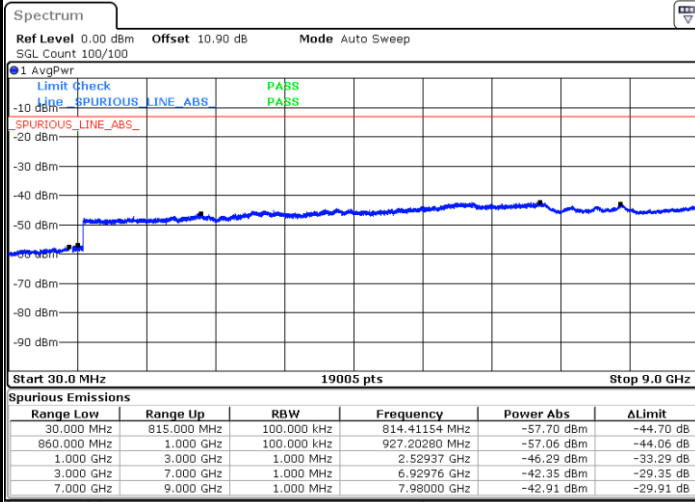




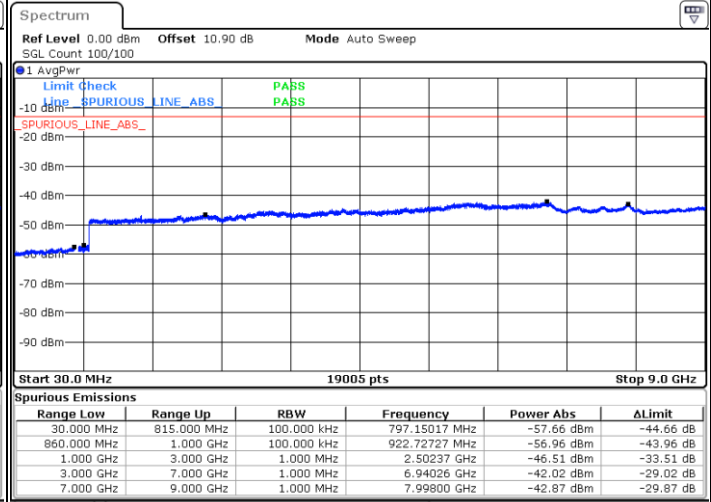
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

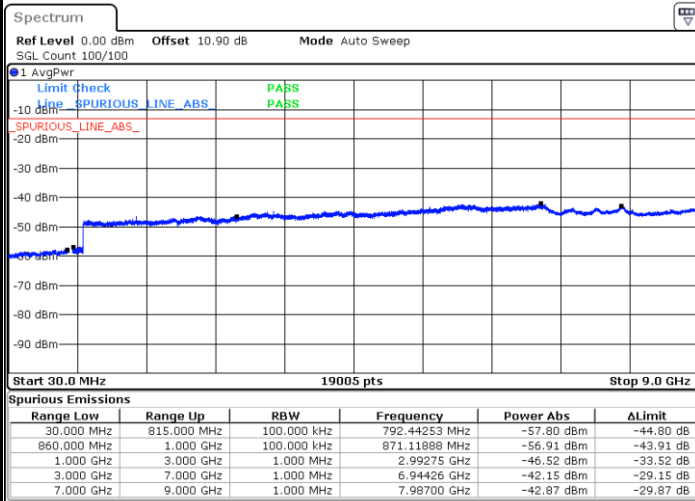


Date: 23.SEP.2020 16:08:28



Date: 23.SEP.2020 16:09:31

Highest Channel / 64QAM



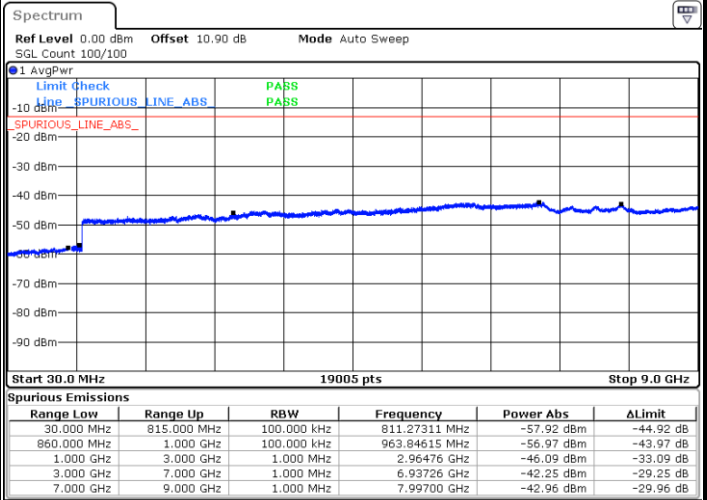
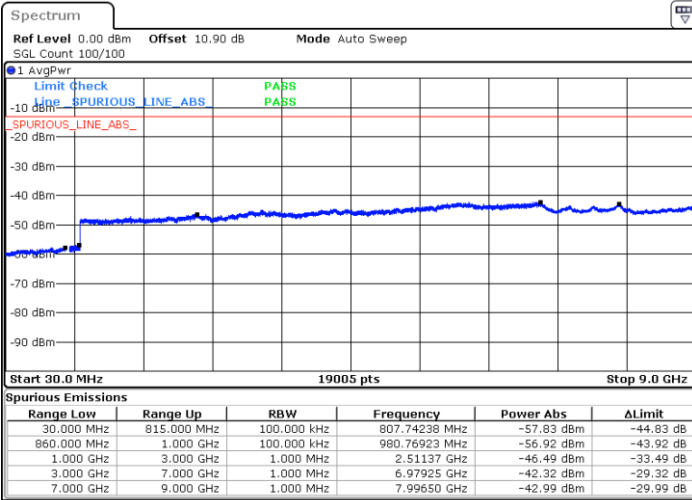
Date: 23.SEP.2020 16:12:25



