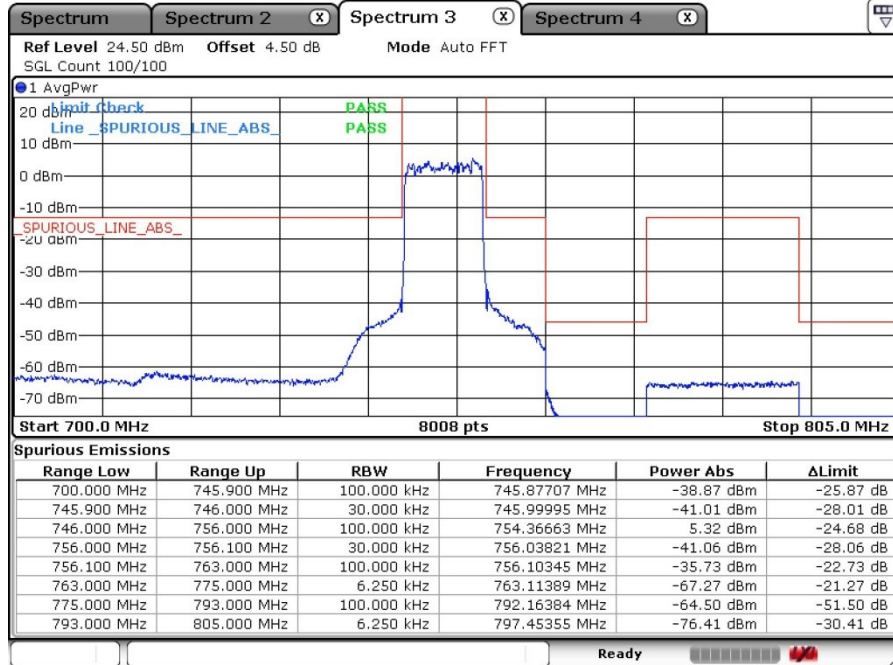
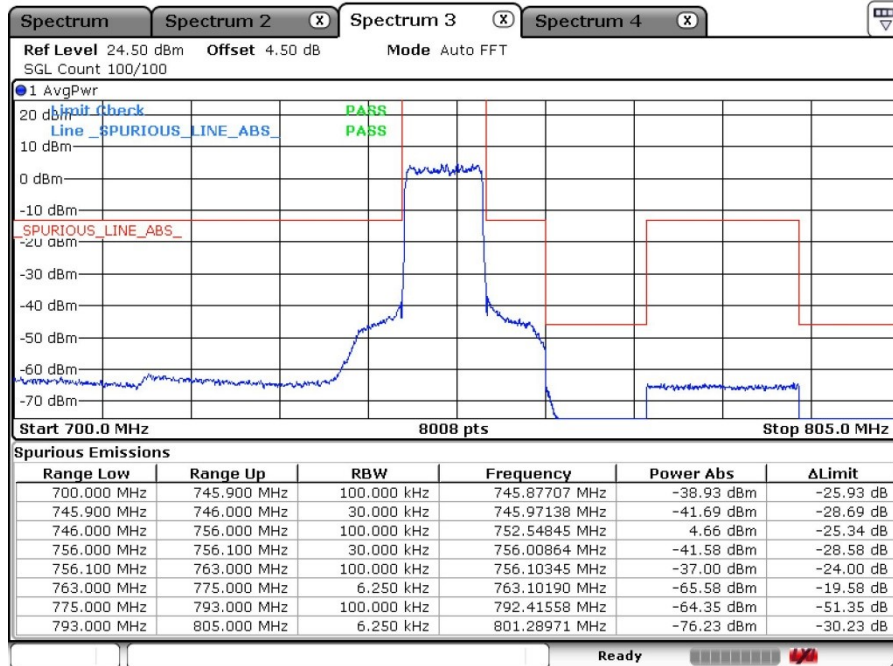


**LTE Band 13 / 10MHz / QPSK****Band Edge / Full RB**

Date: 11.SEP.2020 20:31:32

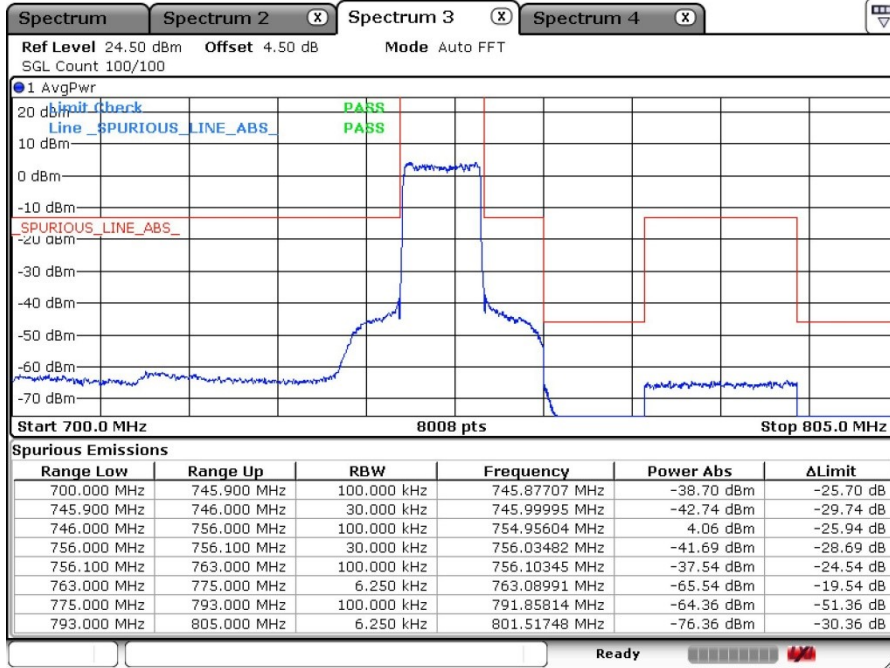
LTE Band 13 / 10MHz / 16QAM**Band Edge / Full RB**

