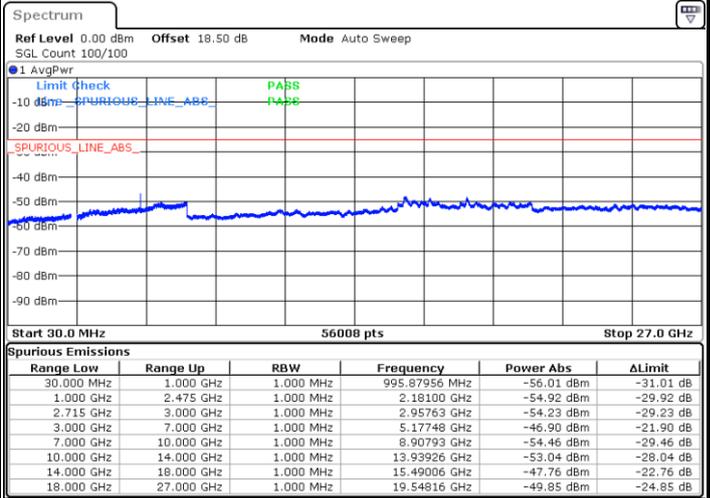
LTE Band 41 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

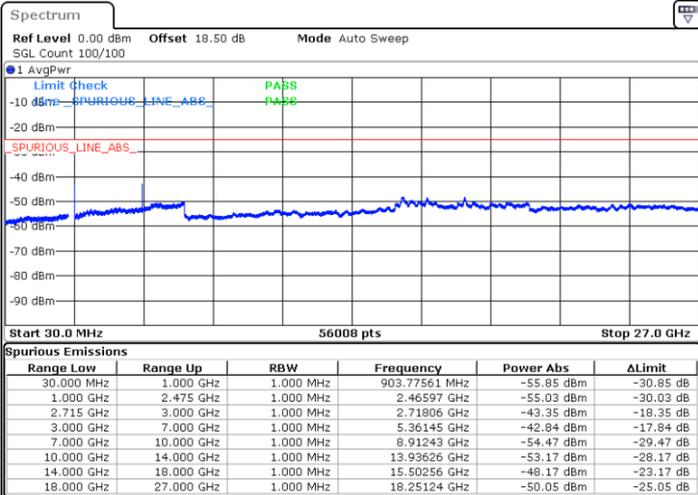


Date: 27.SEP.2021 13:28:40



Date: 27.SEP.2021 13:29:52

Highest Channel / 64QAM



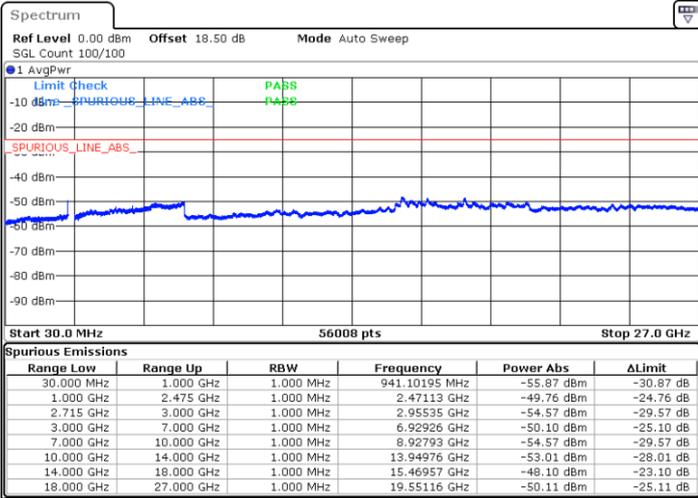
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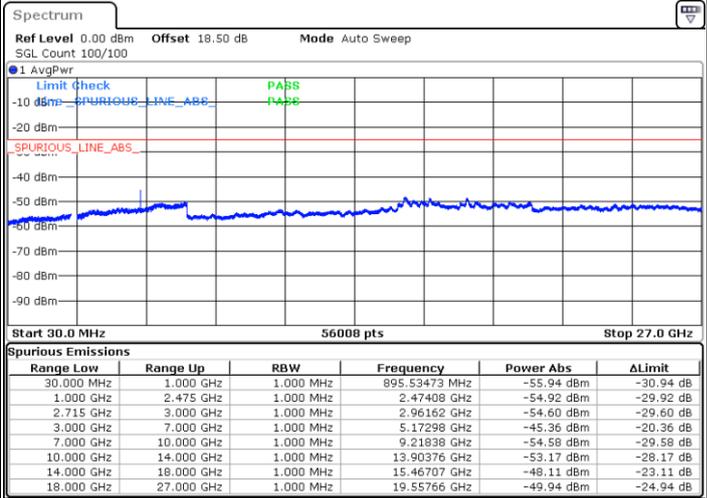
LTE Band 41 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

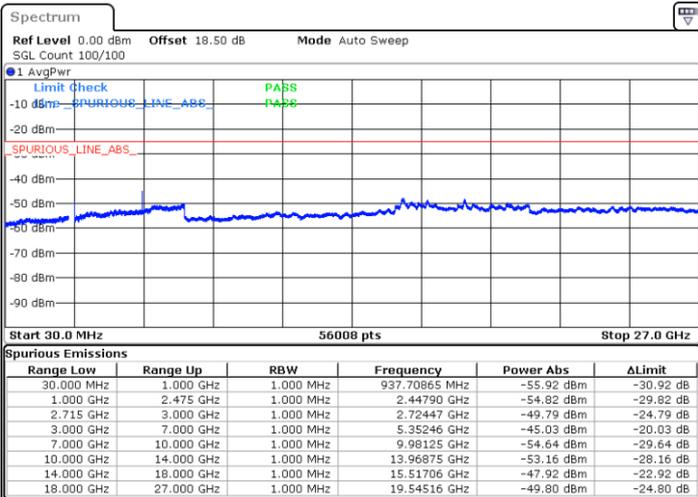


Date: 27.SEP.2021 13:46:50



Date: 27.SEP.2021 13:48:03

Highest Channel / 64QAM



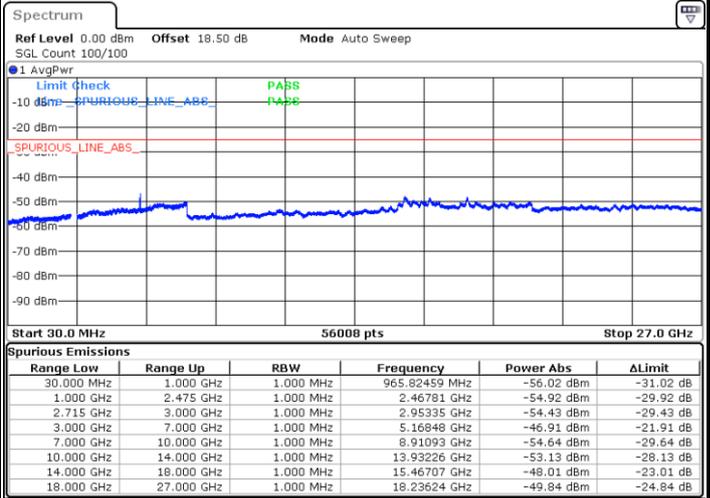
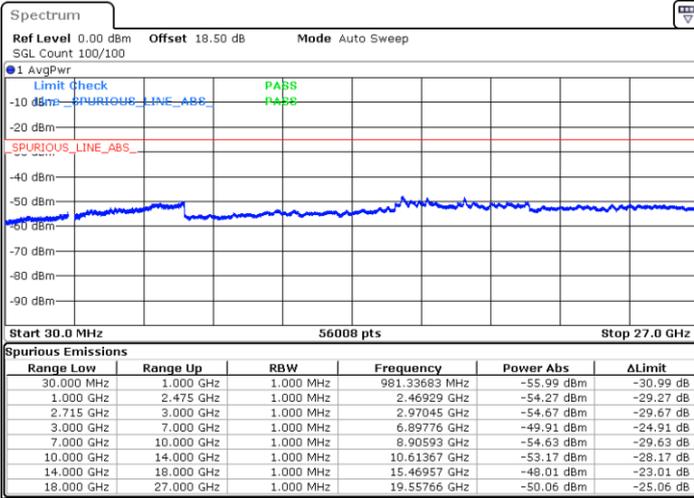
Date: 27.SEP.2021 13:49:15



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

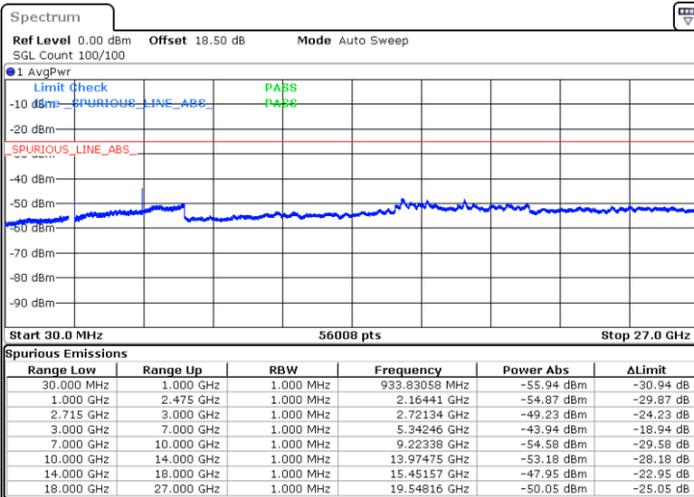
Middle Channel / 64QAM



Date: 27.SEP.2021 13:50:28

Date: 27.SEP.2021 13:51:41

Highest Channel / 64QAM



Date: 27.SEP.2021 13:52:53



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0058	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0040	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =6.9 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7C\_CA

## 26dB Bandwidth

Mode	LTE Band 7C_CA : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.97	-	25.62	30.87
Middle CH	30.03	-	25.52	30.81
Highest CH	29.85	-	25.57	30.81
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.18	29.97	35.11	39.88
Middle CH	35.11	30.09	35.11	39.96
Highest CH	34.97	30.03	35.11	39.80

Mode	LTE Band 7C_CA : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	30.03	-	25.57	30.87
Middle CH	29.97	-	25.48	30.87
Highest CH	30.03	-	25.52	30.81
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.04	29.91	35.04	39.96
Middle CH	35.11	29.97	34.97	39.88
Highest CH	35.04	30.03	35.18	39.80

Mode	LTE Band 7C_CA : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.91	-	25.52	30.75
Middle CH	30.39	-	25.52	30.81
Highest CH	29.97	-	25.52	30.87
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	30.09	35.04	39.88
Middle CH	34.97	29.91	35.04	39.88
Highest CH	35.04	30.03	35.11	39.72