LTE Band 26 / 5MHz

Lowest Channel / 64QAM

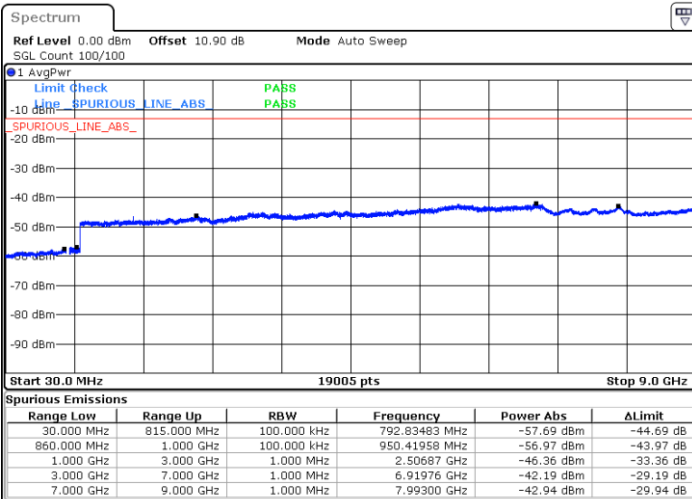
Middle Channel / 64QAM



Date: 23.SEP.2020 16:40:03

Date: 23.SEP.2020 16:41:06

Highest Channel / 64QAM



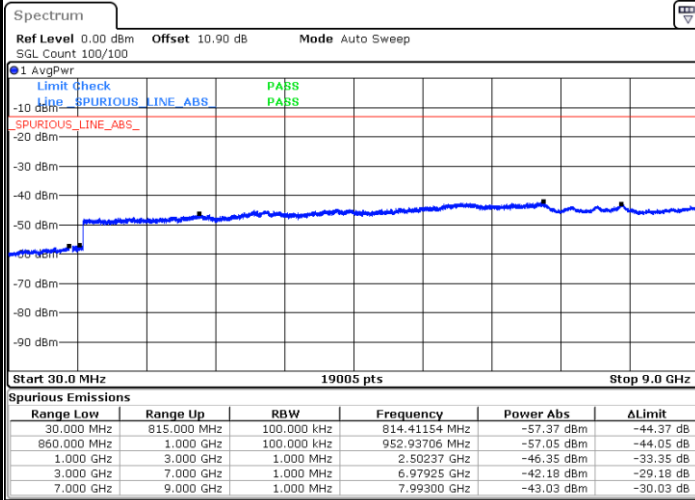
Date: 23.SEP.2020 16:43:32



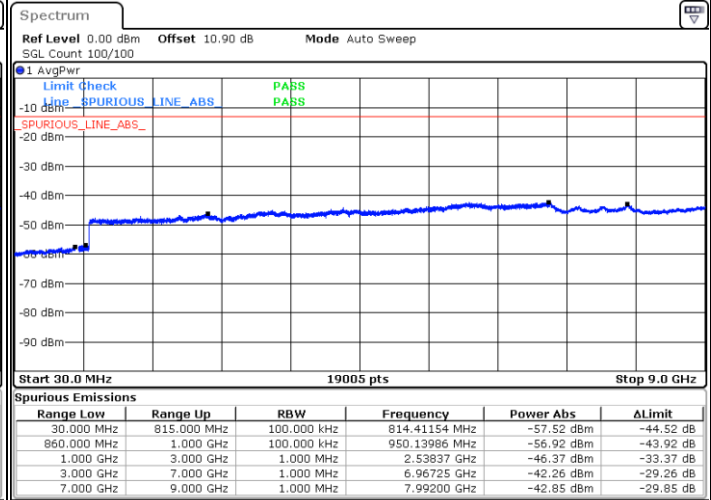
LTE Band 26 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

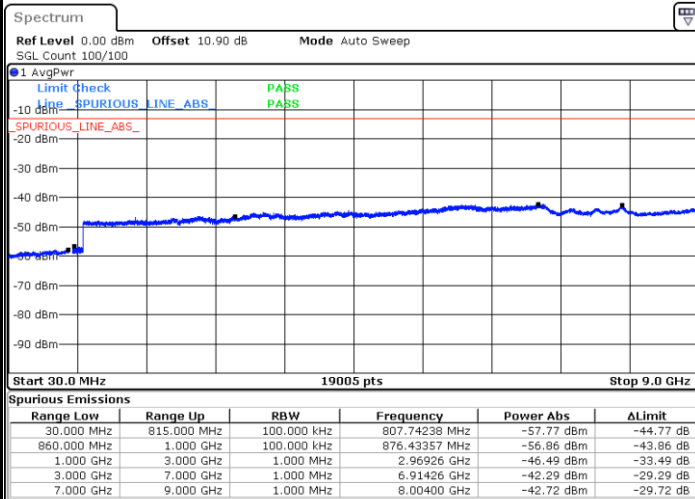


Date: 24.SEP.2020 13:50:51



Date: 24.SEP.2020 13:51:42

Highest Channel / 64QAM



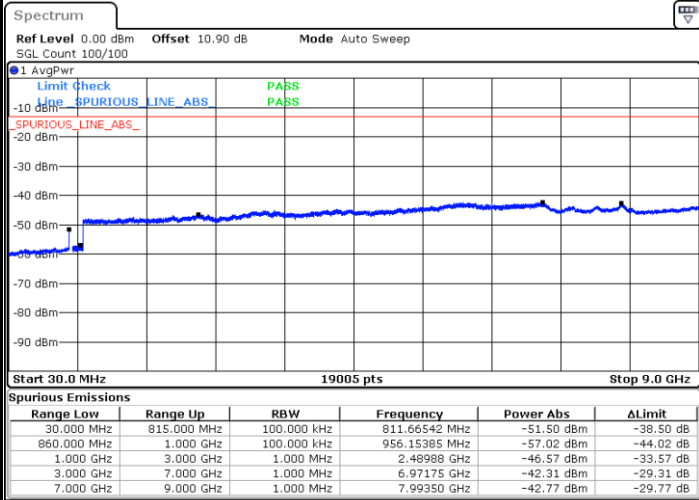
Date: 24.SEP.2020 13:53:42



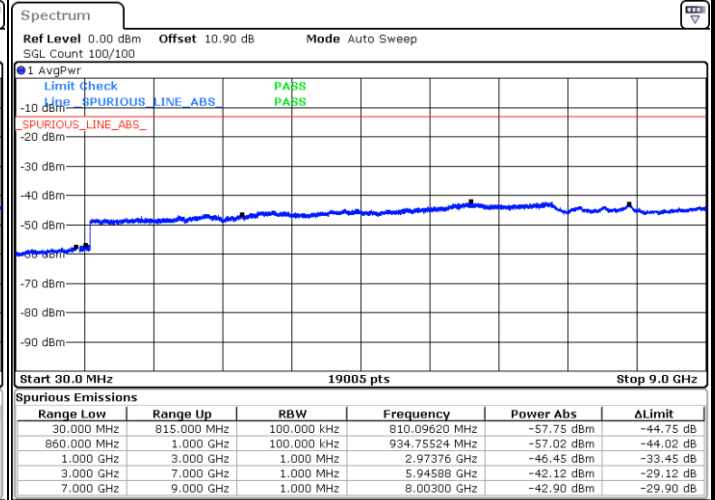
LTE Band 26 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