Date: 11.SEP.2020 20:35:02



LTE Band 13 / 10MHz / 64QAM

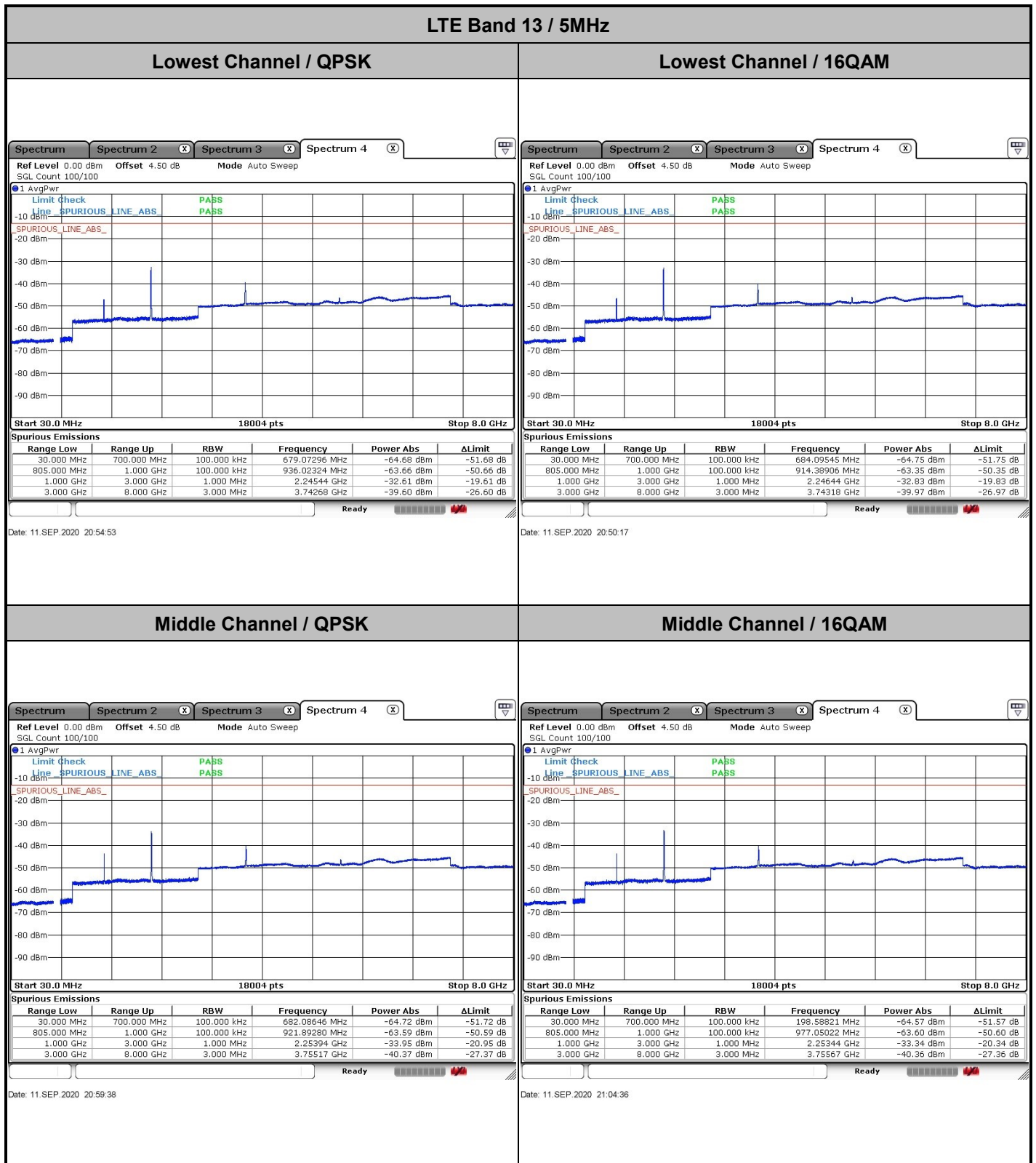
Band Edge / Full RB



Date: 11.SEP.2020 20:39:26



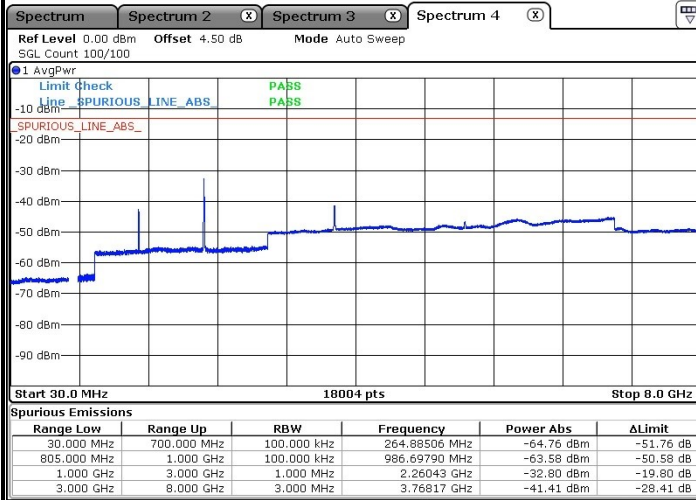
Conducted Spurious Emission





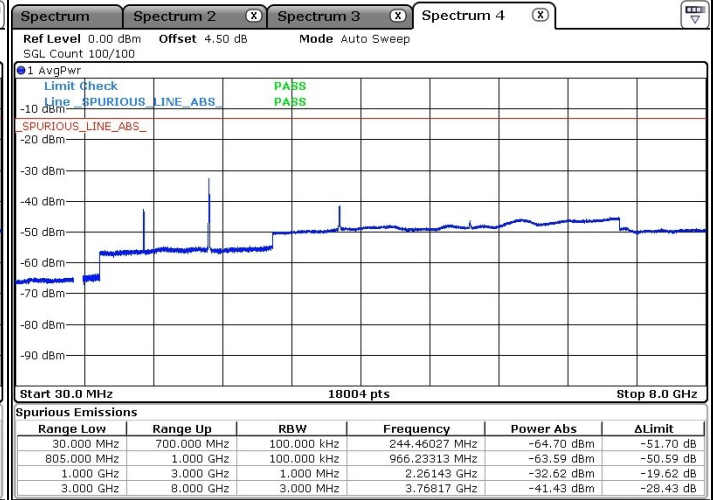
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 11.SEP.2020 21:23:17

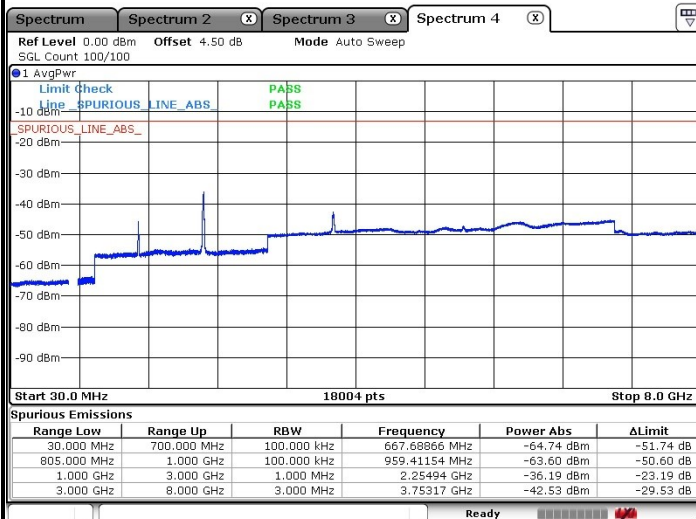
Highest Channel / 16QAM



Date: 11.SEP.2020 21:19:31

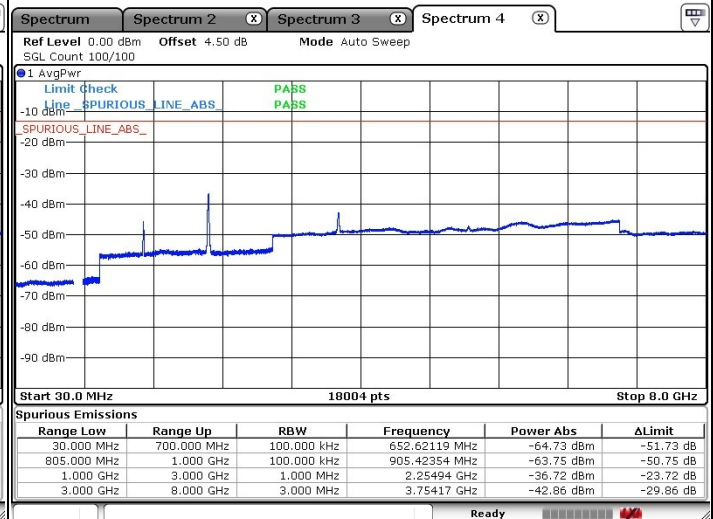
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 11.SEP.2020 20:32:00

Middle Channel / 16QAM

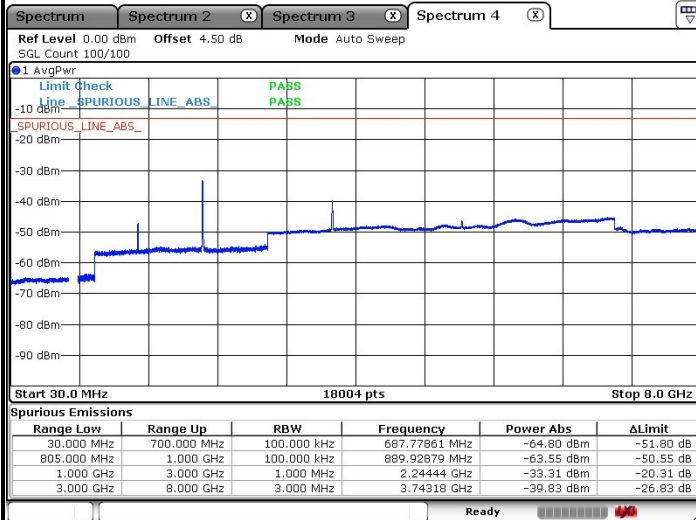


Date: 11.SEP.2020 20:34:33



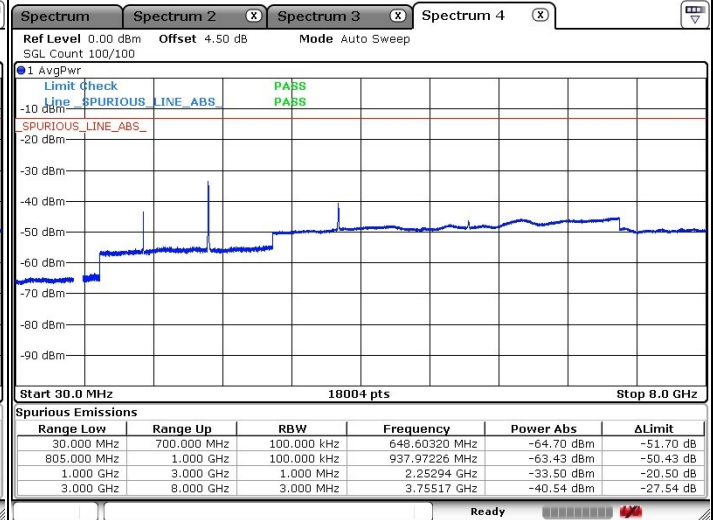
LTE Band 13 / 5MHz

Lowest Channel / 64QAM



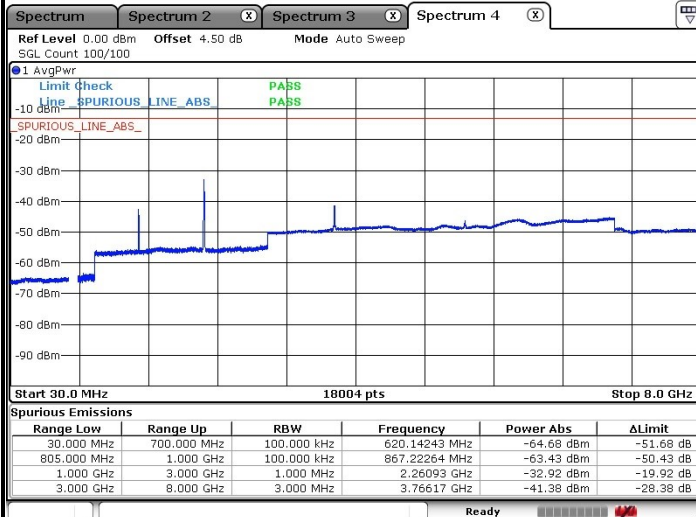
Date: 11.SEP.2020 20:46:15

Middle Channel / 64QAM



Date: 11.SEP.2020 21:08:28

Highest Channel / 64QAM

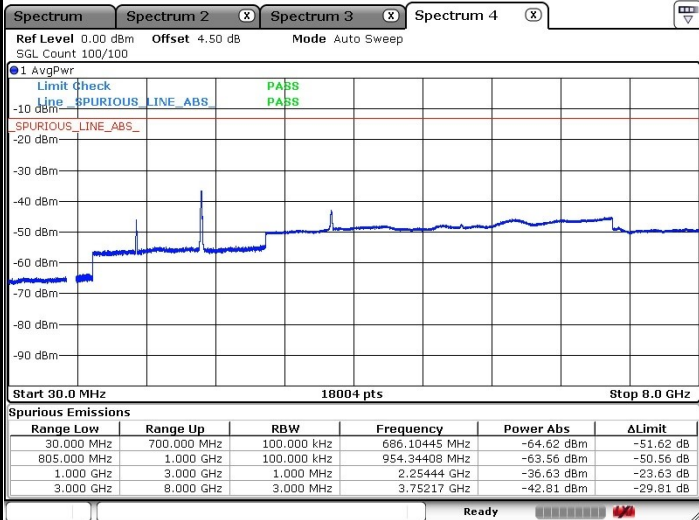


Date: 11.SEP.2020 21:14:15



LTE Band 13 / 10MHz

Middle Channel / 64QAM



Date: 11 SEP. 2020 20:40:01

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0041	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0065	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0068	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0042	

Note:

1. Normal Voltage =12V. ; Battery End Point (BEP) =10.5V. ; Maximum Voltage =13.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66 MIMO<Ant.1>