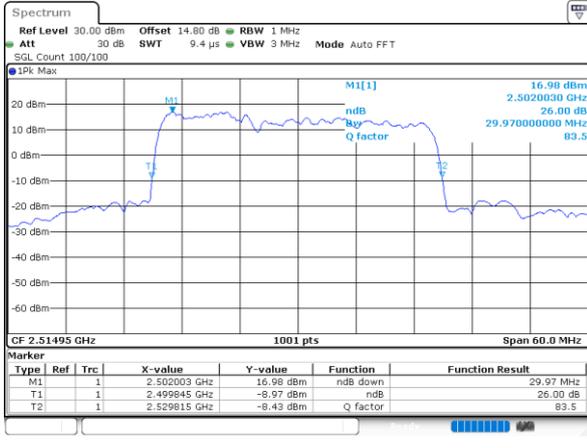


LTE Band 7C\_CA

QPSK

Lowest Channel / 10MHz+20MHz

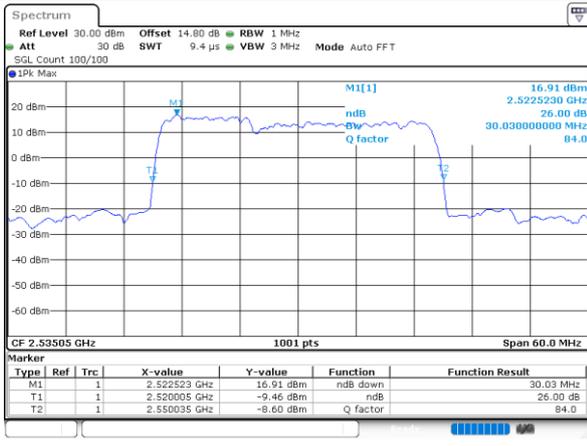
N/A



Date: 24\_SEP\_2021 10:58:02

Middle Channel / 10MHz+20MHz

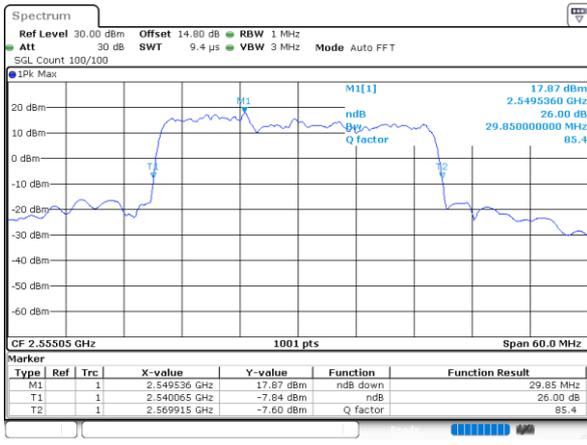
N/A



Date: 24\_SEP\_2021 11:24:43

Highest Channel / 10MHz+20MHz

N/A



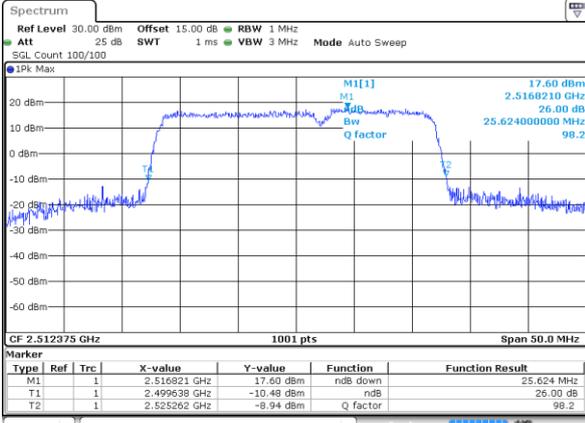
Date: 24\_SEP\_2021 11:42:03



LTE Band 7C\_CA

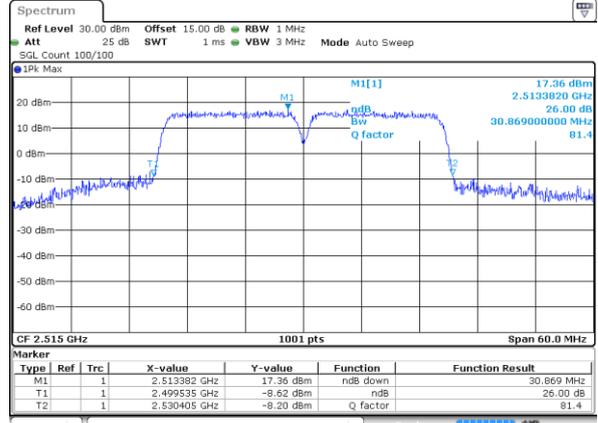
QPSK

Lowest Channel / 15MHz+10MHz



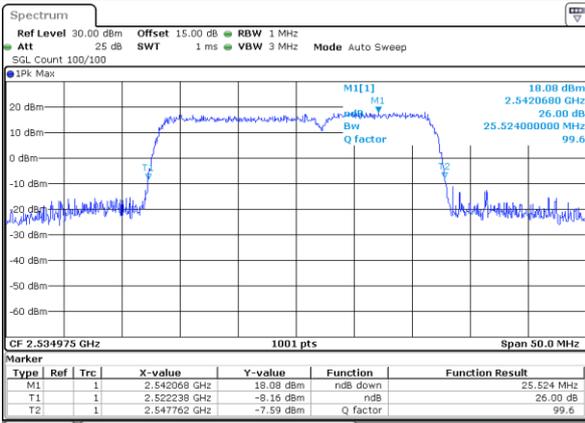
Date: 27 SEP 2021 22:18:04

Lowest Channel / 15MHz+15MHz



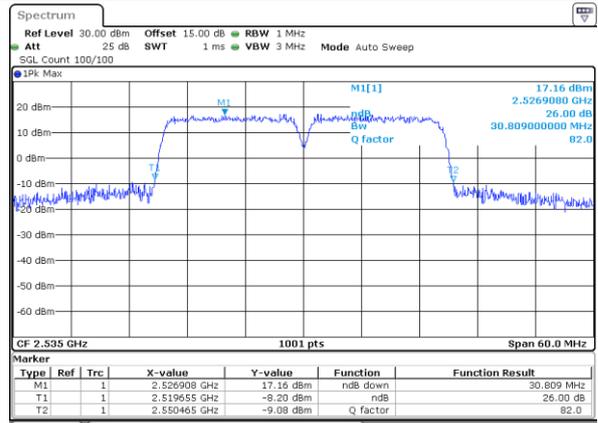
Date: 27 SEP 2021 20:20:50

Middle Channel / 15MHz+10MHz



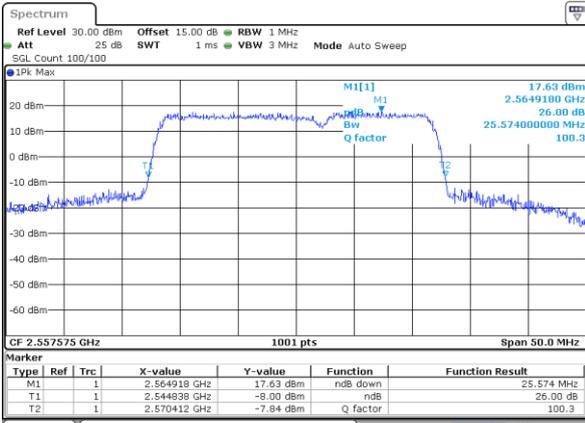
Date: 27 SEP 2021 22:58:47

Middle Channel / 15MHz+15MHz



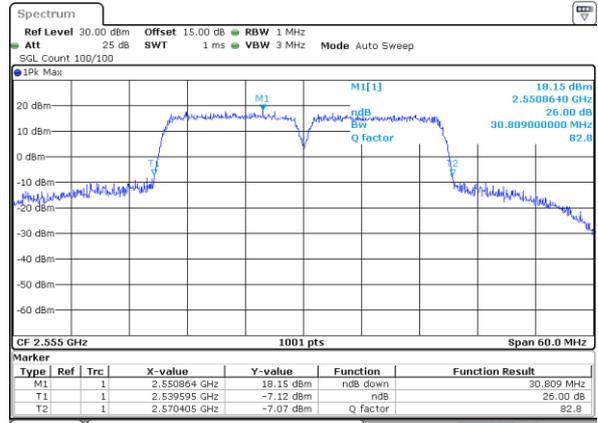
Date: 27 SEP 2021 20:45:08

Highest Channel / 15MHz+10MHz



Date: 27 SEP 2021 23:00:17

Highest Channel / 15MHz+15MHz



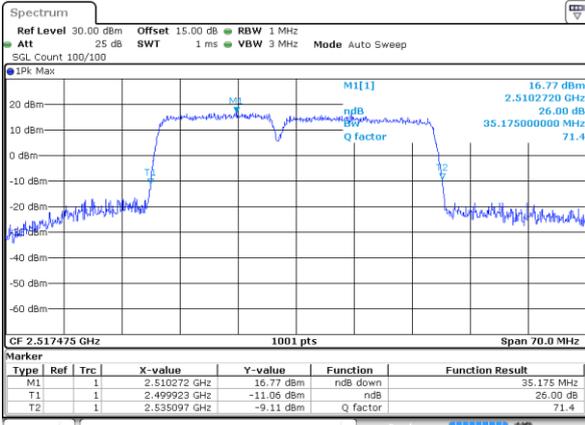
Date: 27 SEP 2021 20:52:30



LTE Band 7C\_CA

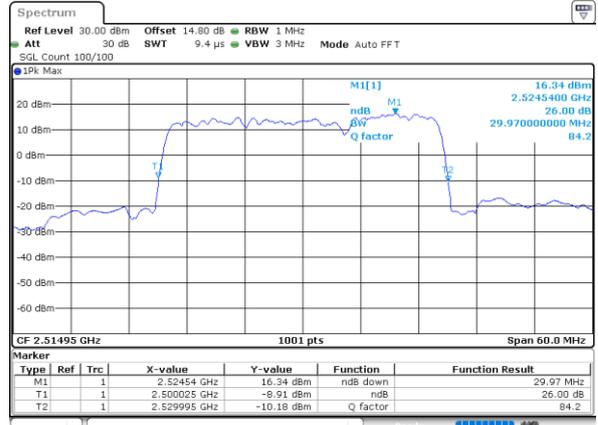
QPSK

Lowest Channel / 15MHz+20MHz



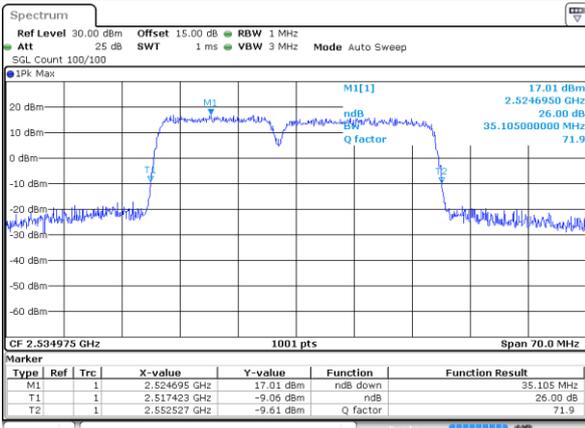
Date: 27 SEP 2021 21:04:29

Lowest Channel / 20MHz+10MHz



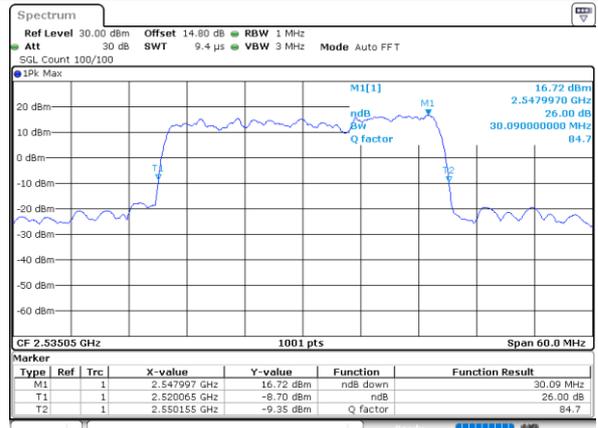
Date: 24 SEP 2021 13:33:18

Middle Channel / 15MHz+20MHz



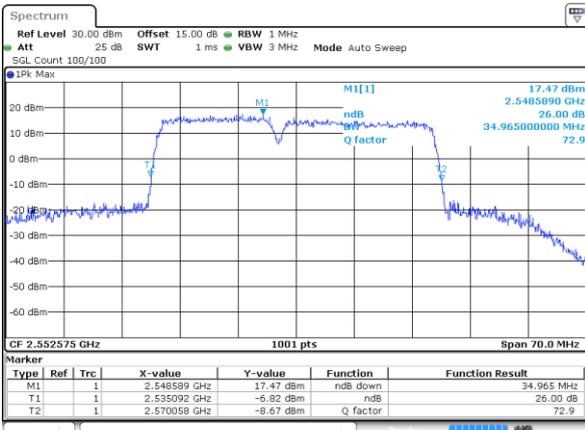