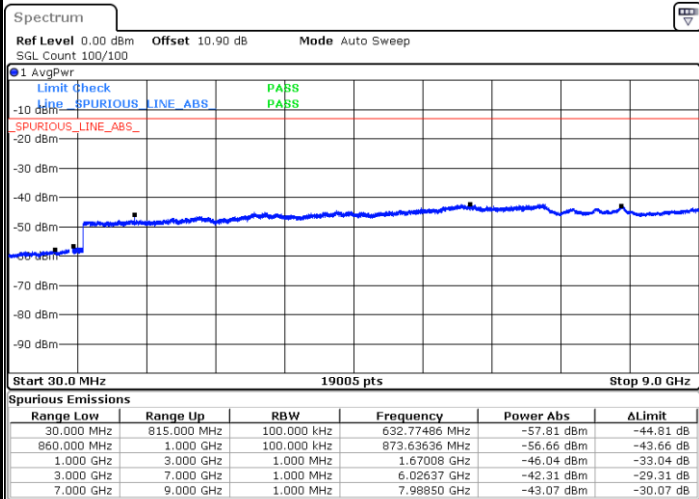


Date: 24.SEP.2020 13:55:32



Date: 24.SEP.2020 13:56:23

Highest Channel / 64QAM



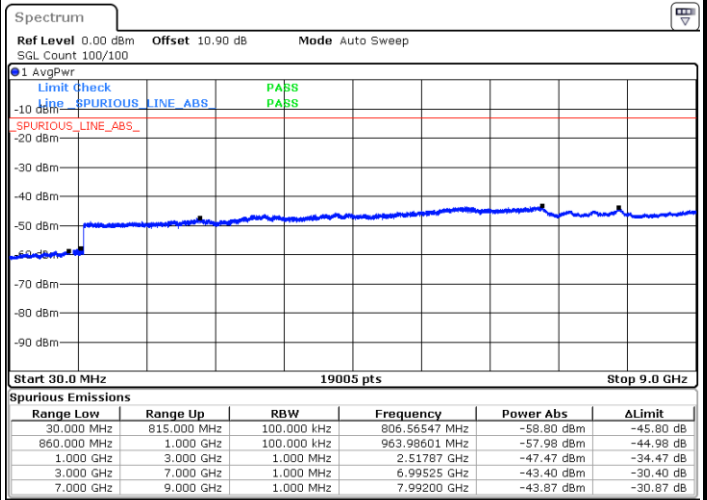
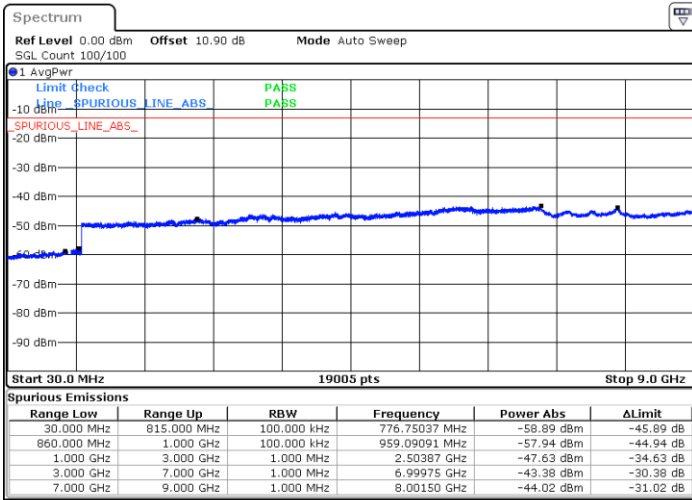
Date: 24.SEP.2020 13:58:22