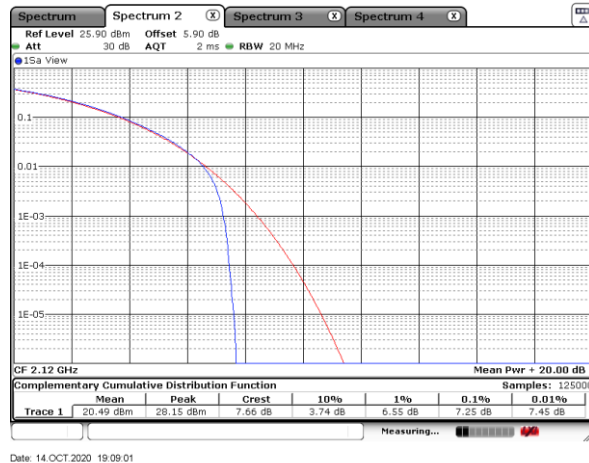
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Lowest CH	7.25	7.54	PASS
Middle CH	7.68	7.51	
Highest CH	6.17	7.51	
Mode	LTE Band 66 / 20MHz		
Mod.	64QAM	-	Limit: 13dB
RB Size	Full RB	-	Result
Lowest CH	7.54	-	PASS
Middle CH	7.54	-	
Highest CH	7.42	-	

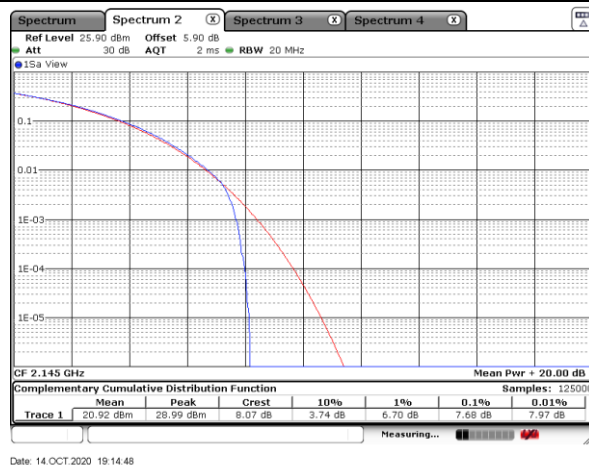


LTE Band 66 / 20MHz / QPSK

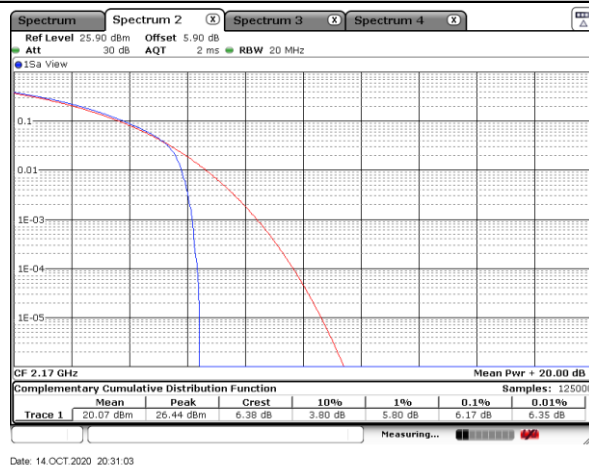
Lowest Channel / Full RB

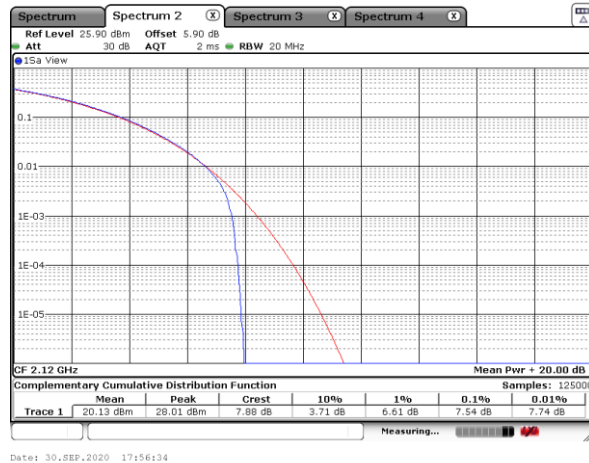
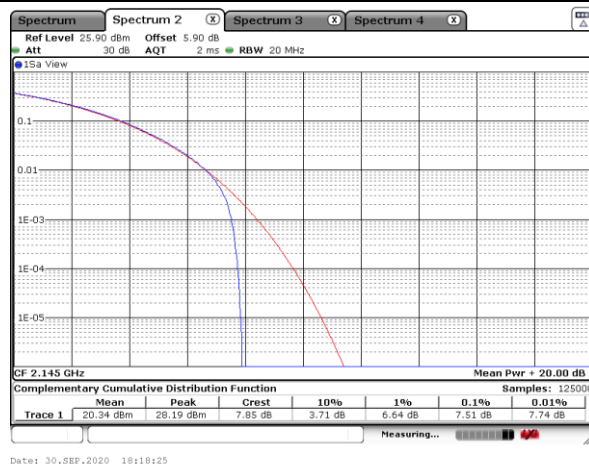
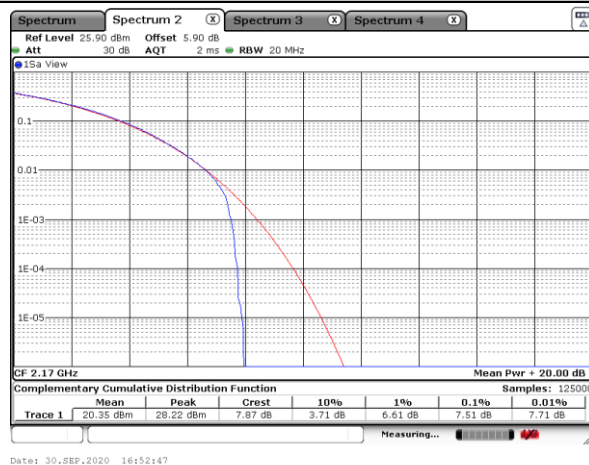


Middle Channel / Full RB



Highest Channel / Full RB

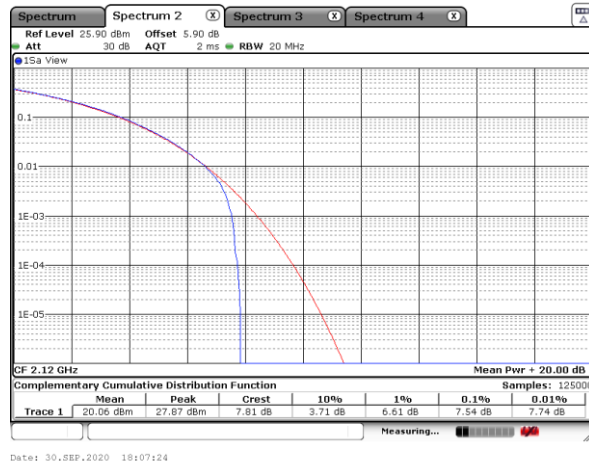


LTE Band 66 / 20MHz / 16QAM
Lowest Channel / Full RB

Middle Channel / Full RB

Highest Channel / Full RB


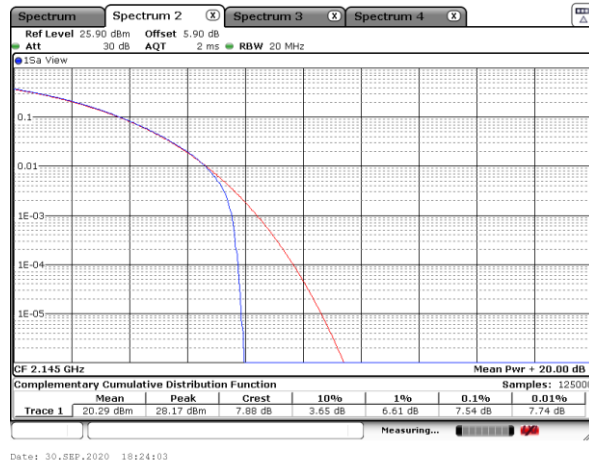


LTE Band 66 / 20MHz / 64QAM

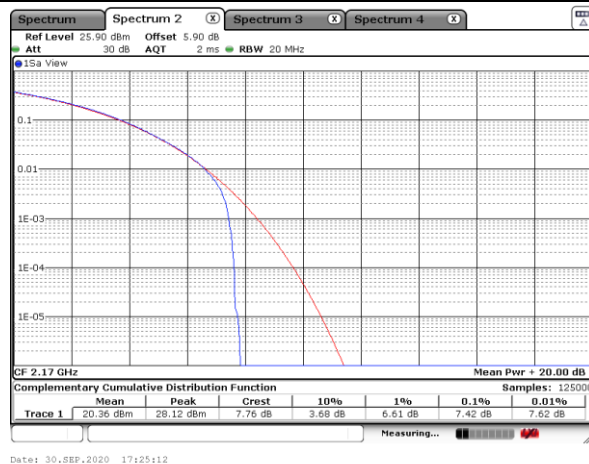
Lowest Channel / Full RB



Middle Channel / Full RB



Highest Channel / Full RB



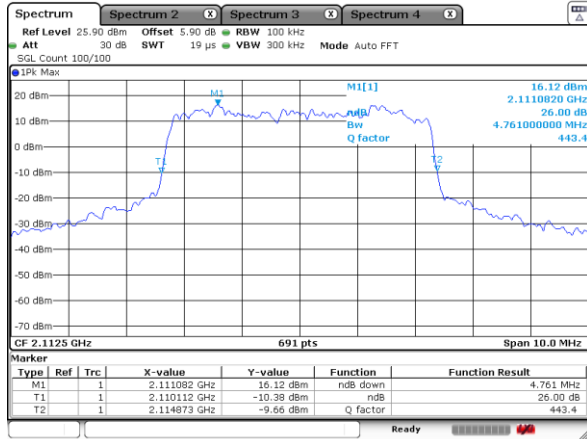
**26dB Bandwidth**

Mode	LTE Band 66 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.76	4.73	9.67	9.64	14.20	14.20	20.67	20.09
Middle CH	4.75	4.76	9.70	9.73	14.24	14.28	20.43	20.20
Highest CH	4.72	4.72	9.73	9.73	14.20	14.24	20.09	20.32
Mode	LTE Band 66 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM	
Lowest CH	4.81		9.73		14.29		20.15	
Middle CH	4.78		9.67		14.11		20.26	
Highest CH	4.75		9.70		14.15		20.20	