Date: 27 SEP 2021 21:39:33

Middle Channel / 20MHz+10MHz



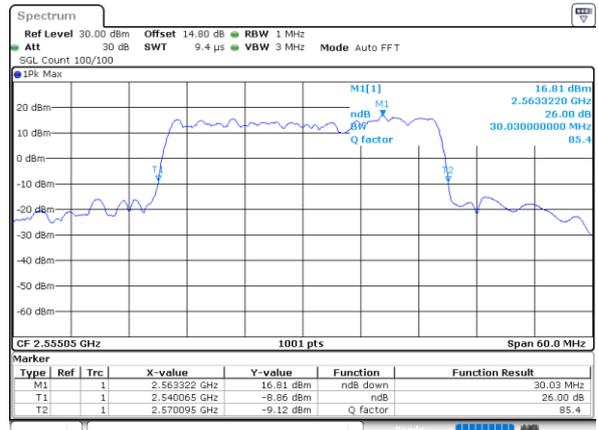
Date: 24 SEP 2021 13:58:46

Highest Channel / 15MHz+20MHz



Date: 27 SEP 2021 21:46:09

Highest Channel / 20MHz+10MHz



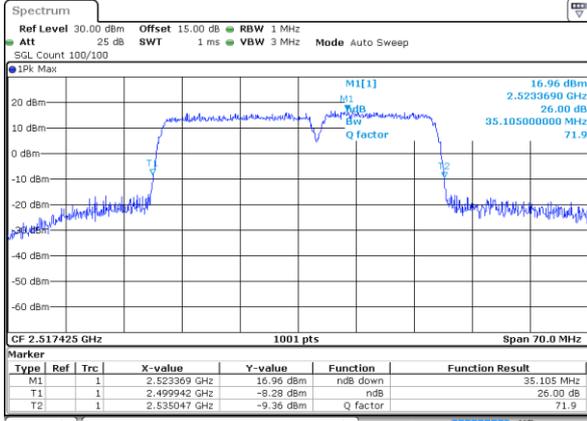
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LTE Band 7C\_CA

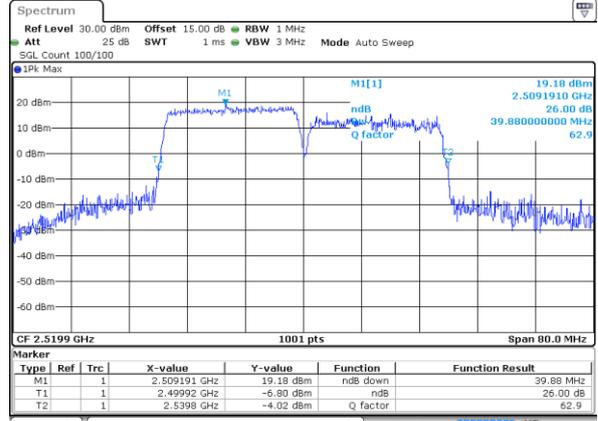
QPSK

Lowest Channel / 20MHz+15MHz



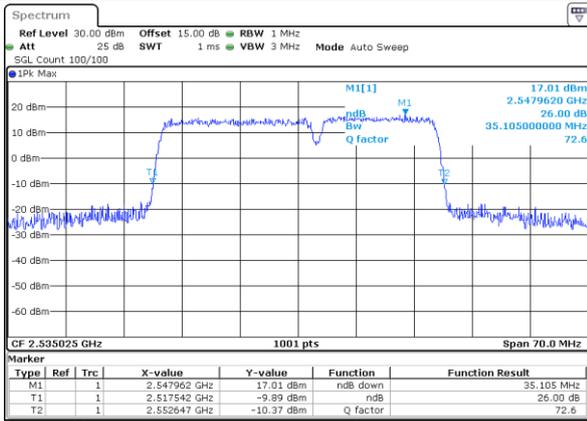
Date: 27 SEP 2021 23:15:00

Lowest Channel / 20MHz+20MHz



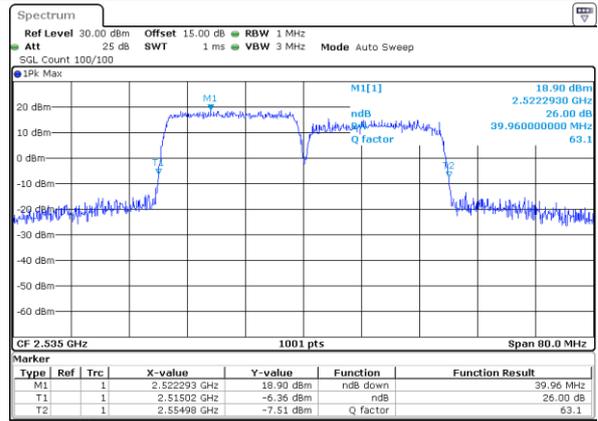
Date: 28 SEP 2021 00:01:29

Middle Channel / 20MHz+15MHz



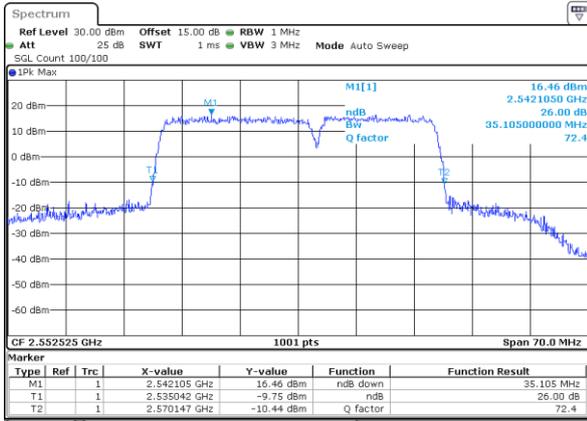
Date: 27 SEP 2021 23:29:20

Middle Channel / 20MHz+20MHz



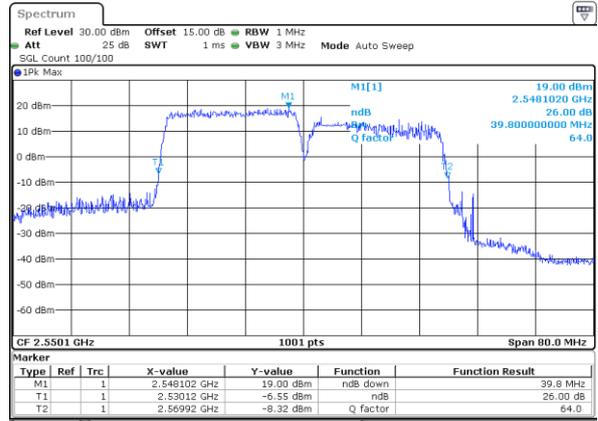
Date: 28 SEP 2021 00:23:11

Highest Channel / 20MHz+15MHz



Date: 27 SEP 2021 23:51:31

Highest Channel / 20MHz+20MHz



Date: 28 SEP 2021 00:24:43

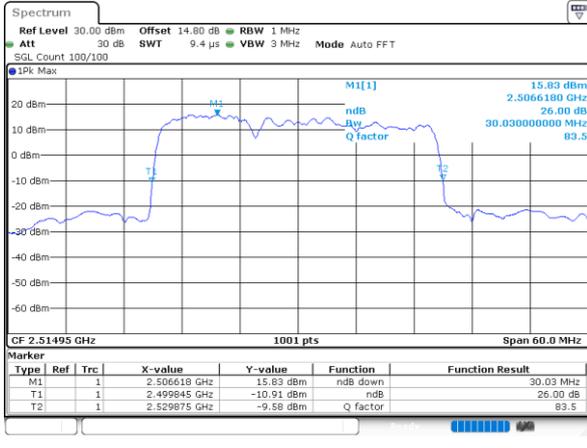


LTE Band 7C\_CA

16QAM

Lowest Channel / 10MHz+20MHz

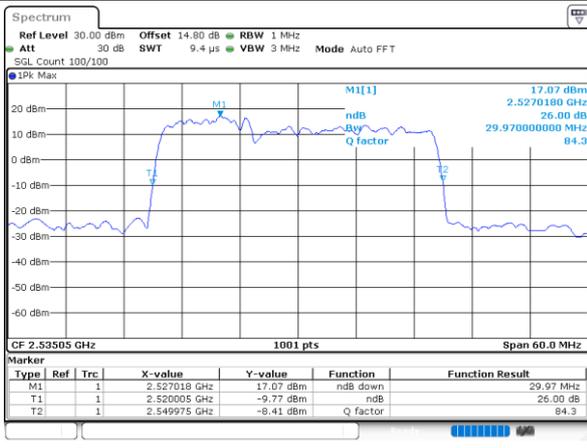
N/A



Date: 24\_SEP\_2021 10:57:31

Middle Channel / 10MHz+20MHz

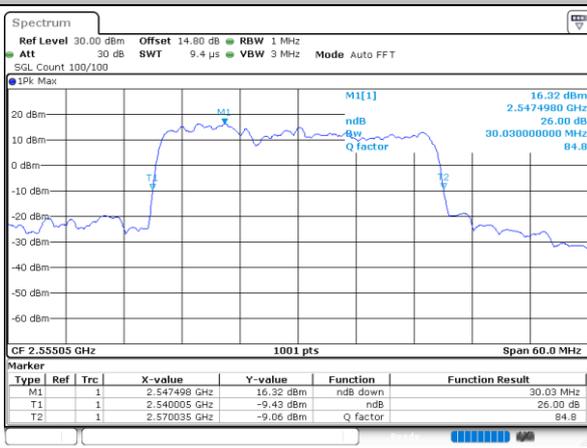
N/A



Date: 24\_SEP\_2021 11:24:12

Highest Channel / 10MHz+20MHz

N/A



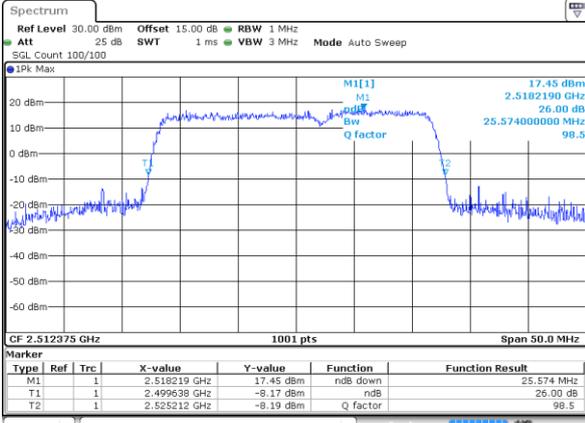
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LTE Band 7C\_CA