LTE Band 26 / 1.4MHz

Lowest Channel / 256QAM

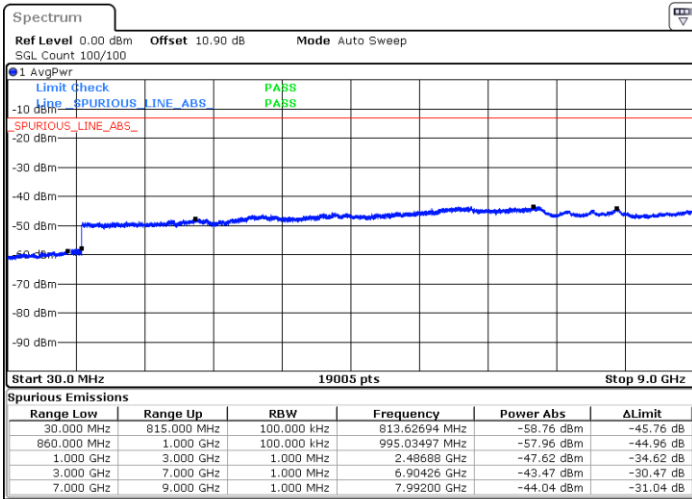
Middle Channel / 256QAM



Date: 28.SEP.2020 11:18:07

Date: 28.SEP.2020 11:14:06

Highest Channel / 256QAM



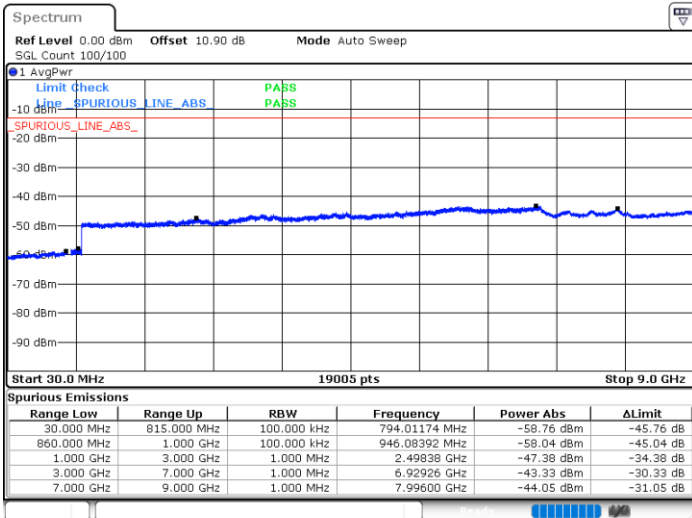
Date: 28.SEP.2020 11:20:40



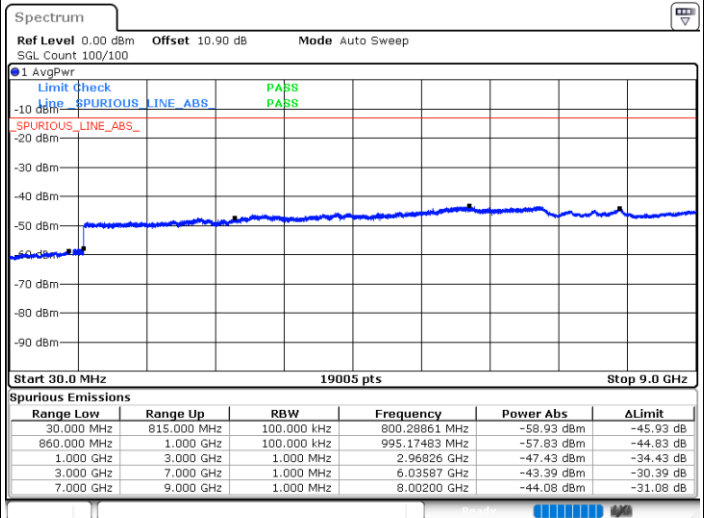
LTE Band 26 / 3MHz

Lowest Channel / 256QAM

Middle Channel / 256QAM

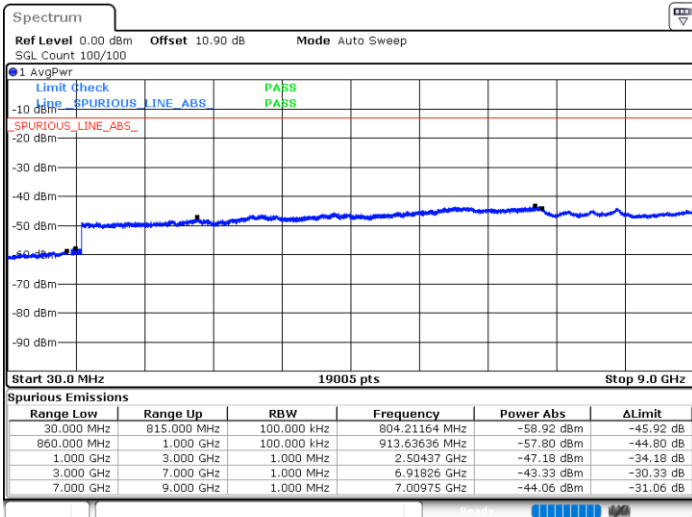


Date: 28.SEP.2020 11:25:46



Date: 28.SEP.2020 11:23:16

Highest Channel / 256QAM



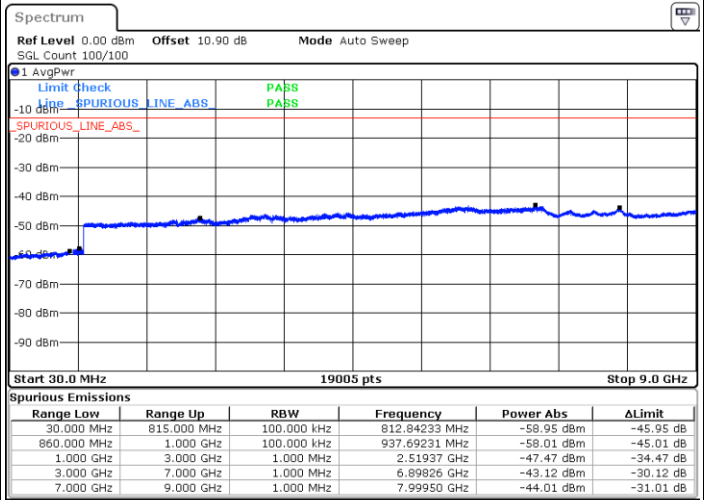
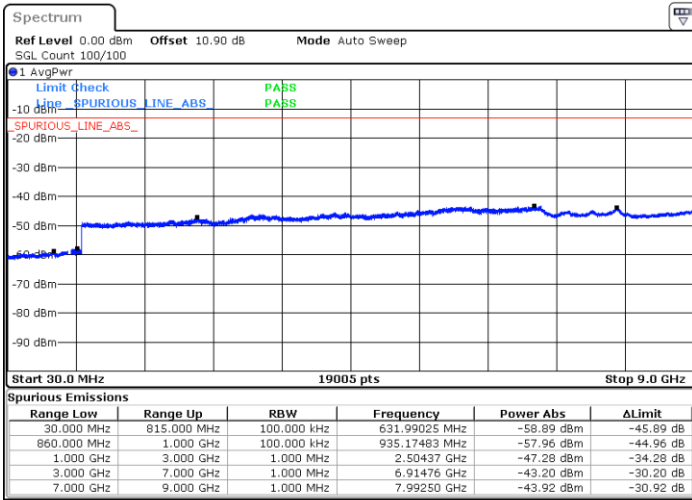
Date: 28.SEP.2020 11:28:27