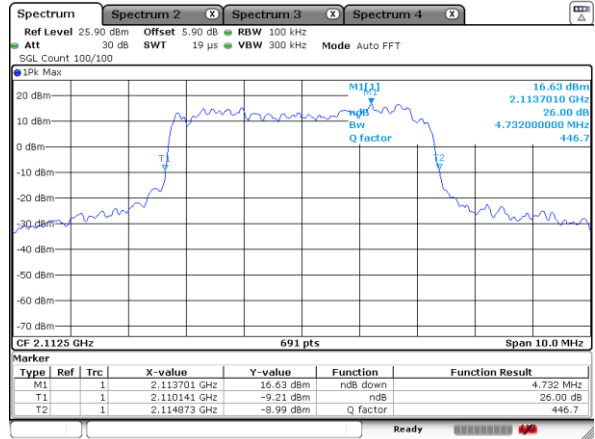
LTE Band 66

Lowest Channel / 5MHz / QPSK



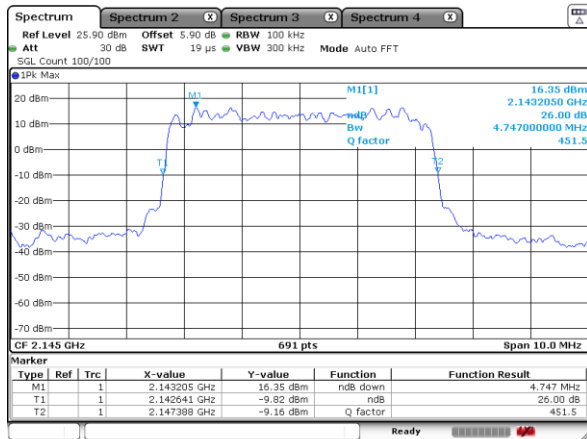
Date: 30,SEP,2020 11:09:00

Lowest Channel / 5MHz / 16QAM



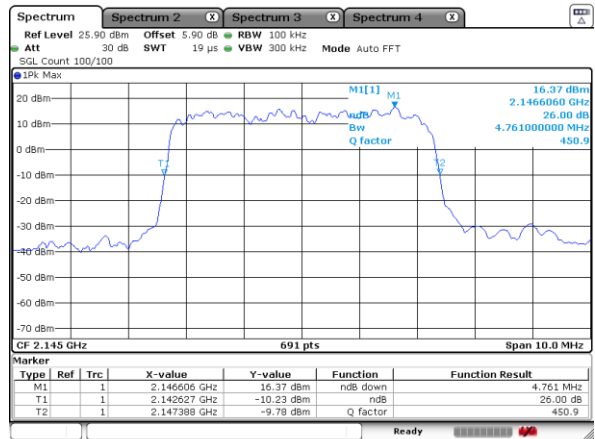
Date: 30,SEP,2020 11:15:16

Middle Channel / 5MHz / QPSK



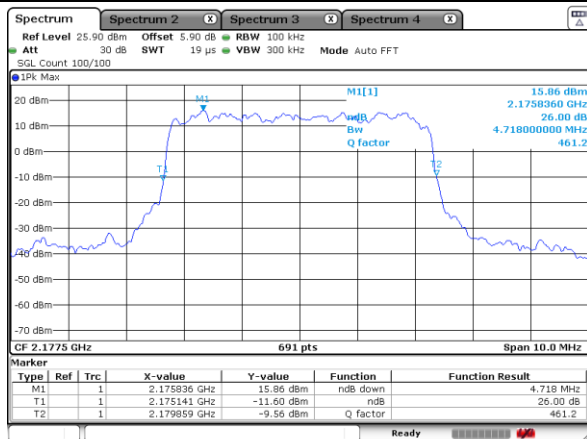
Date: 30,SEP,2020 13:16:35

Middle Channel / 5MHz / 16QAM



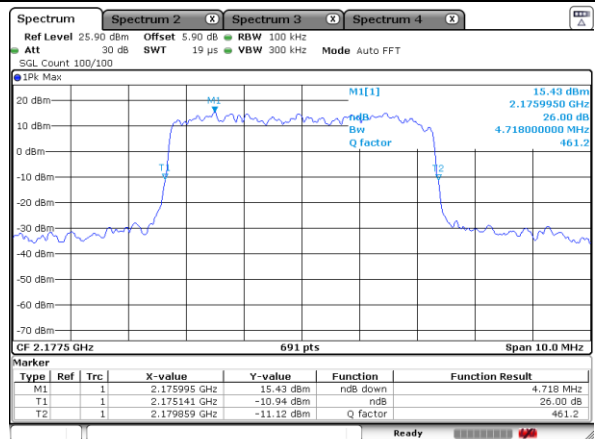
Date: 30,SEP,2020 11:57:20

Highest Channel / 5MHz / QPSK



Date: 30,SEP,2020 13:22:45

Highest Channel / 5MHz / 16QAM

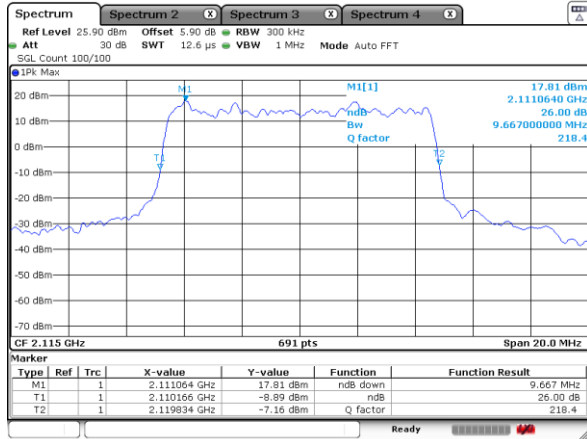


Date: 30,SEP,2020 13:28:00



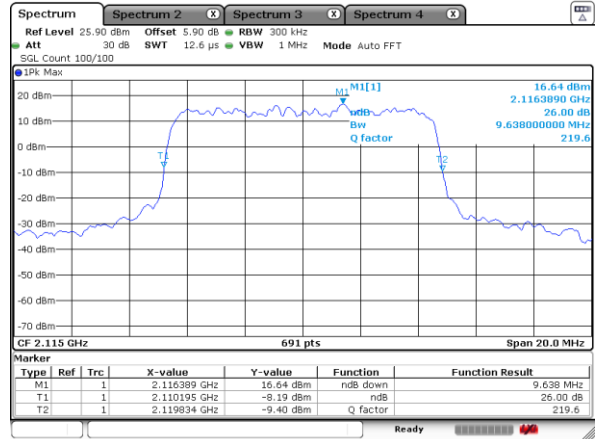
LTE Band 66

Lowest Channel / 10MHz / QPSK



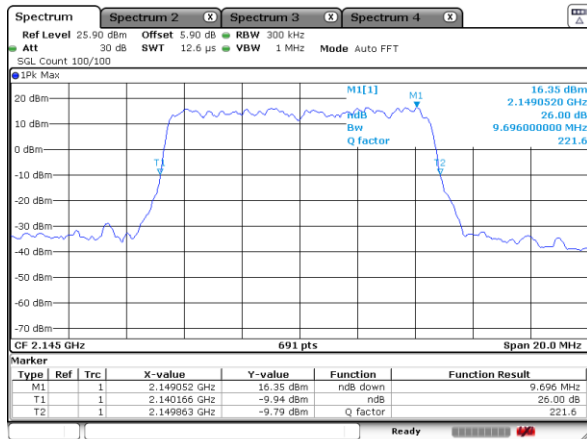
Date: 30,SEP,2020 14:09:03

Lowest Channel / 10MHz / 16QAM



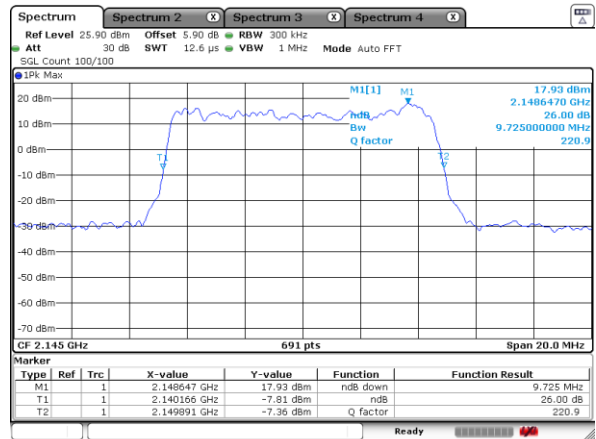
Date: 30,SEP,2020 14:12:47

Middle Channel / 10MHz / QPSK



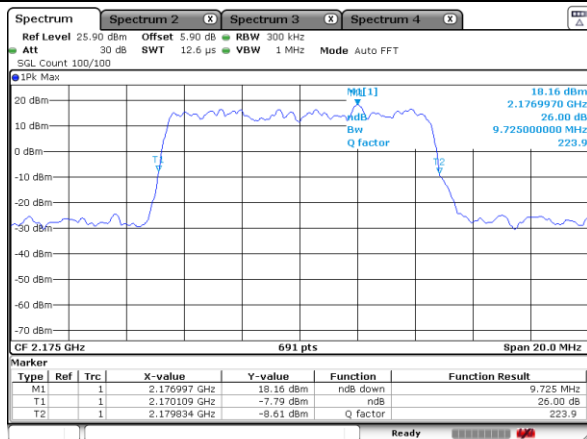
Date: 30,SEP,2020 14:43:15

Middle Channel / 10MHz / 16QAM



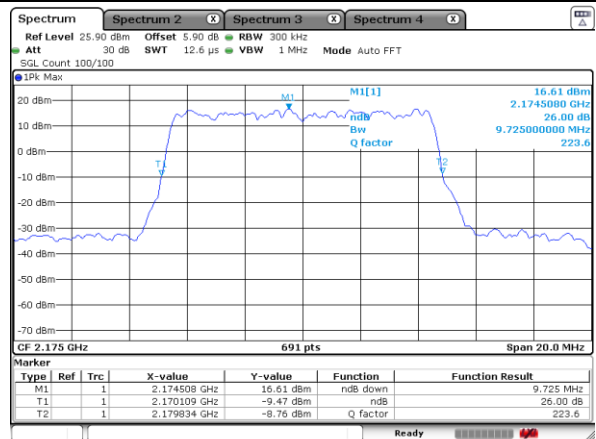
Date: 30,SEP,2020 14:47:28

Highest Channel / 10MHz / QPSK



Date: 30,SEP,2020 15:12:35