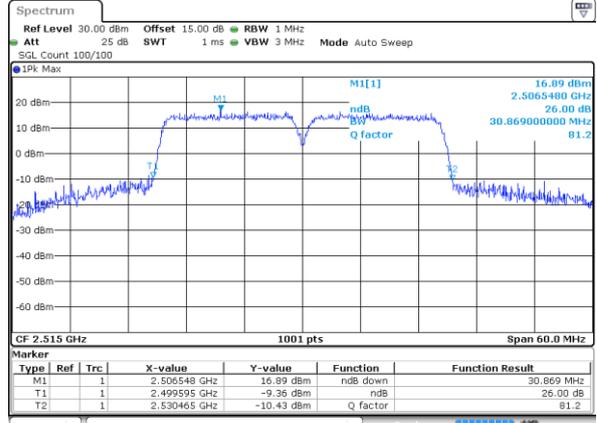
16QAM

Lowest Channel / 15MHz+10MHz



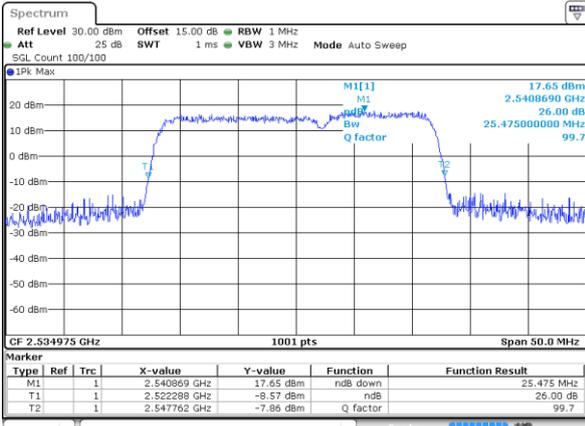
Date: 27 SEP 2021 22:34:31

Lowest Channel / 15MHz+15MHz



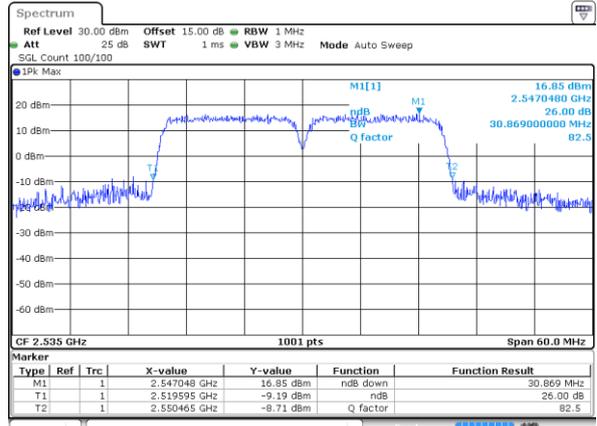
Date: 27 SEP 2021 20:22:45

Middle Channel / 15MHz+10MHz



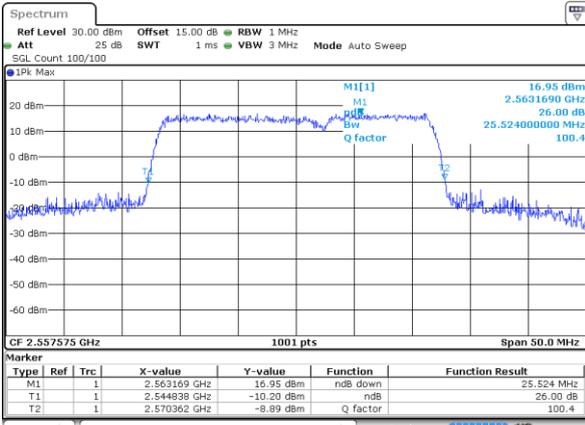
Date: 27 SEP 2021 22:53:22

Middle Channel / 15MHz+15MHz



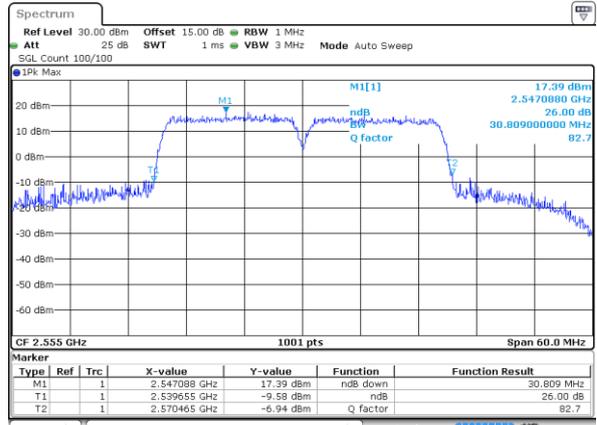
Date: 27 SEP 2021 20:48:12

Highest Channel / 15MHz+10MHz



Date: 27 SEP 2021 23:01:23

Highest Channel / 15MHz+15MHz



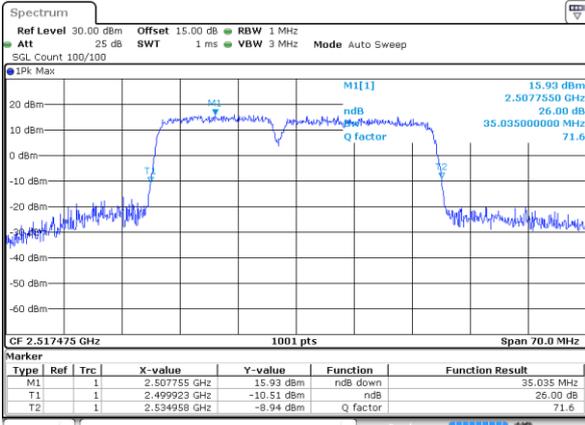
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LTE Band 7C\_CA

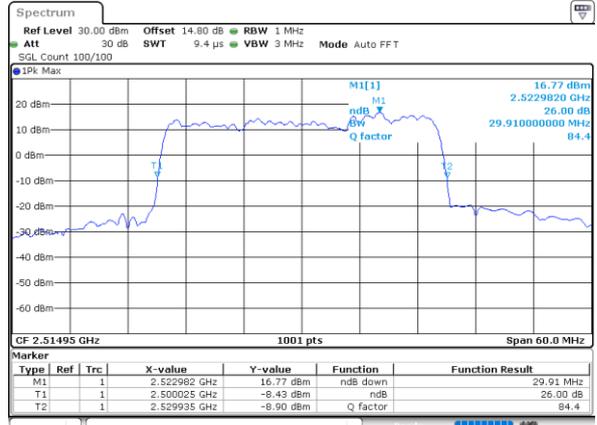
16QAM

Lowest Channel / 15MHz+20MHz



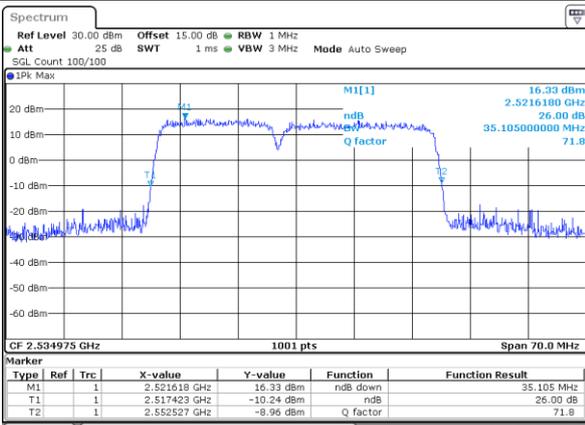
Date: 27 SEP 2021 21:15:27

Lowest Channel / 20MHz+10MHz



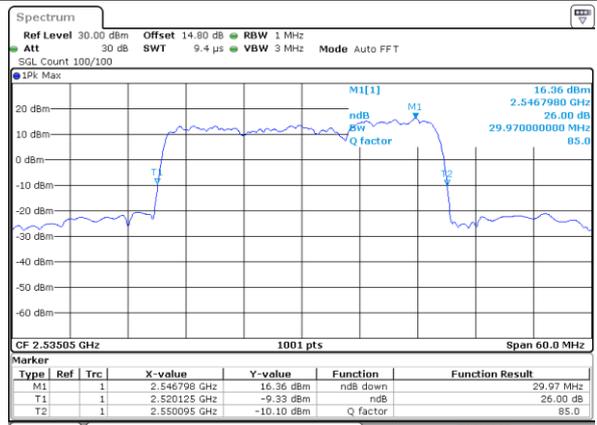
Date: 24 SEP 2021 13:32:48

Middle Channel / 15MHz+20MHz



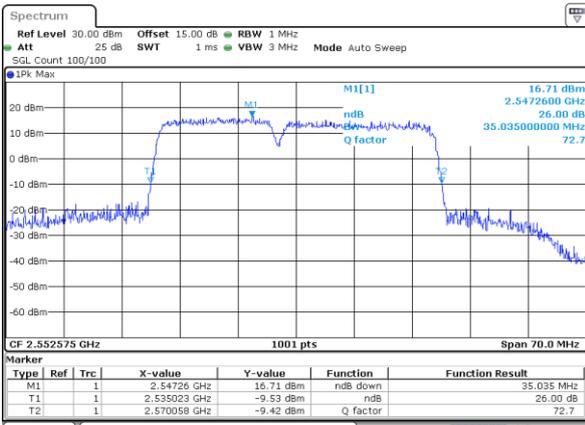
Date: 27 SEP 2021 21:40:37

Middle Channel / 20MHz+10MHz



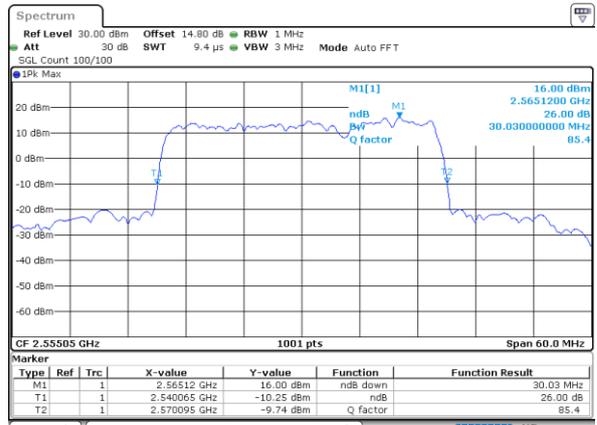
Date: 24 SEP 2021 13:58:15

Highest Channel / 15MHz+20MHz



Date: 27 SEP 2021 21:44:20

Highest Channel / 20MHz+10MHz



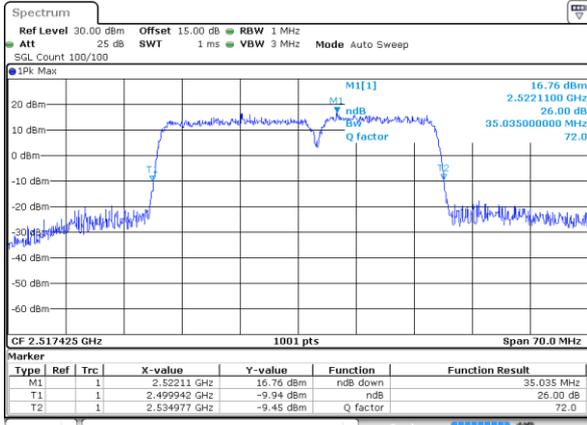
Date: 24 SEP 2021 14:11:34



LTE Band 7C\_CA

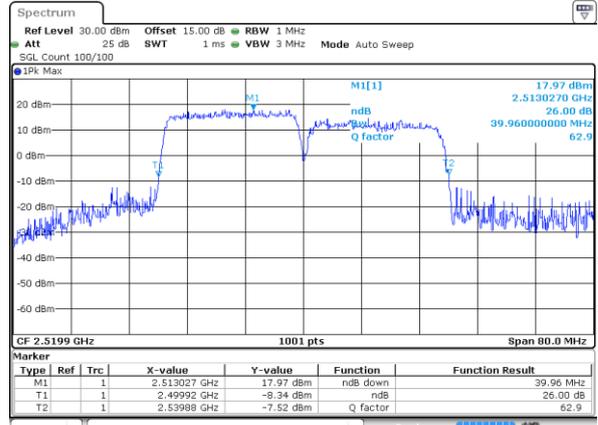
16QAM

Lowest Channel / 20MHz+15MHz



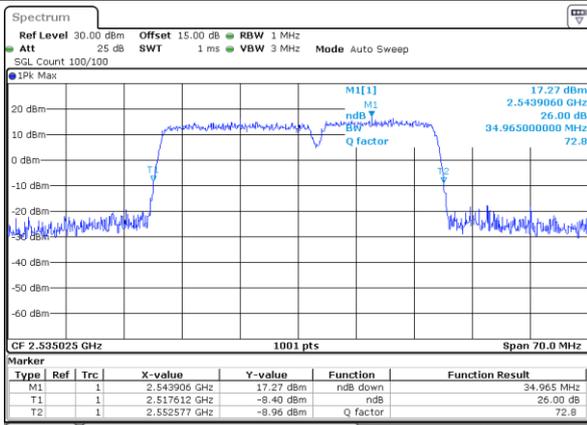
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Lowest Channel / 20MHz+20MHz