LTE Band 26 / 5MHz

Lowest Channel / 256QAM

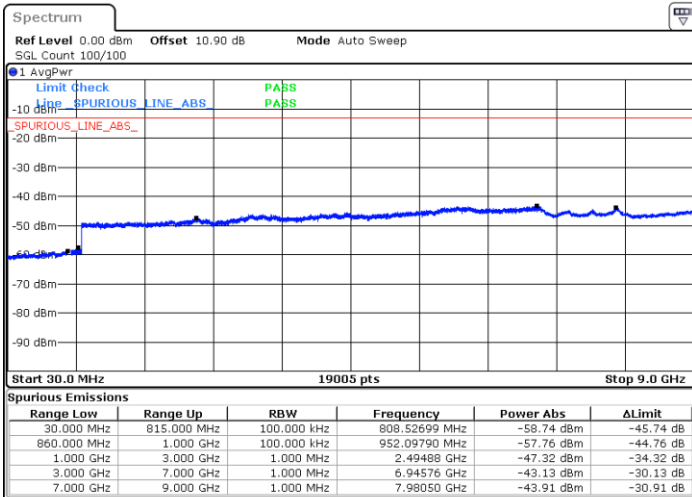
Middle Channel / 256QAM



Date: 28.SEP.2020 11:36:21

Date: 28.SEP.2020 11:31:22

Highest Channel / 256QAM



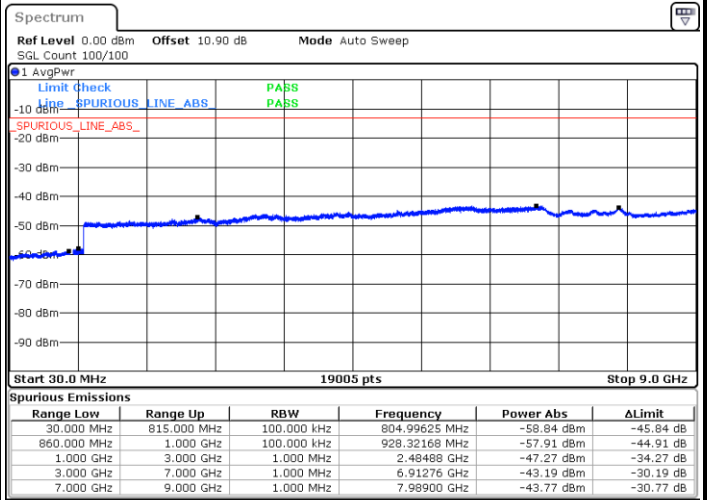
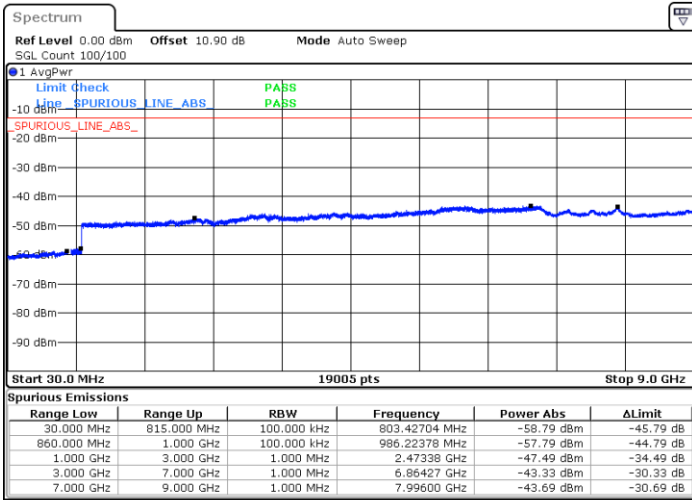
Date: 28.SEP.2020 11:38:33



LTE Band 26 / 10MHz

Lowest Channel / 256QAM

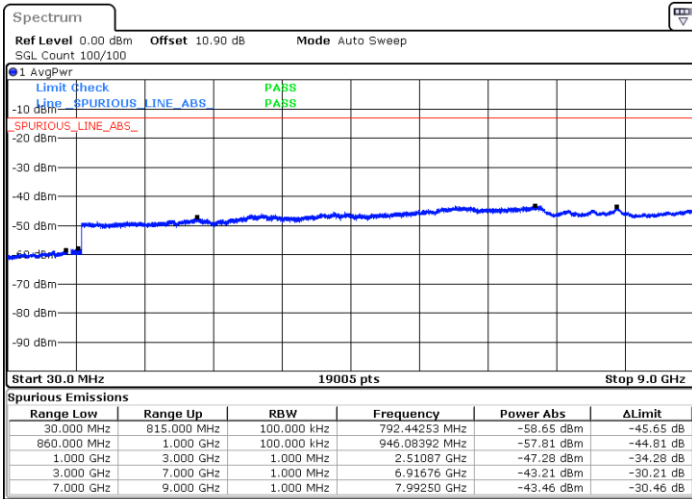
Middle Channel / 256QAM



Date: 28.SEP.2020 13:18:40

Date: 28.SEP.2020 13:16:46

Highest Channel / 256QAM



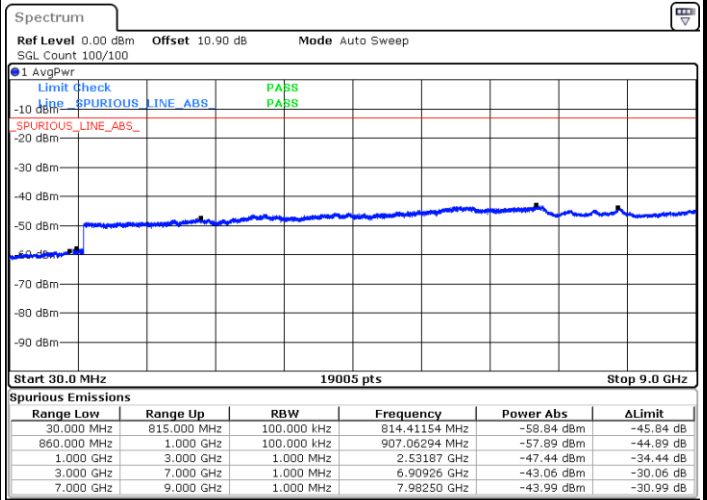
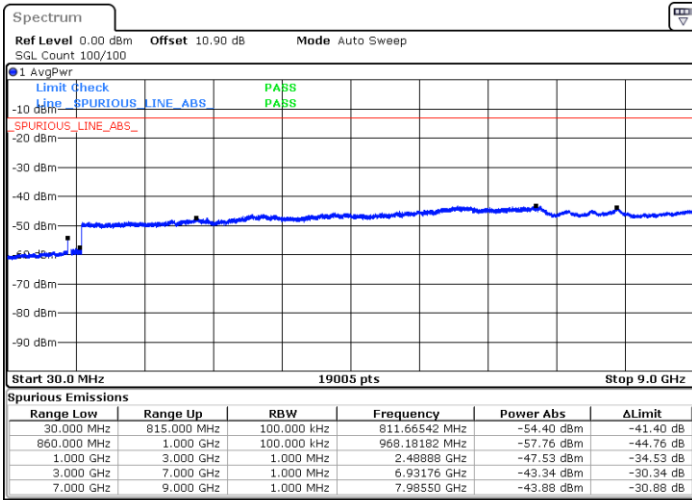
Date: 28.SEP.2020 13:20:05