Highest Channel / 10MHz / 16QAM

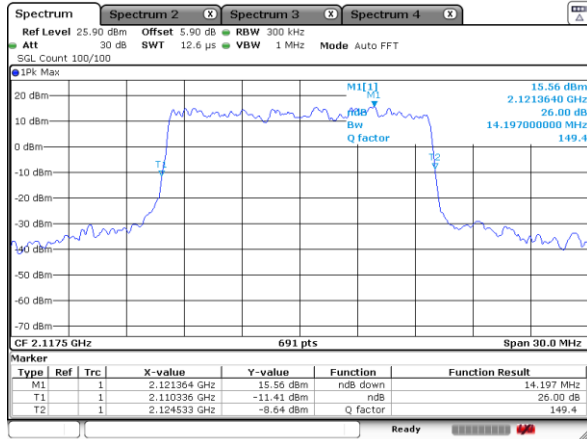


Date: 30,SEP,2020 15:08:33



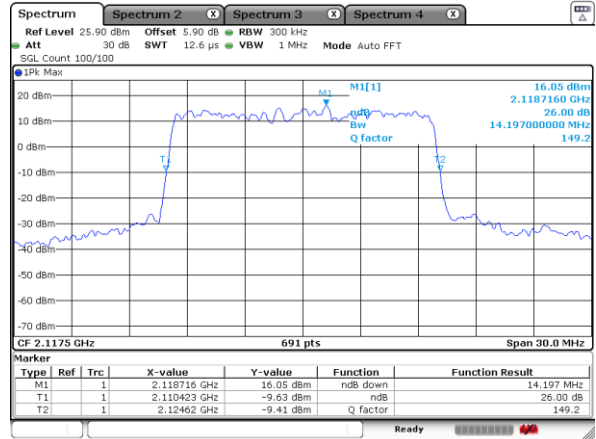
LTE Band 66

Lowest Channel / 15MHz / QPSK



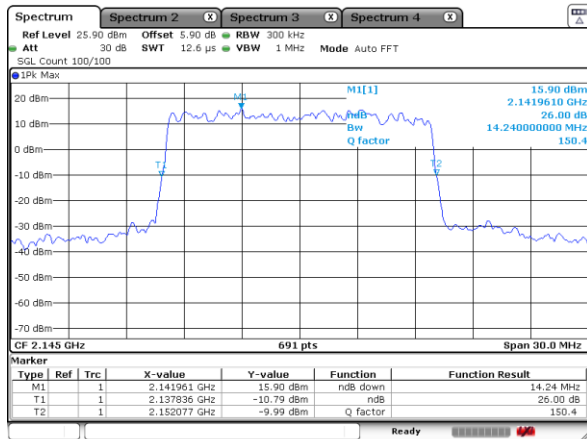
Date: 30,SEP,2020 15:27:44

Lowest Channel / 15MHz / 16QAM



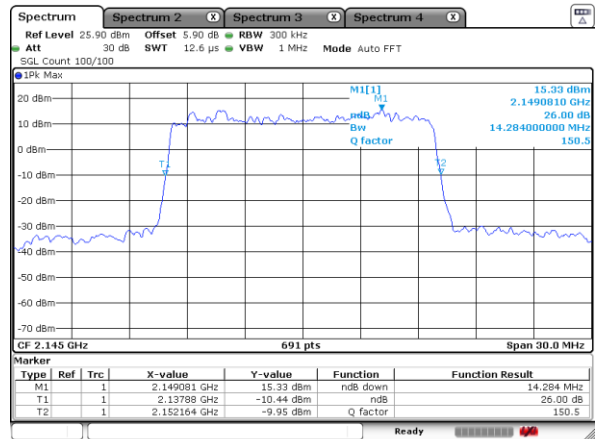
Date: 30,SEP,2020 15:13:11

Middle Channel / 15MHz / QPSK



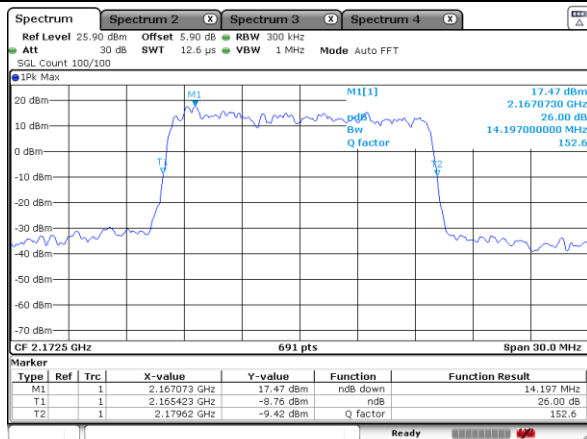
Date: 30,SEP,2020 15:47:45

Middle Channel / 15MHz / 16QAM



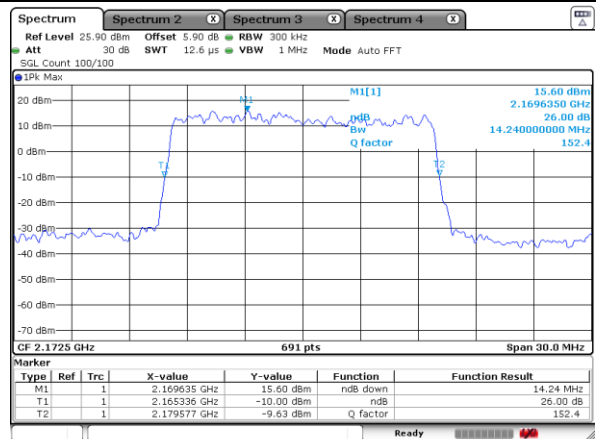
Date: 30,SEP,2020 15:53:01

Highest Channel / 15MHz / QPSK



Date: 30,SEP,2020 16:14:57

Highest Channel / 15MHz / 16QAM

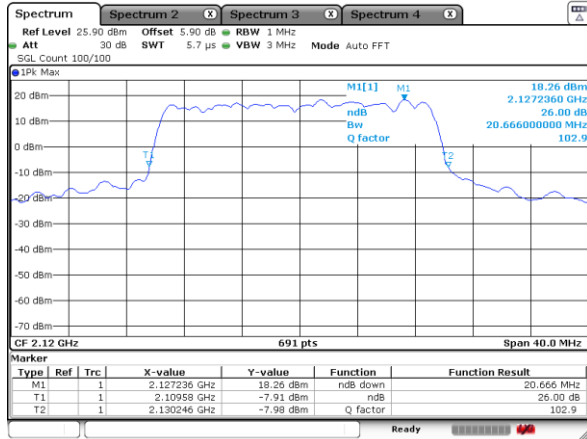


Date: 30,SEP,2020 16:22:45



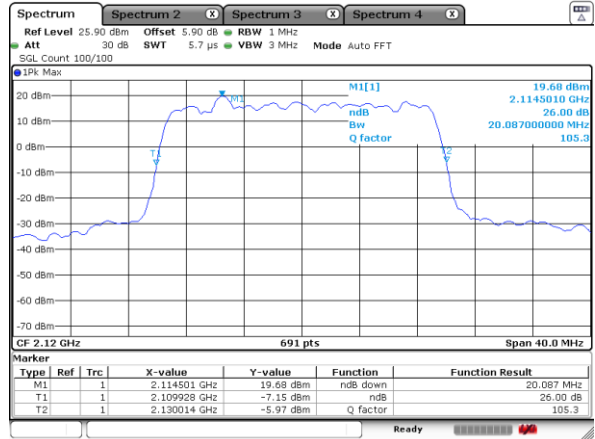
LTE Band 66

Lowest Channel / 20MHz / QPSK



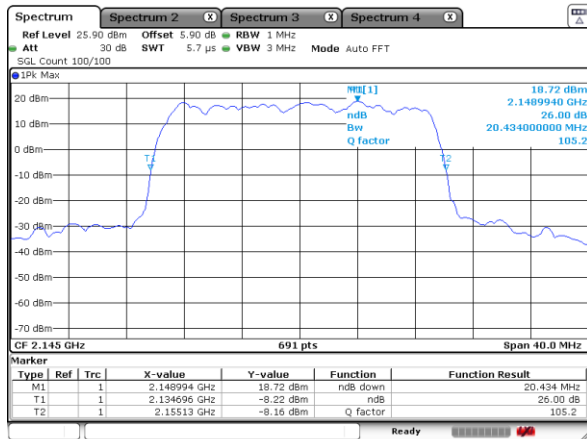
Date: 14.OCT.2020 19:03:27

Lowest Channel / 20MHz / 16QAM



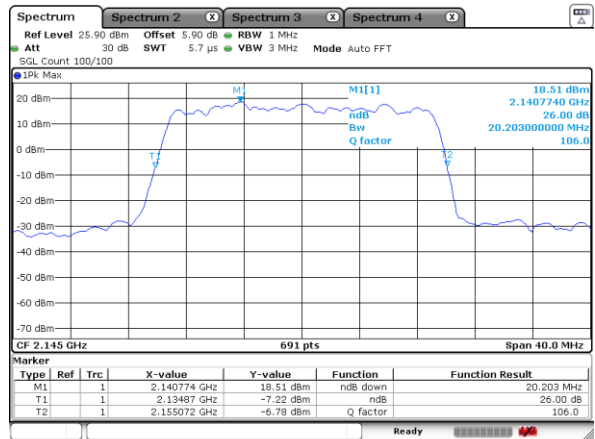
Date: 30.SEP.2020 17:53:21

Middle Channel / 20MHz / QPSK



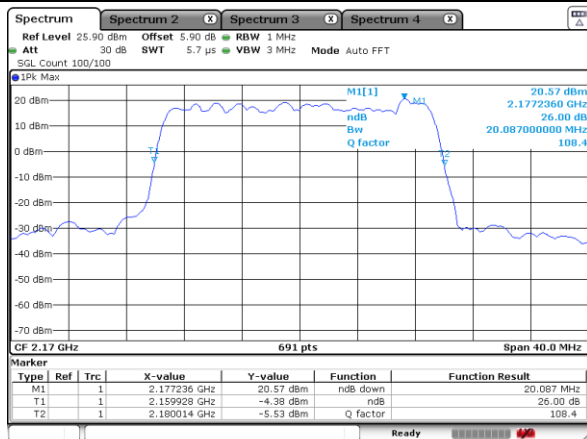
Date: 14.OCT.2020 19:15:23

Middle Channel / 20MHz / 16QAM



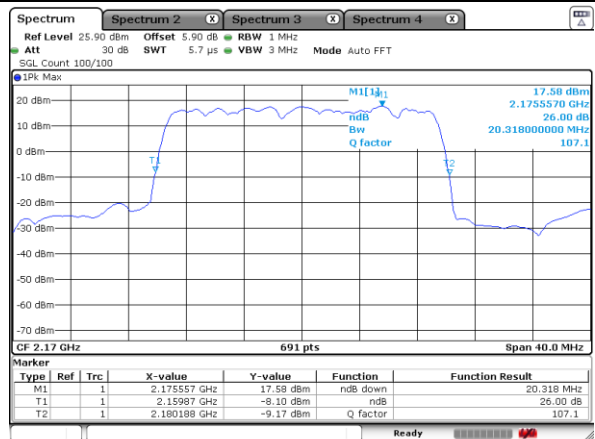