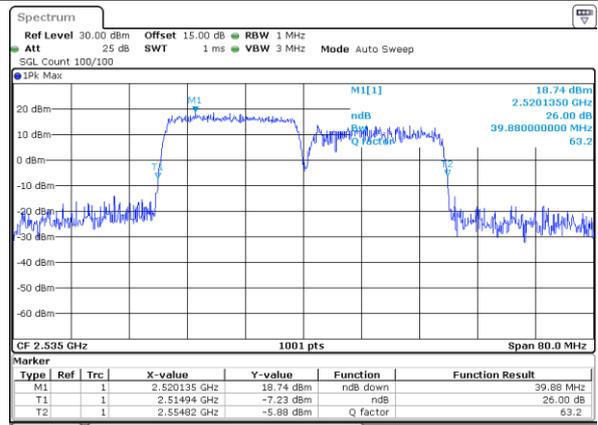
Date: 28 SEP 2021 00:23:37

Middle Channel / 20MHz+15MHz



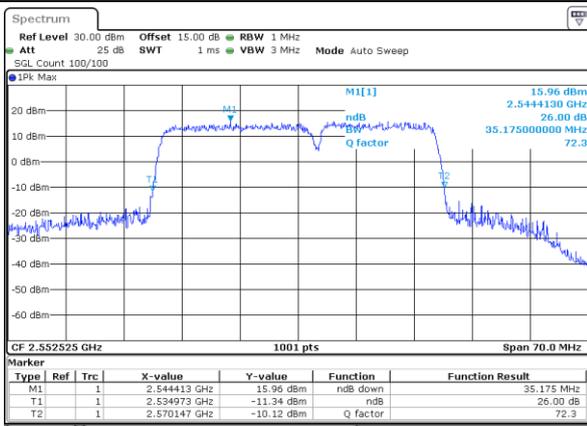
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Middle Channel / 20MHz+20MHz



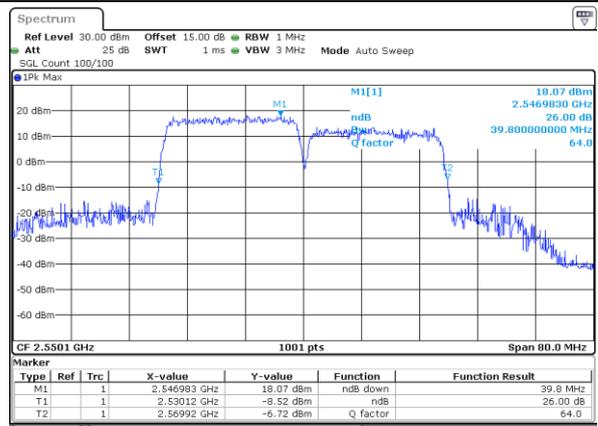
Date: 28 SEP 2021 00:21:35

Highest Channel / 20MHz+15MHz



Date: 27 SEP 2021 23:50:29

Highest Channel / 20MHz+20MHz



Date: 28 SEP 2021 00:25:56

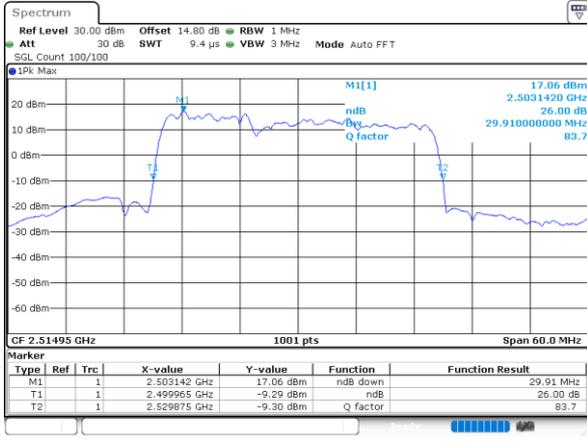


LTE Band 7C\_CA

64QAM

Lowest Channel / 10MHz+20MHz

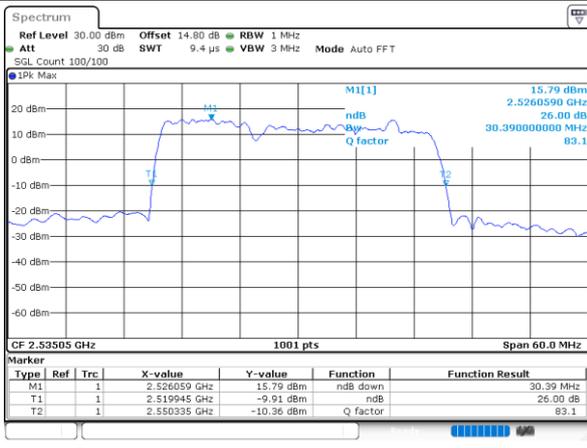
N/A



Date: 24\_SEP\_2021 10:57:01

Middle Channel / 10MHz+20MHz

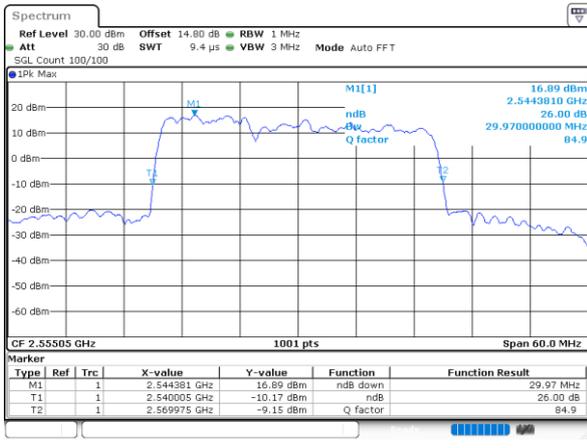
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Date: 24\_SEP\_2021 11:23:42