LTE Band 26 / 15MHz

Lowest Channel / 256QAM

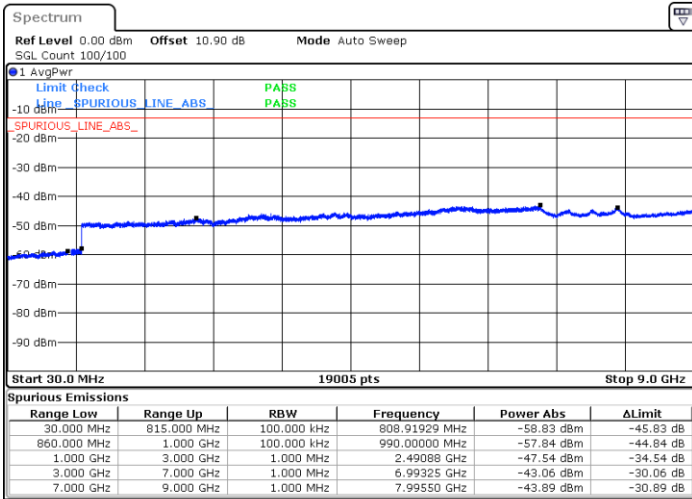
Middle Channel / 256QAM



Date: 28.SEP.2020 13:24:37

Date: 28.SEP.2020 13:22:21

Highest Channel / 256QAM



Date: 28.SEP.2020 13:26:11



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0151	PASS
40	Normal Voltage	0.0133	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0159	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0073	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0082	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41 (HPUE)

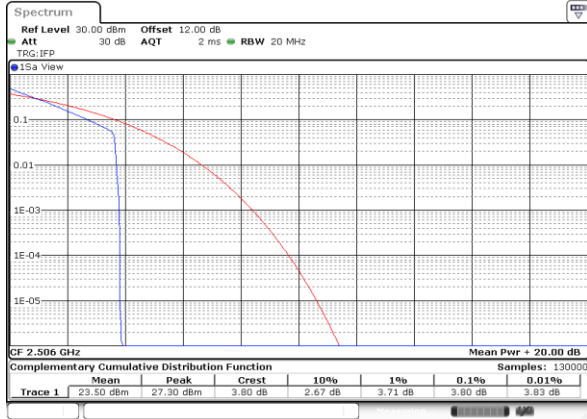
Peak-to-Average Ratio

Mode	LTE Band 41 (HPUE) / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.80	4.87	4.84	5.88	PASS
Middle CH	4.03	4.90	5.10	6.03	
Highest CH	4.06	4.96	5.62	6.17	
Mode	LTE Band 41 (HPUE) / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.38	6.67	7.88	6.75	PASS
Middle CH	6.84	6.81	8.17	7.01	
Highest CH	6.70	6.84	8.14	6.87	