Date: 30.SEP.2020 18:10:48

Highest Channel / 20MHz / QPSK



Date: 14.OCT.2020 21:16:45

Highest Channel / 20MHz / 16QAM

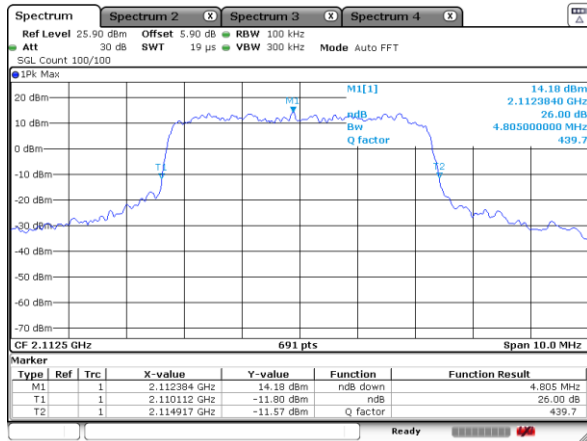


Date: 30.SEP.2020 17:54:35



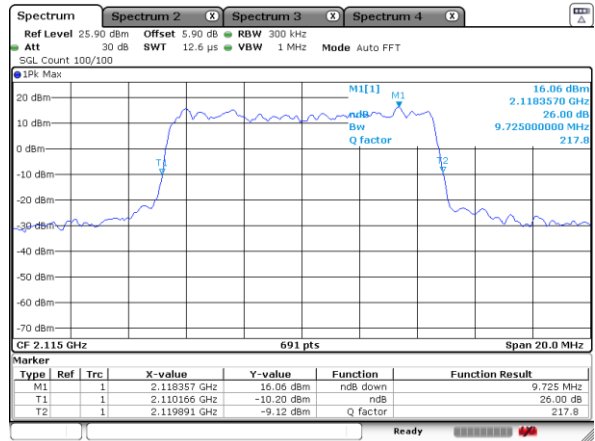
LTE Band 66

Lowest Channel / 5MHz / 64QAM



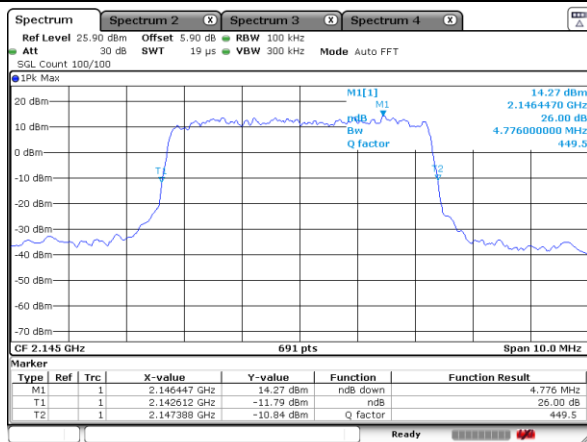
Date: 30.SEP.2020 11:26:56

Lowest Channel / 10MHz / 64QAM



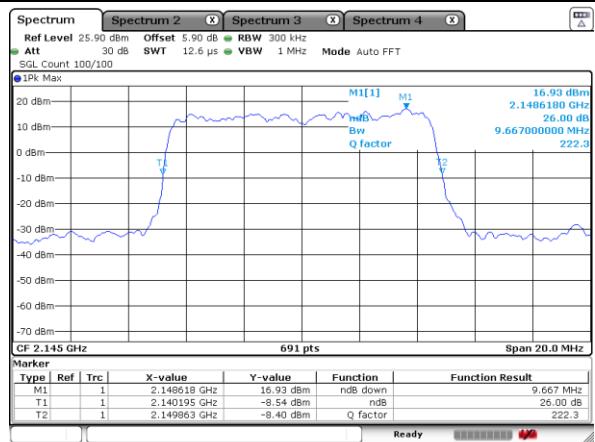
Date: 30.SEP.2020 14:13:12

Middle Channel / 5MHz / 64QAM



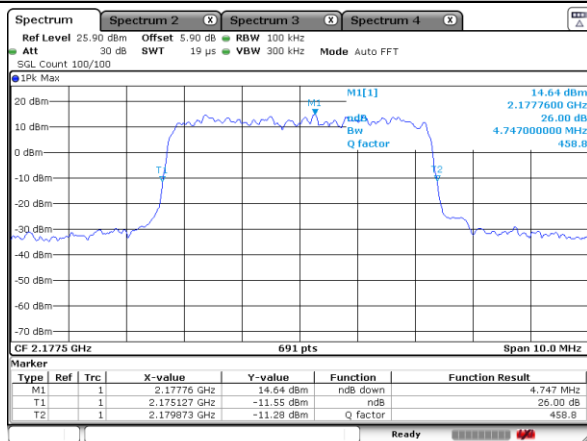
Date: 30.SEP.2020 11:47:01

Middle Channel / 10MHz / 64QAM



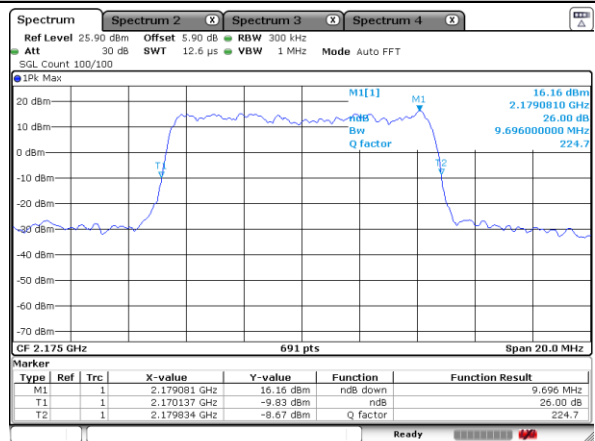
Date: 30.SEP.2020 14:53:41

Highest Channel / 5MHz / 64QAM



Date: 30.SEP.2020 13:37:10

Highest Channel / 10MHz / 64QAM

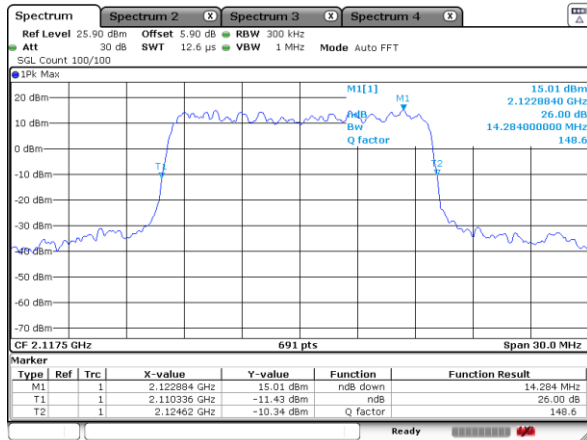


Date: 30.SEP.2020 14:58:25



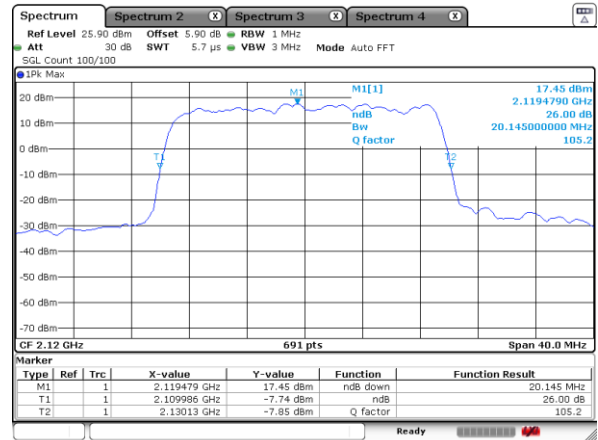
LTE Band 66

Lowest Channel / 15MHz / 64QAM



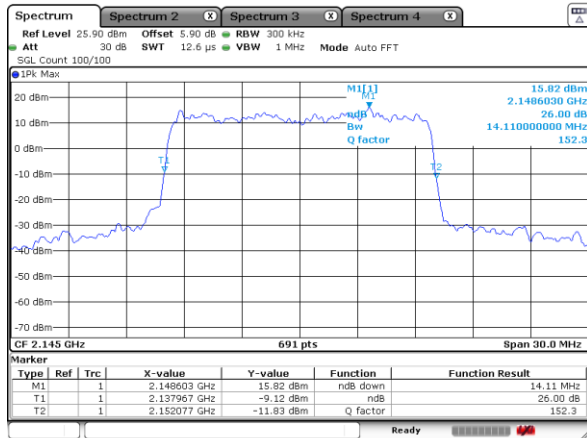
Date: 30,SEP,2020 15:43:17

Lowest Channel / 20MHz / 64QAM



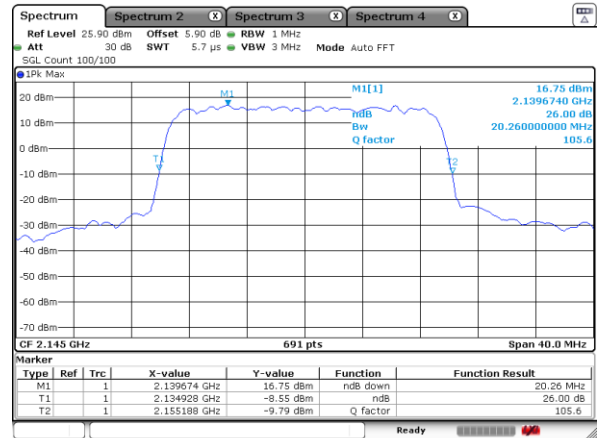
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Middle Channel / 15MHz / 64QAM