Highest Channel / 10MHz+20MHz

N/A



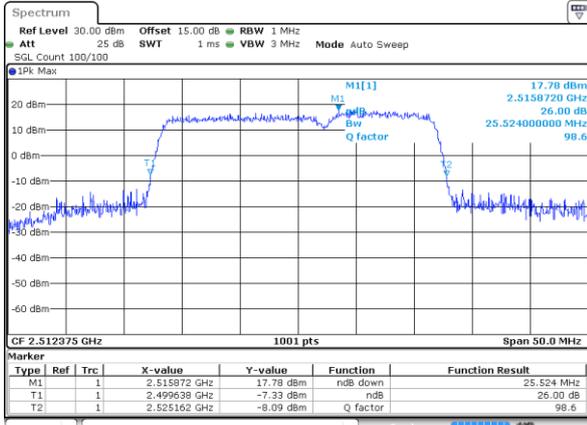
Date: 24\_SEP\_2021 11:43:04



LTE Band 7C\_CA

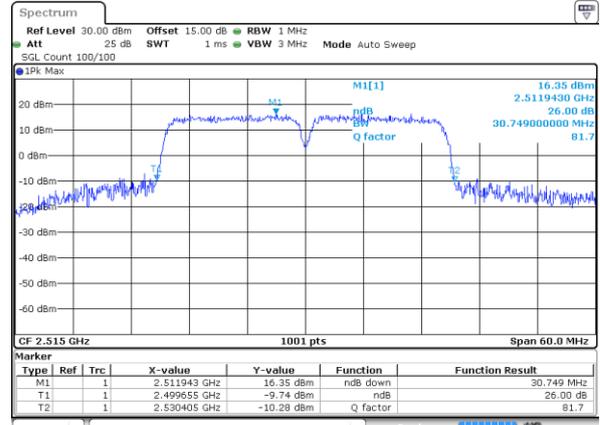
64QAM

Lowest Channel / 15MHz+10MHz



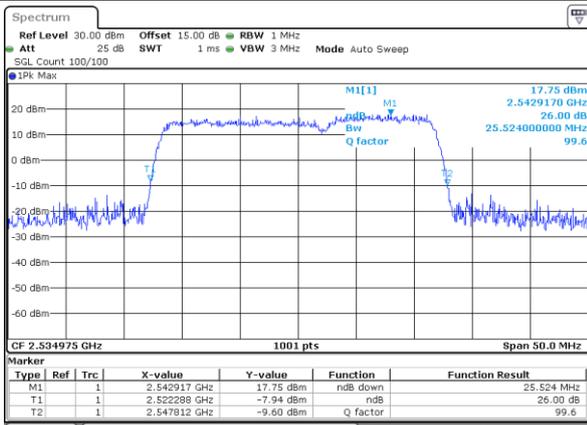
Date: 27 SEP 2021 22:34:42

Lowest Channel / 15MHz+15MHz



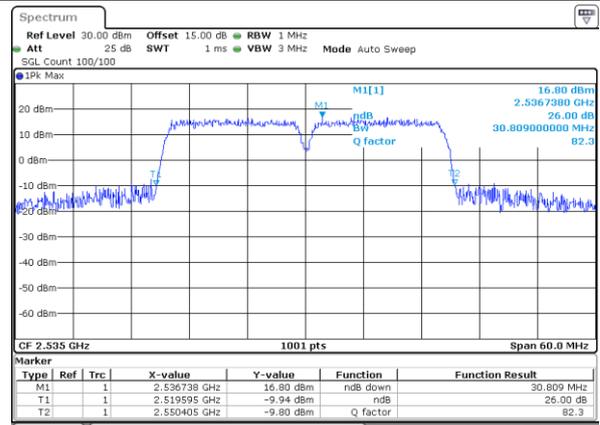
Date: 27 SEP 2021 20:24:03

Middle Channel / 15MHz+10MHz



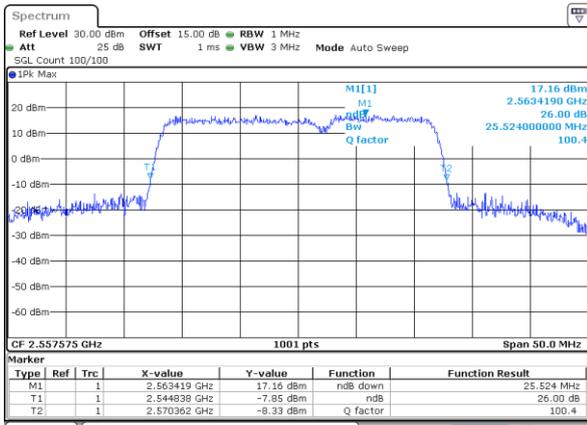
Date: 27 SEP 2021 22:52:05

Middle Channel / 15MHz+15MHz



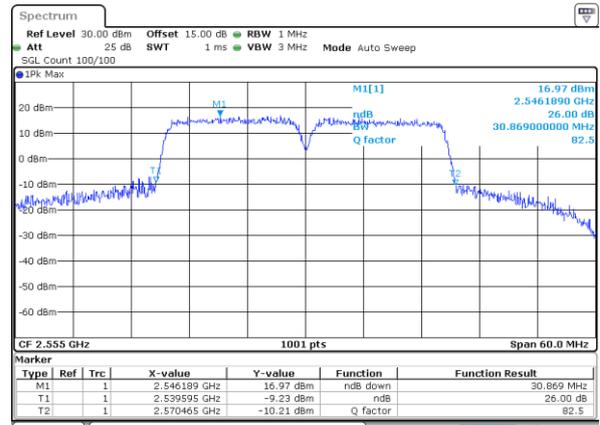
Date: 27 SEP 2021 20:48:09

Highest Channel / 15MHz+10MHz



Date: 27 SEP 2021 23:02:33

Highest Channel / 15MHz+15MHz



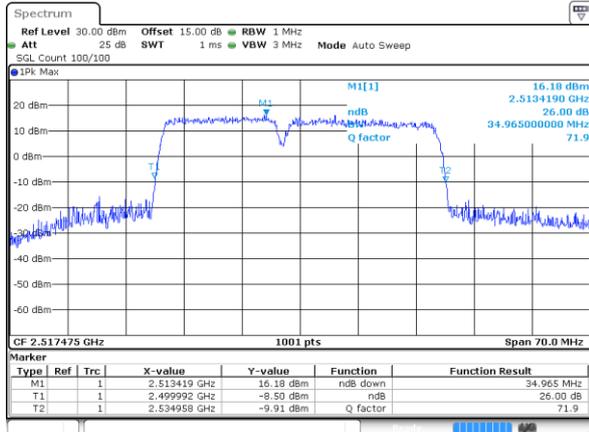
Date: 27 SEP 2021 20:48:41



LTE Band 7C\_CA

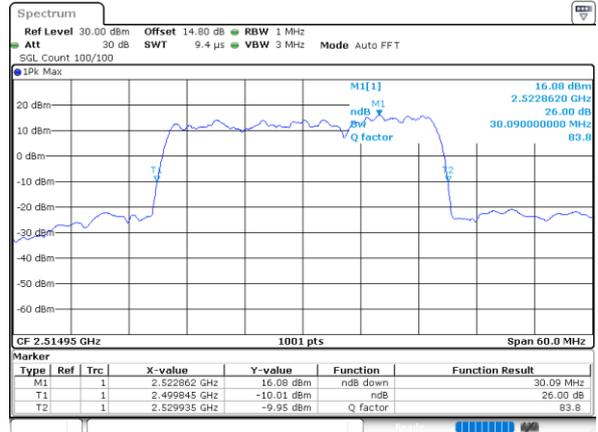
64QAM

Lowest Channel / 15MHz+20MHz



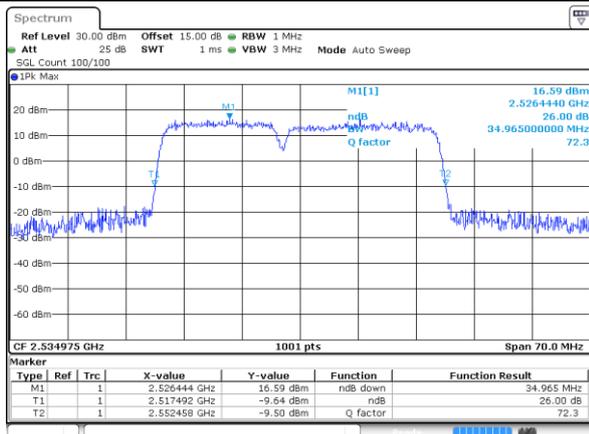
Date: 27 SEP 2021 21:16:40

Lowest Channel / 20MHz+10MHz



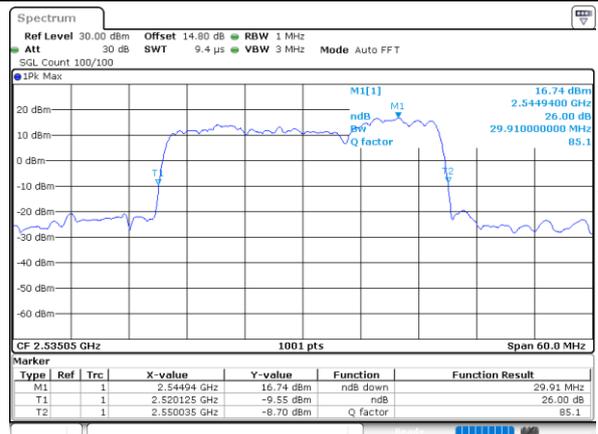
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Middle Channel / 15MHz+20MHz



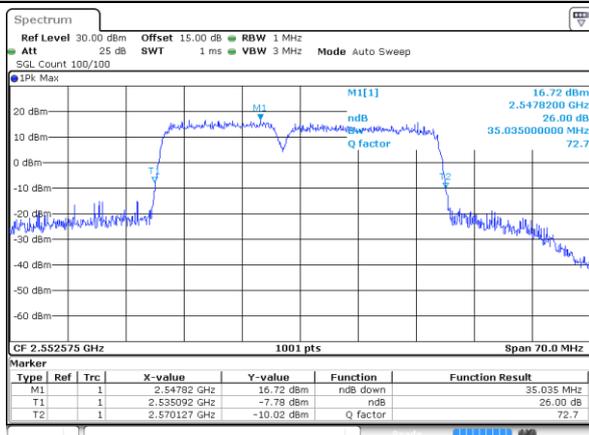
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Middle Channel / 20MHz+10MHz



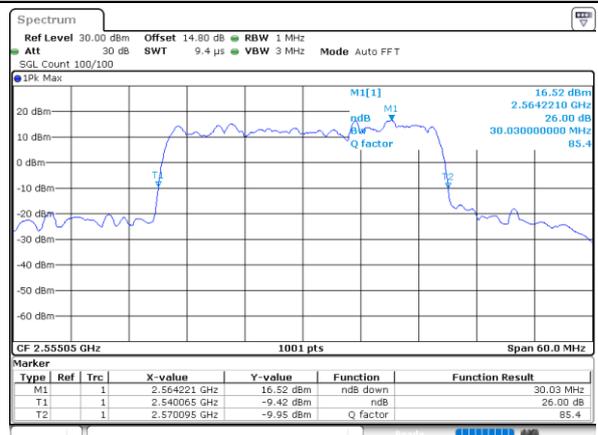
Date: 24 SEP 2021 13:57:44

Highest Channel / 15MHz+20MHz



Date: 27 SEP 2021 21:43:11

Highest Channel / 20MHz+10MHz



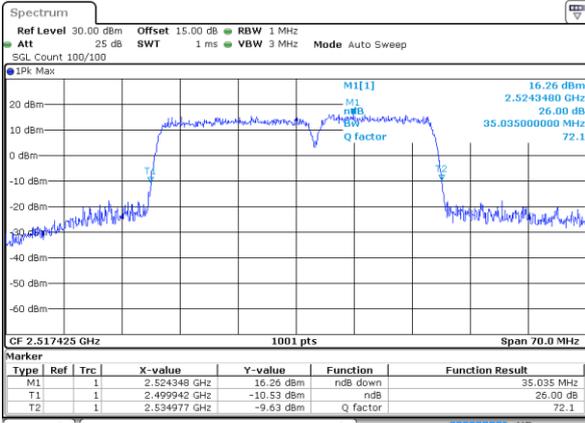
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LTE Band 7C\_CA

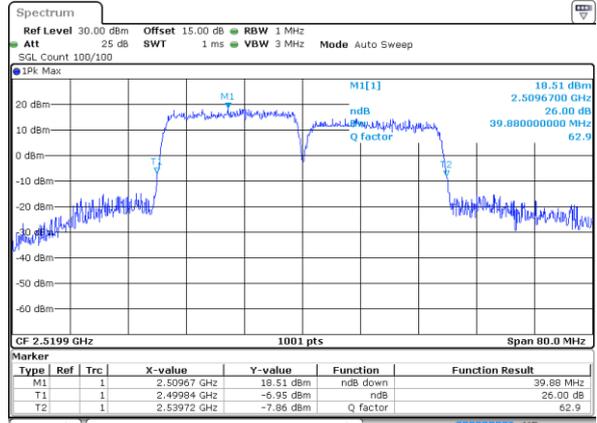
64QAM

Lowest Channel / 20MHz+15MHz



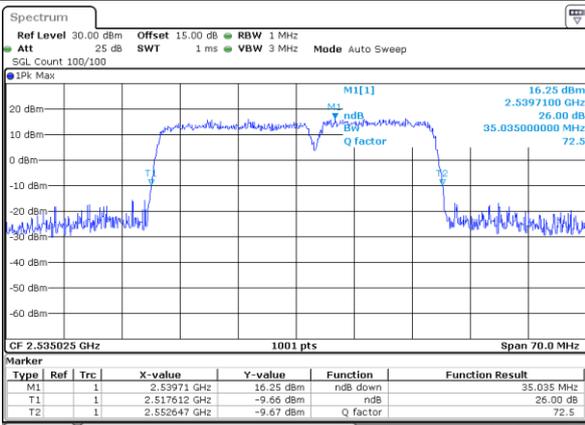
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Lowest Channel / 20MHz+20MHz



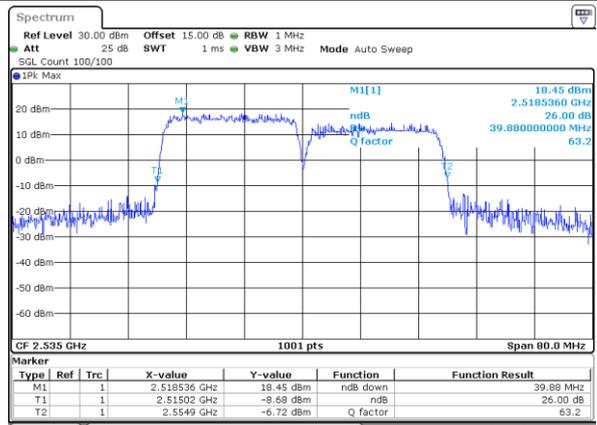
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Middle Channel / 20MHz+15MHz



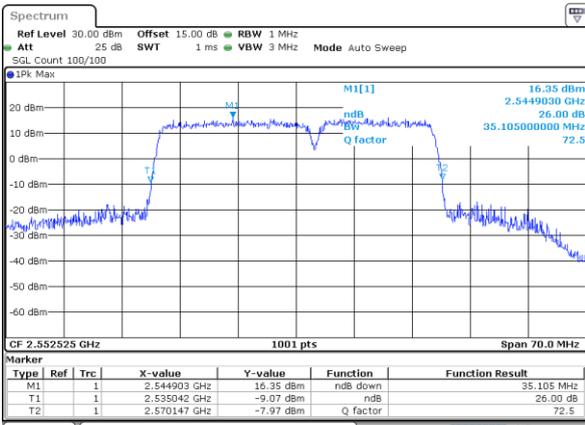
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Middle Channel / 20MHz+20MHz