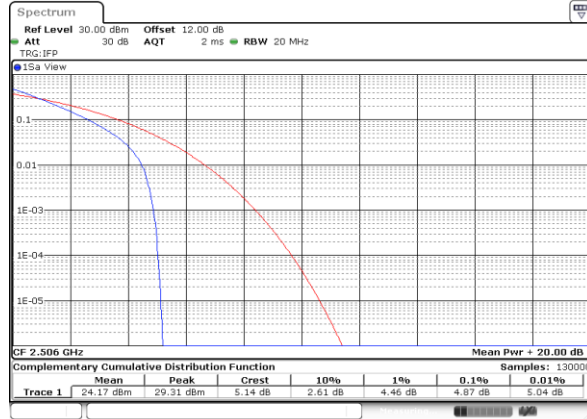
LTE Band 41 (HPUE) / 20MHz / QPSK

Lowest Channel / 1RB



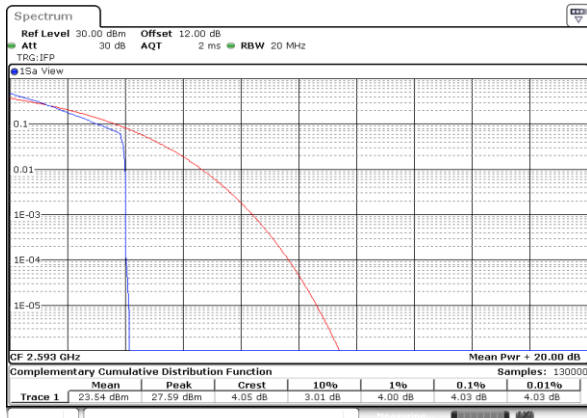
Date: 25.SEP.2020 14:04:16

Lowest Channel / Full RB



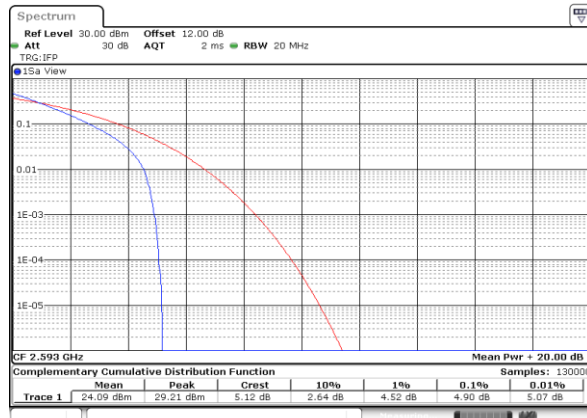
Date: 25.SEP.2020 14:04:31

Middle Channel / 1RB



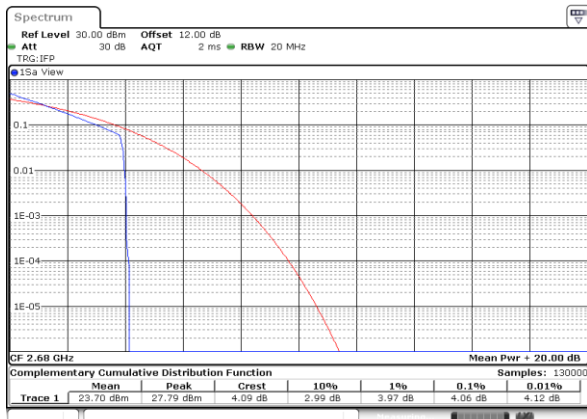
Date: 25.SEP.2020 14:04:45

Middle Channel / Full RB



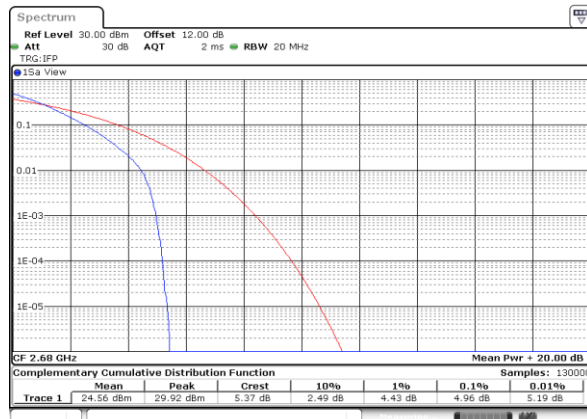
Date: 25.SEP.2020 14:04:59

Highest Channel / 1RB



Date: 25.SEP.2020 14:05:14

Highest Channel / Full RB

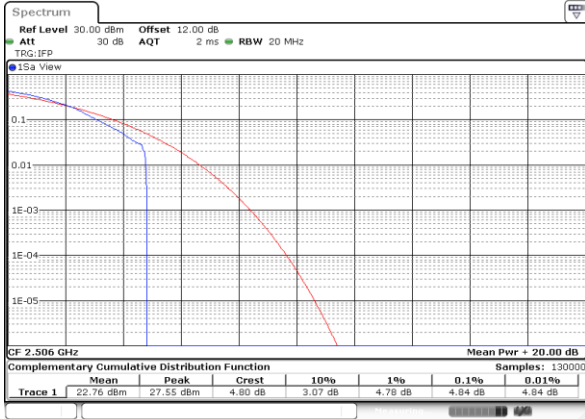


Date: 25.SEP.2020 14:05:28



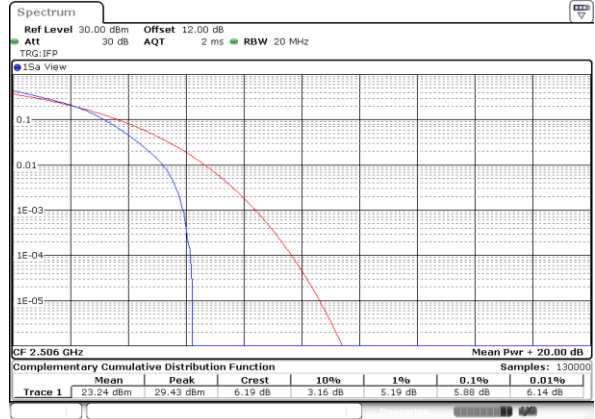
LTE Band 41 (HPUE) / 20MHz / 16QAM

Lowest Channel / 1RB



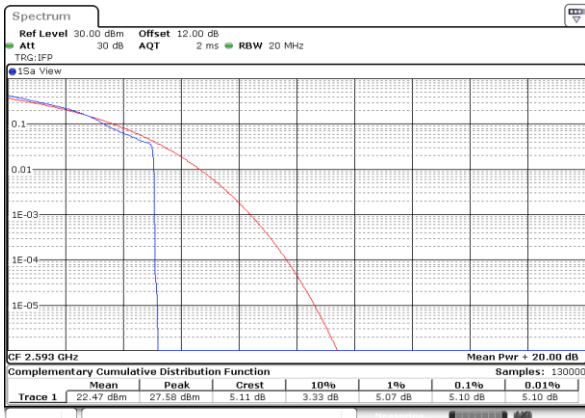
Date: 25_SEP.2020 14:02:51

Lowest Channel / Full RB



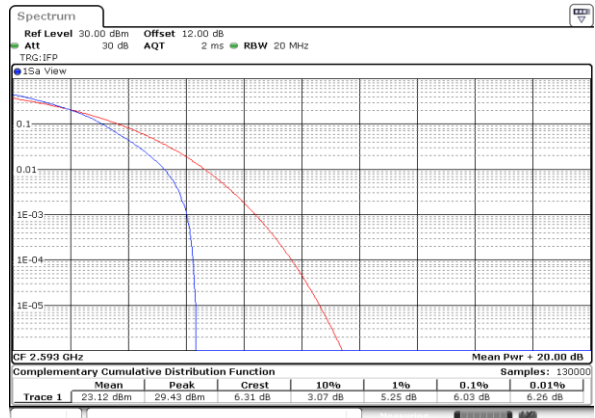
Date: 25_SEP.2020 14:03:05