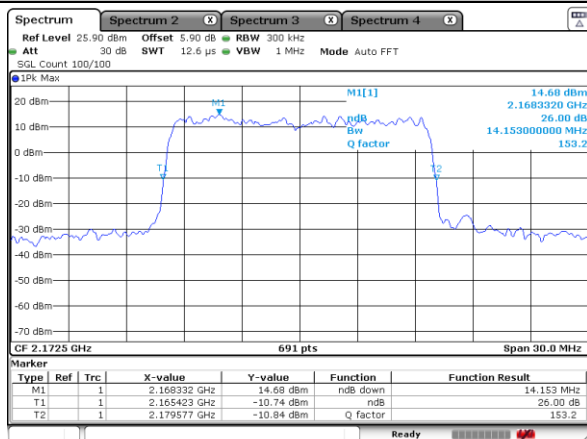
Date: 30,SEP,2020 15:56:55

Middle Channel / 20MHz / 64QAM



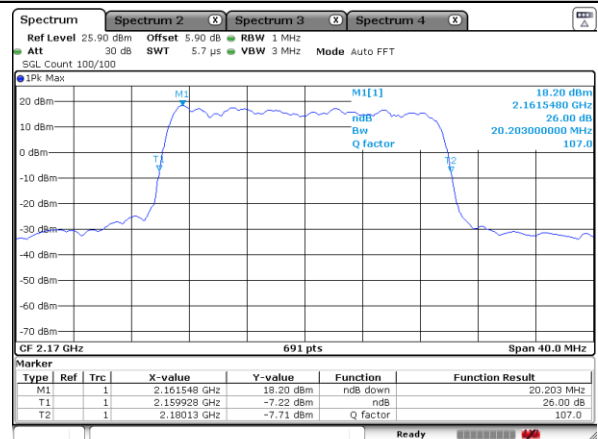
Date: 30,SEP,2020 18:22:13

Highest Channel / 15MHz / 64QAM



Date: 30,SEP,2020 16:06:03

Highest Channel / 20MHz / 64QAM



Date: 30,SEP,2020 17:28:38

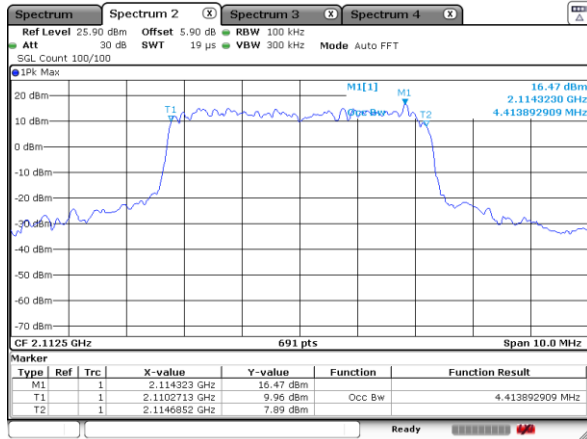
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.41	4.46	9.00	9.03	13.42	13.42	18.58	18.35
Middle CH	4.44	4.44	9.06	9.06	13.29	13.42	18.70	18.35
Highest CH	4.44	4.44	9.03	9.00	13.42	13.37	19.39	18.41
Mode	LTE Band 66 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM	
Lowest CH	4.43		9.03		13.42		18.29	
Middle CH	4.44		9.03		13.29		18.46	
Highest CH	4.44		8.97		13.33		18.29	