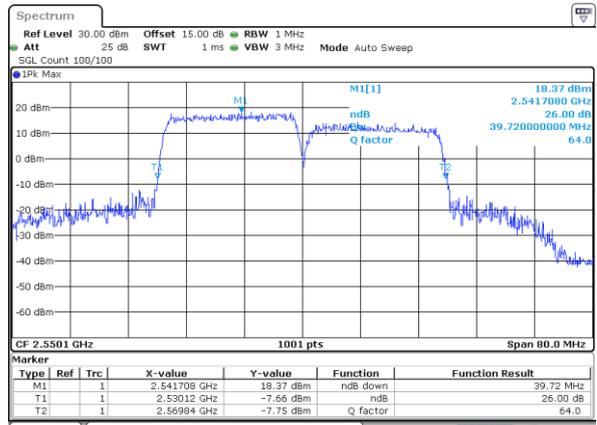
Date: 28 SEP 2021 00:20:30

Highest Channel / 20MHz+15MHz



Date: 27 SEP 2021 23:34:38

Highest Channel / 20MHz+20MHz



Date: 28 SEP 2021 00:27:19



### Occupied Bandwidth

Mode	LTE Band 7C_CA : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	28.23	-	23.53	28.71
Middle CH	28.05	-	23.58	28.71
Highest CH	28.05	-	23.58	28.59
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	28.05	32.80	37.48
Middle CH	32.87	28.23	32.80	37.48
Highest CH	32.87	28.05	32.80	37.48

Mode	LTE Band 7C_CA : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.87	-	23.48	28.65
Middle CH	28.11	-	23.53	28.65
Highest CH	27.99	-	23.53	28.65
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	27.99	32.87	37.56
Middle CH	32.87	28.05	32.94	37.48
Highest CH	32.73	28.11	32.80	37.48

Mode	LTE Band 7C_CA : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	28.11	-	23.48	28.59
Middle CH	28.05	-	23.48	28.59
Highest CH	28.05	-	23.53	28.65
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.87	27.99	32.80	37.40
Middle CH	32.87	28.11	32.87	37.40
Highest CH	32.87	27.87	32.87	37.32

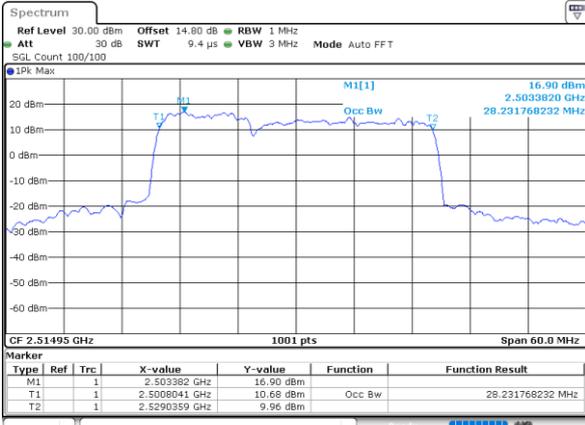


LTE Band 7C\_CA

QPSK

Lowest Channel / 10MHz+20MHz

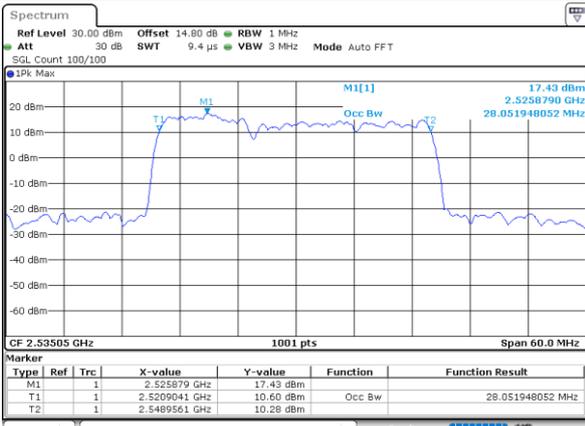
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Date: 24\_SEP\_2021 10:55:20

Middle Channel / 10MHz+20MHz

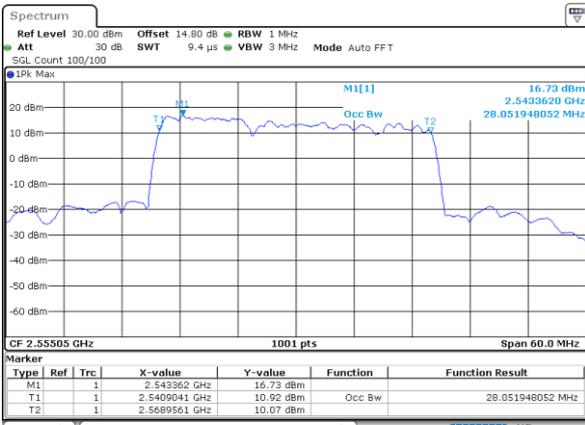
N/A



Date: 24\_SEP\_2021 11:22:10

Highest Channel / 10MHz+20MHz

N/A



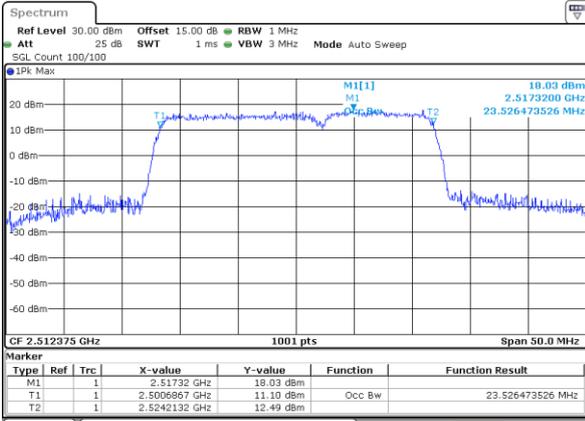
Date: 24\_SEP\_2021 11:41:33



LTE Band 7C\_CA

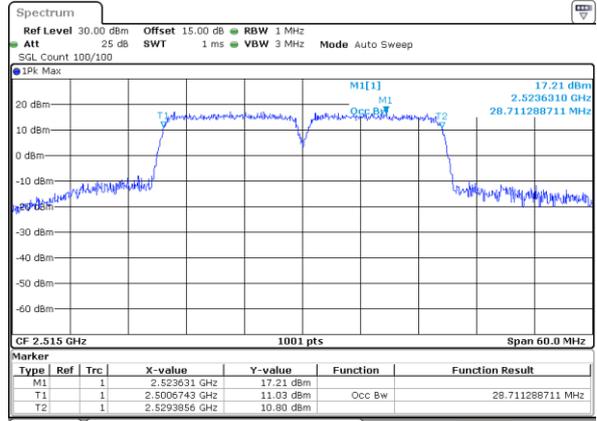
QPSK

Lowest Channel / 15MHz+10MHz



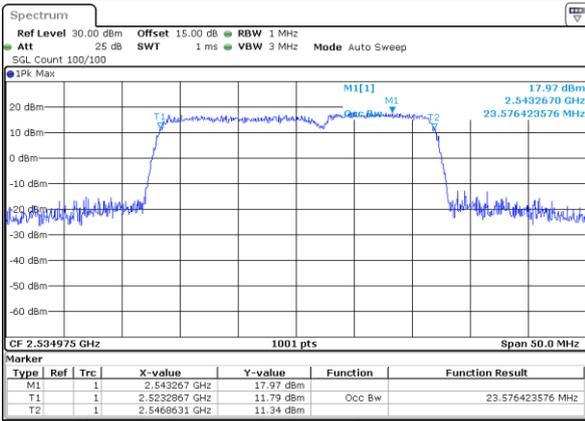
Date: 27 SEP 2021 22:17:58

Lowest Channel / 15MHz+15MHz



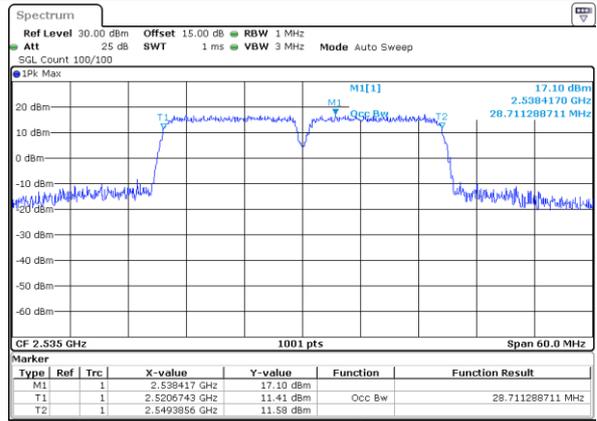
Date: 27 SEP 2021 20:20:43

Middle Channel / 15MHz+10MHz



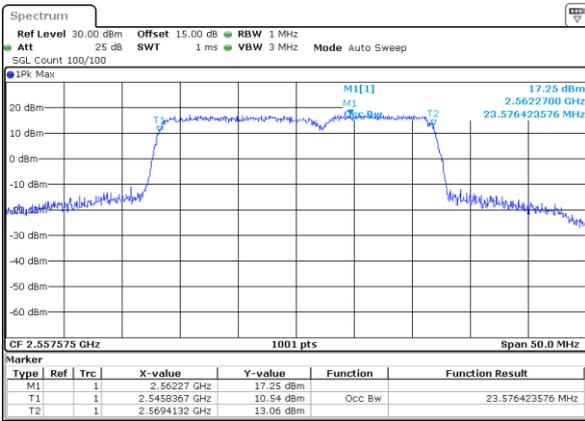
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Middle Channel / 15MHz+15MHz



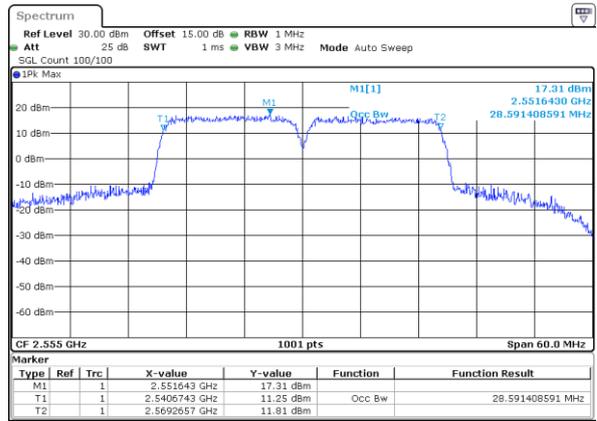
Date: 27 SEP 2021 20:44:59

Highest Channel / 15MHz+10MHz



Date: 27 SEP 2021 23:00:12

Highest Channel / 15MHz+15MHz



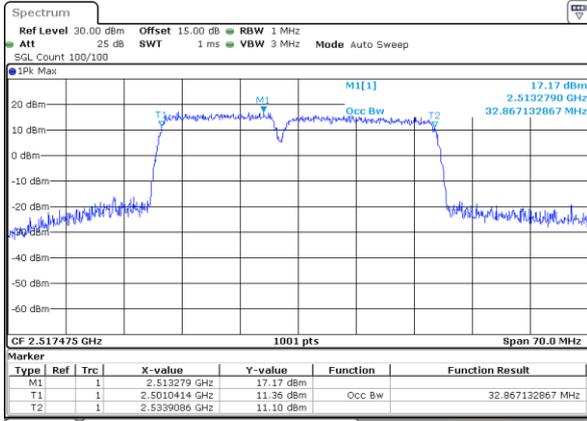
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LTE Band 7C\_CA

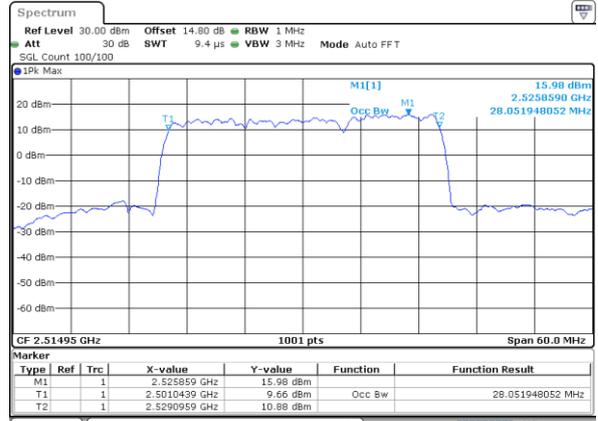
QPSK

Lowest Channel / 15MHz+20MHz



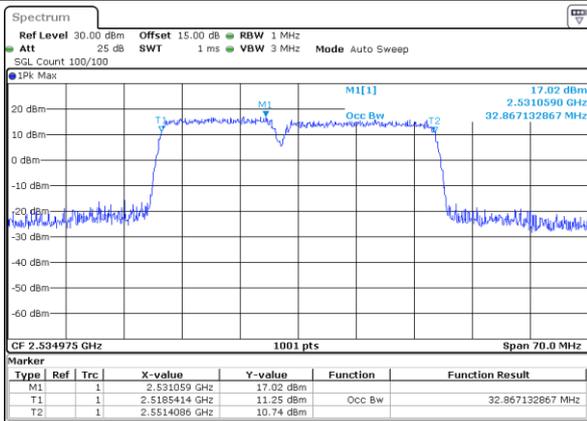
Date: 27 SEP 2021 21:04:18

Lowest Channel / 20MHz+10MHz



Date: 24 SEP 2021 13:13:146

Middle Channel / 15MHz+20MHz



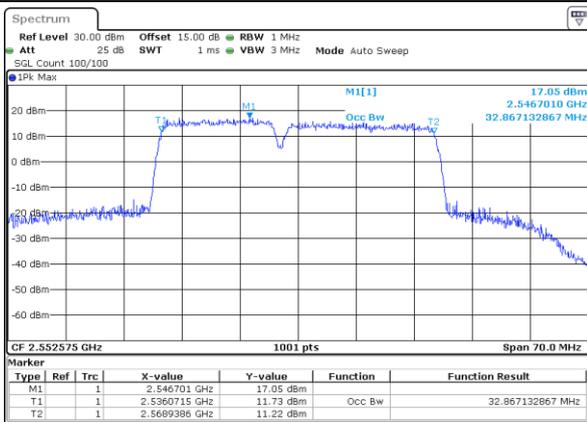
Date: 27 SEP 2021 21:39:27

Middle Channel / 20MHz+10MHz



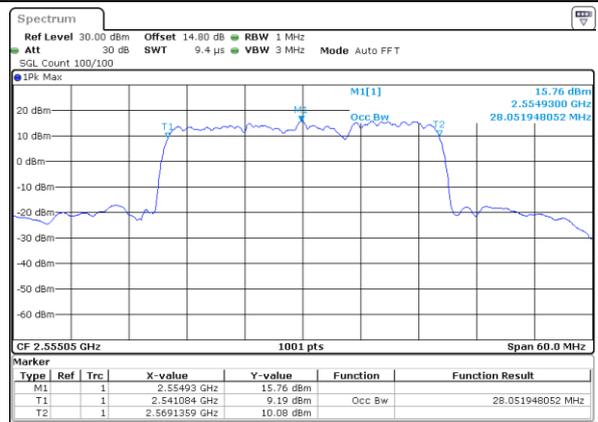
Date: 24 SEP 2021 13:15:6113

Highest Channel / 15MHz+20MHz



Date: 27 SEP 2021 21:46:05

Highest Channel / 20MHz+10MHz



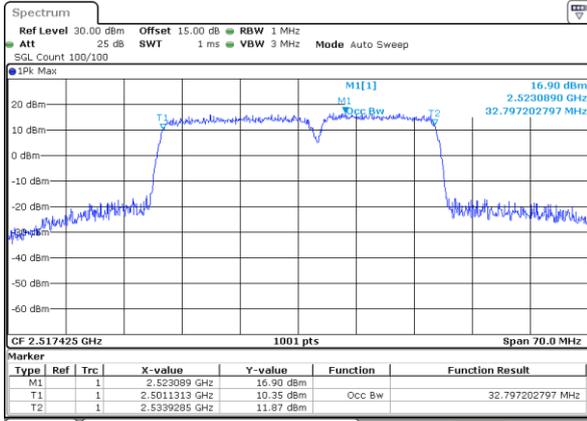
Date: 24 SEP 2021 14:15:133



LTE Band 7C\_CA

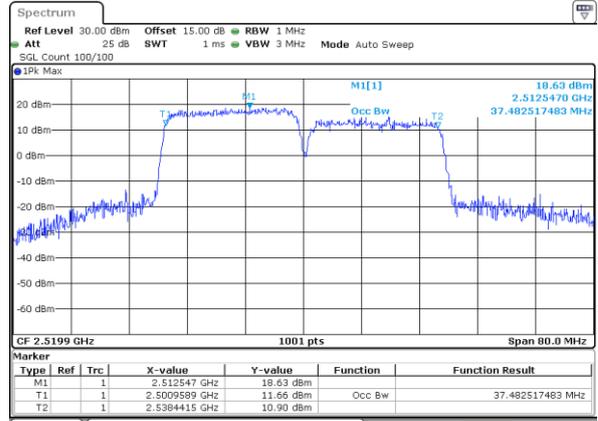
QPSK

Lowest Channel / 20MHz+15MHz



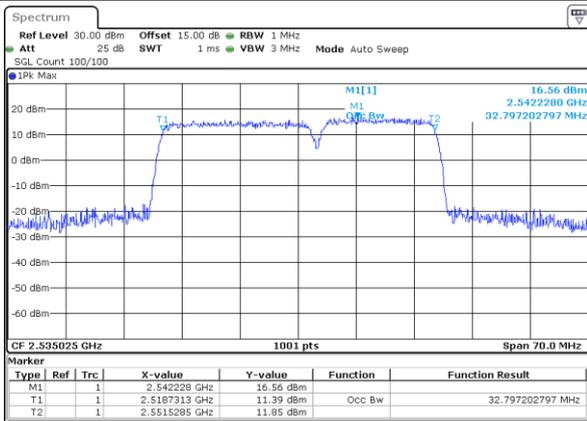
Date: 27 SEP 2021 23:14:55

Lowest Channel / 20MHz+20MHz



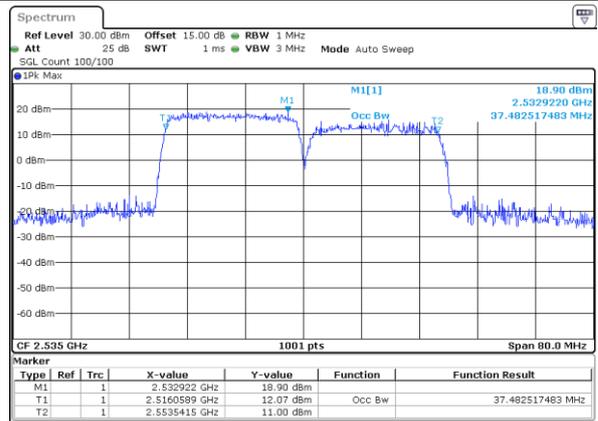
Date: 28 SEP 2021 00:01:24

Middle Channel / 20MHz+15MHz



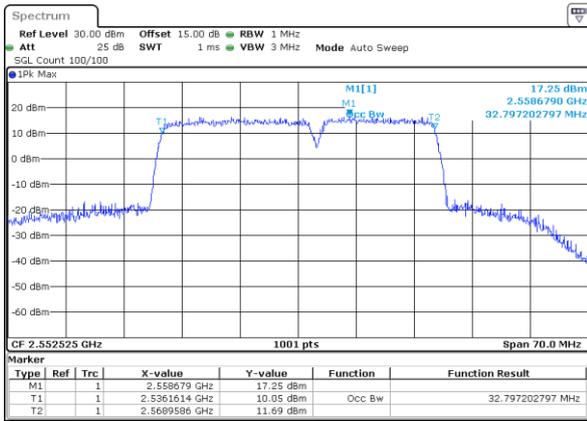
Date: 27 SEP 2021 23:29:15

Middle Channel / 20MHz+20MHz



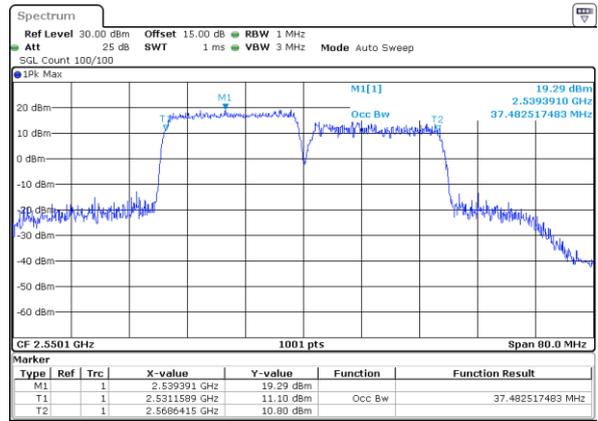
Date: 28 SEP 2021 00:20:06

Highest Channel / 20MHz+15MHz



Date: 27 SEP 2021 23:51:26

Highest Channel / 20MHz+20MHz



Date: 28 SEP 2021 00:24:37

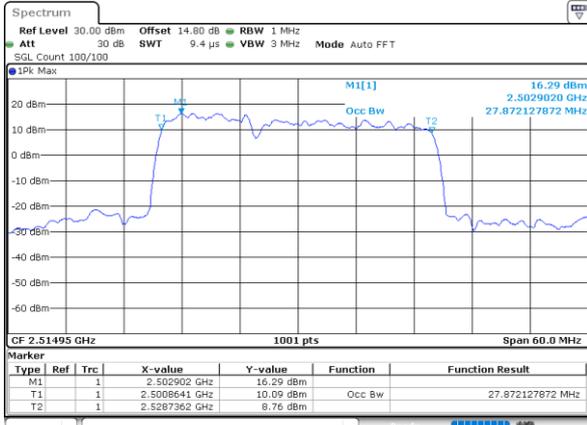


LTE Band 7C\_CA

16QAM

Lowest Channel / 10MHz+20MHz

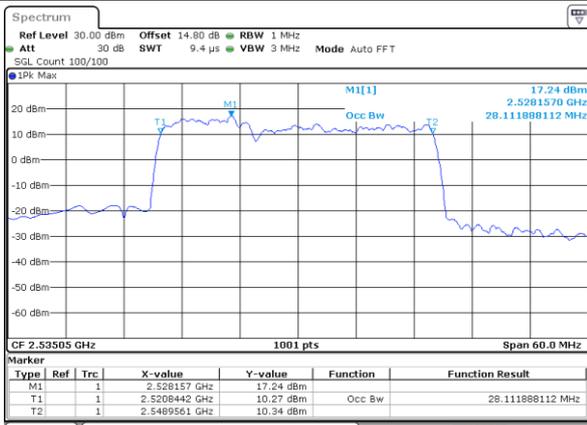
N/A



Date: 24\_SEP\_2021 10:55:59

Middle Channel / 10MHz+20MHz

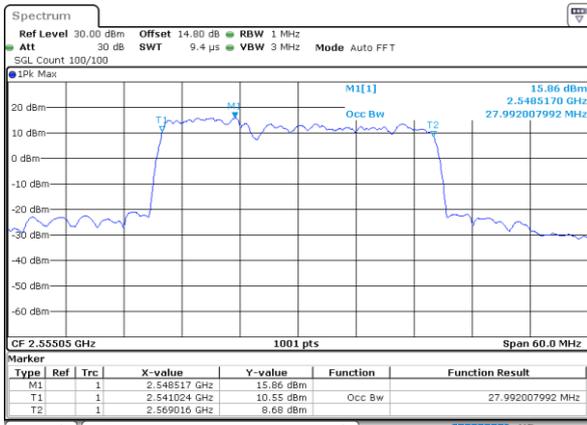
N/A



Date: 24\_SEP\_2021 11:22:41

Highest Channel / 10MHz+20MHz

N/A



Date: 24\_SEP\_2021 11:41:02