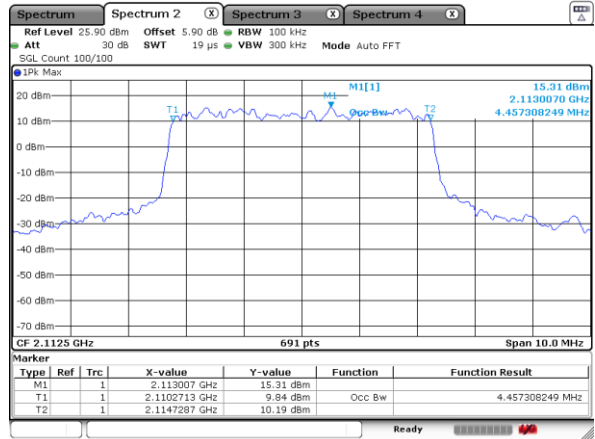
LTE Band 66

Lowest Channel / 5MHz / QPSK



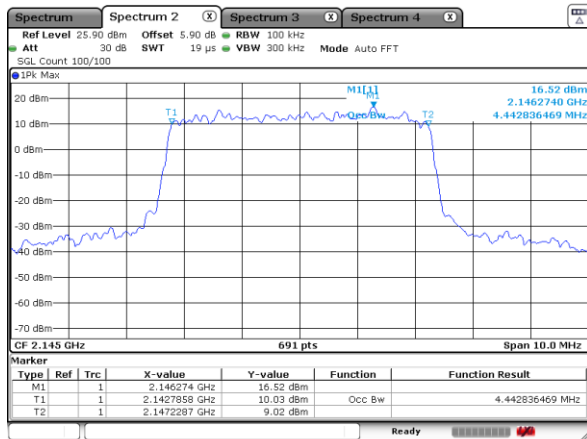
Date: 30.SEP.2020 11:08:22

Lowest Channel / 5MHz / 16QAM



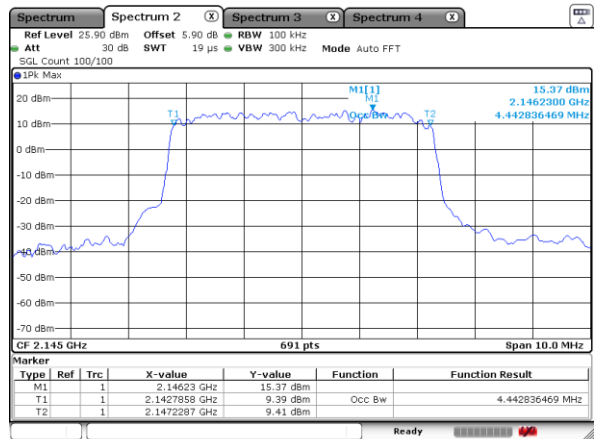
Date: 30.SEP.2020 11:15:51

Middle Channel / 5MHz / QPSK



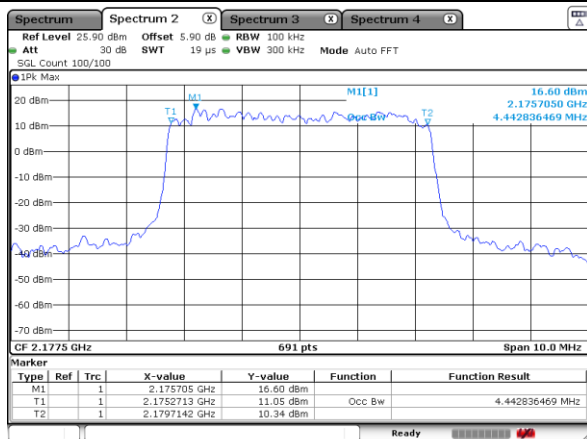
Date: 30.SEP.2020 13:11:04

Middle Channel / 5MHz / 16QAM



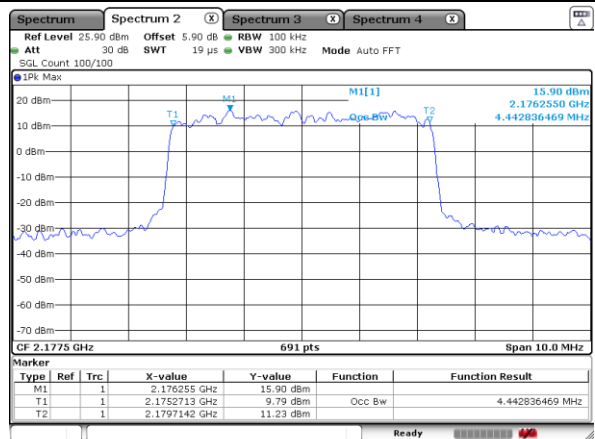
Date: 30.SEP.2020 11:56:52

Highest Channel / 5MHz / QPSK



Date: 30.SEP.2020 13:23:13

Highest Channel / 5MHz / 16QAM

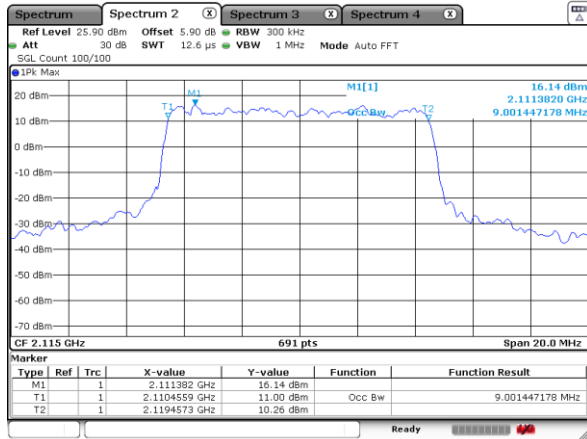


Date: 30.SEP.2020 13:28:21



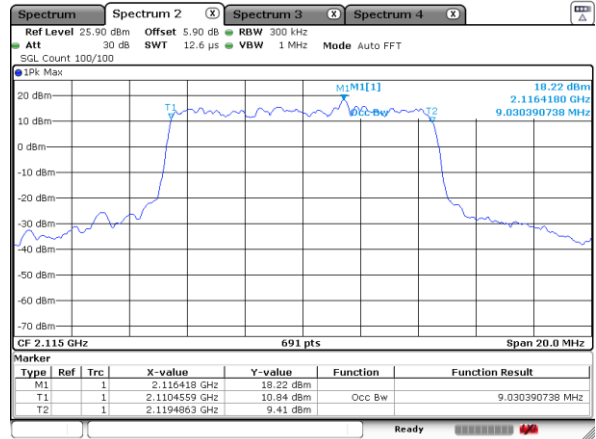
LTE Band 66

Lowest Channel / 10MHz / QPSK



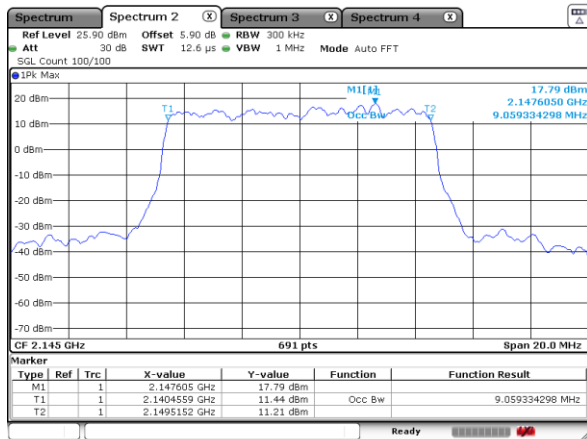
Date: 30,SEP,2020 14:09:22

Lowest Channel / 10MHz / 16QAM



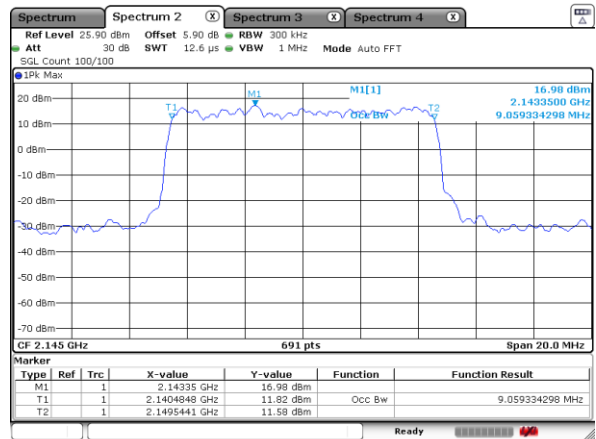
Date: 30,SEP,2020 14:27:05

Middle Channel / 10MHz / QPSK



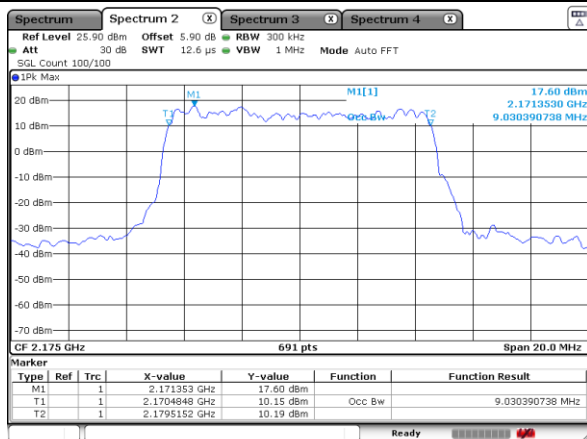
Date: 30,SEP,2020 14:43:06

Middle Channel / 10MHz / 16QAM



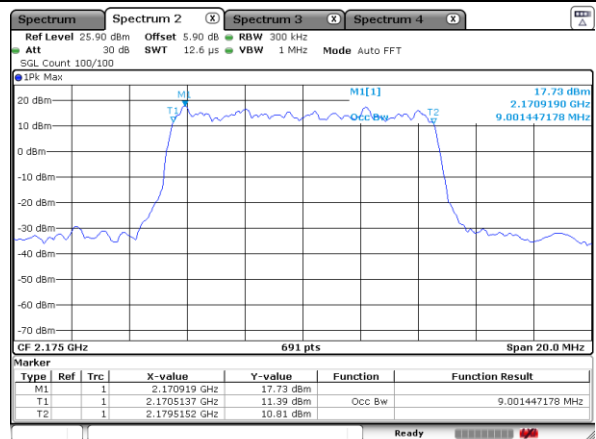
Date: 30,SEP,2020 14:47:10

Highest Channel / 10MHz / QPSK



Date: 30,SEP,2020 15:13:13

Highest Channel / 10MHz / 16QAM

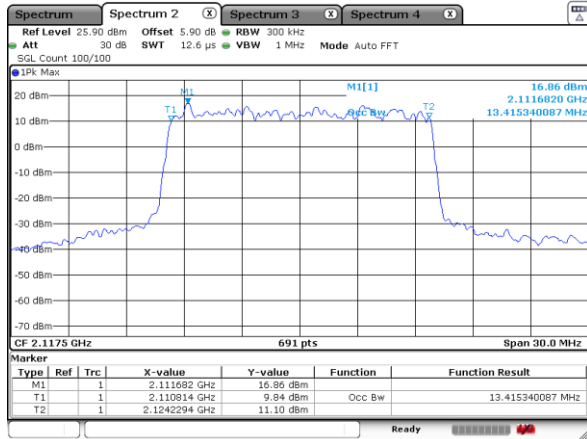


Date: 30,SEP,2020 15:07:55



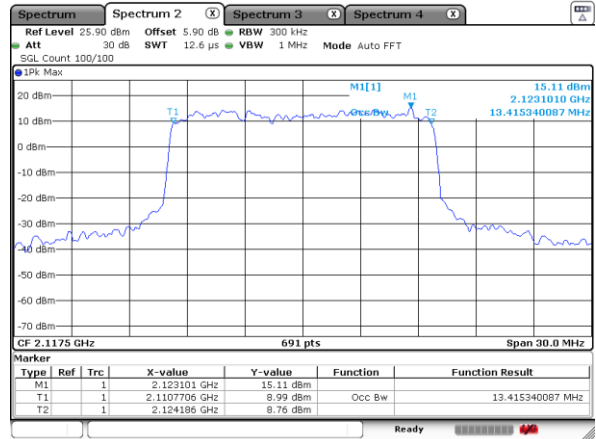
LTE Band 66

Lowest Channel / 15MHz / QPSK



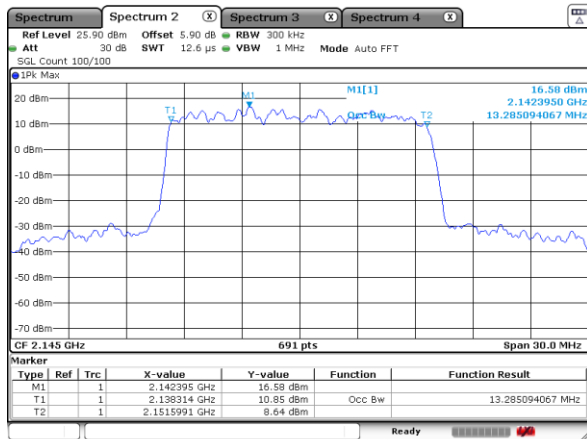
Date: 30,SEP,2020 15:28:07

Lowest Channel / 15MHz / 16QAM



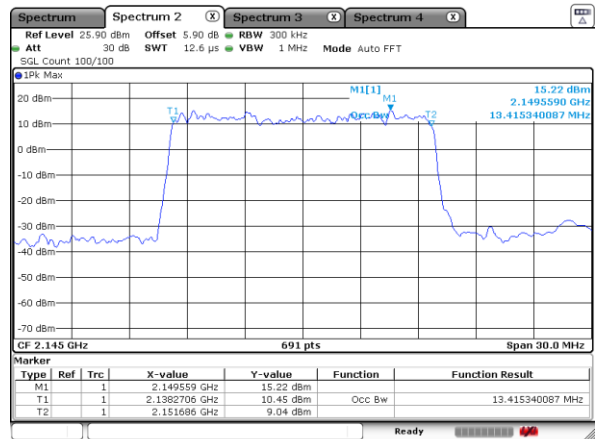
Date: 30,SEP,2020 15:16:126

Middle Channel / 15MHz / QPSK



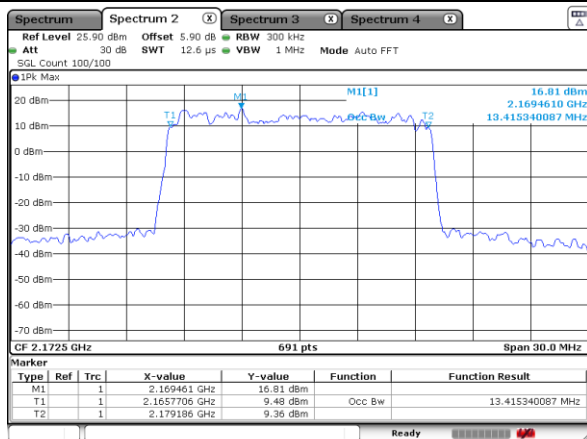
Date: 30,SEP,2020 15:47:30

Middle Channel / 15MHz / 16QAM



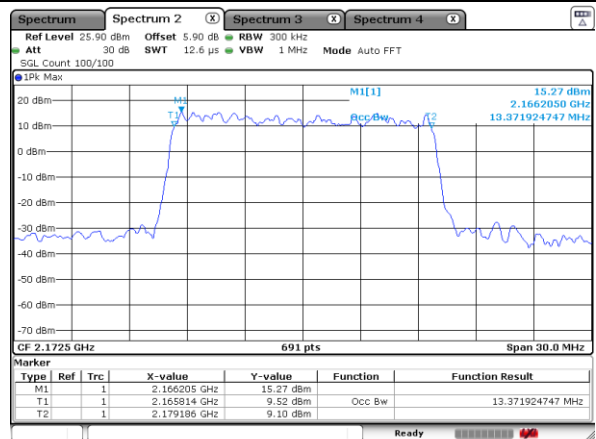
Date: 30,SEP,2020 15:53:120

Highest Channel / 15MHz / QPSK



Date: 30,SEP,2020 16:15:36

Highest Channel / 15MHz / 16QAM



Date: 30,SEP,2020 16:23:03