Middle Channel / 1RB



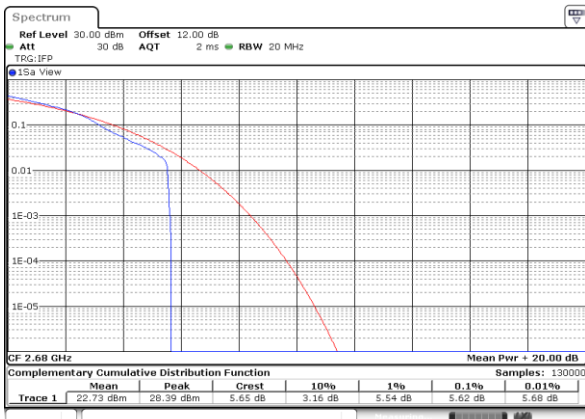
Date: 25_SEP.2020 14:03:22

Middle Channel / Full RB



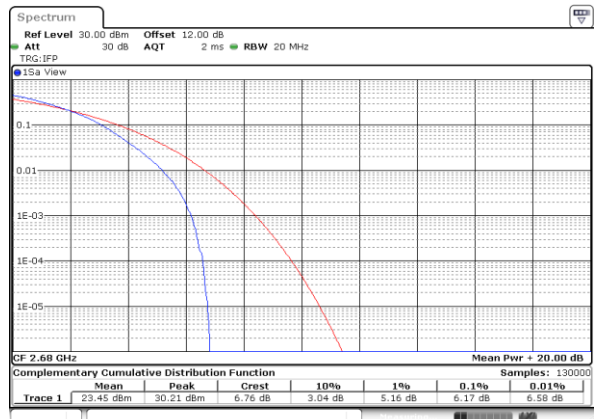
Date: 25_SEP.2020 14:03:36

Highest Channel / 1RB



Date: 25_SEP.2020 14:03:49

Highest Channel / Full RB

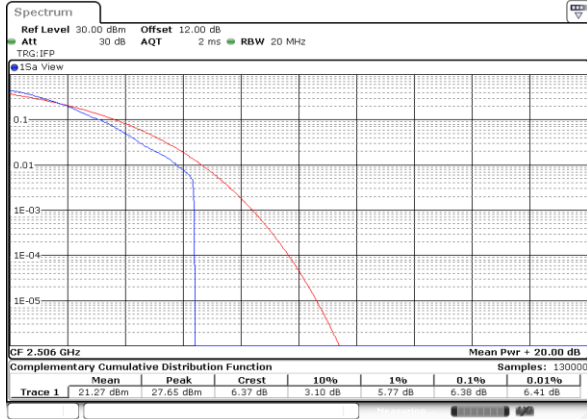


Date: 25_SEP.2020 14:04:02

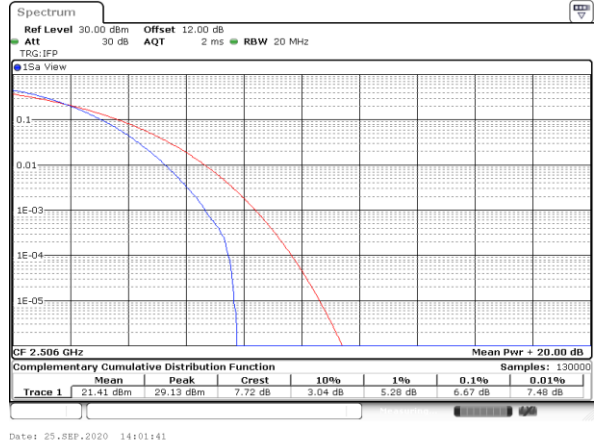


LTE Band 41 (HPUE) / 20MHz / 64QAM

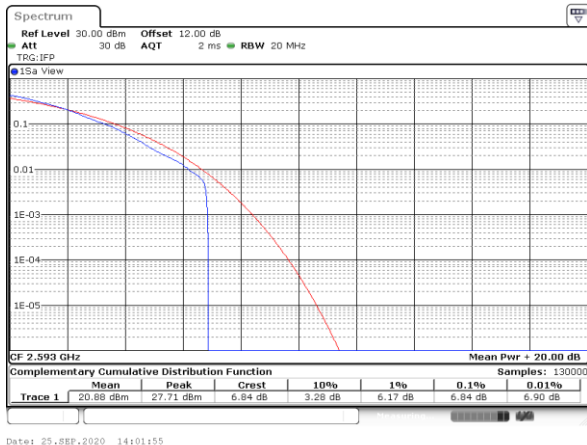
Lowest Channel / 1RB



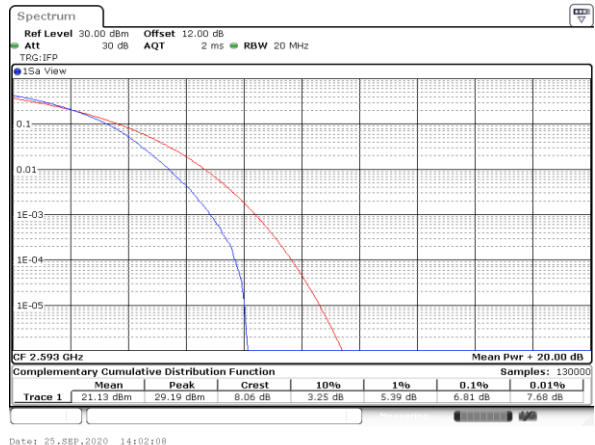
Lowest Channel / Full RB



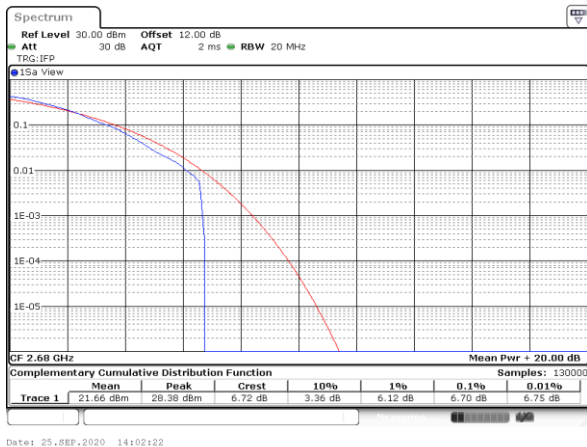
Middle Channel / 1RB



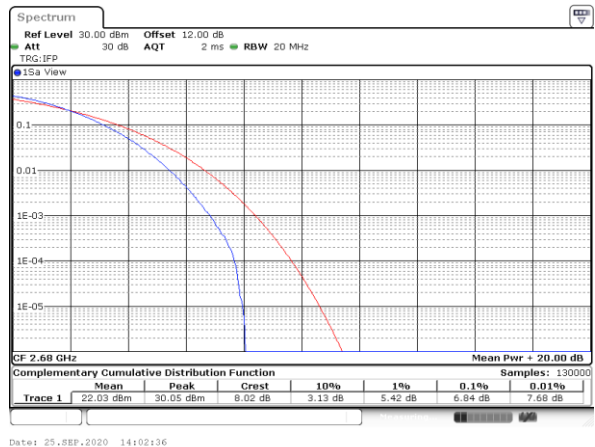
Middle Channel / Full RB



Highest Channel / 1RB



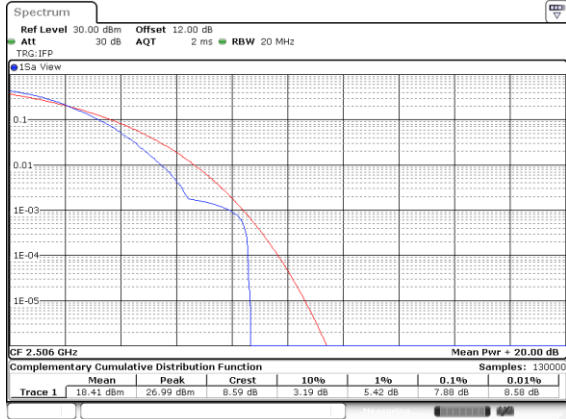
Highest Channel / Full RB





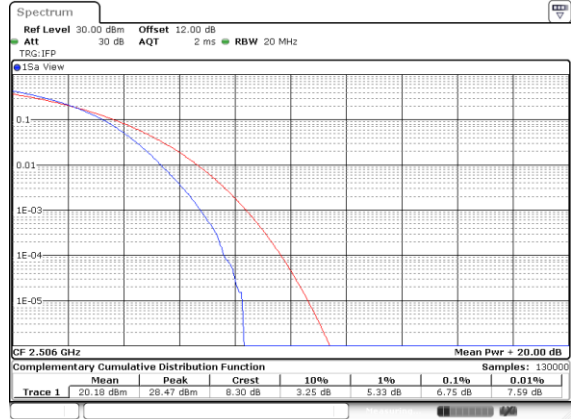
LTE Band 41 (HPUE) / 20MHz / 256QAM

Lowest Channel / 1RB



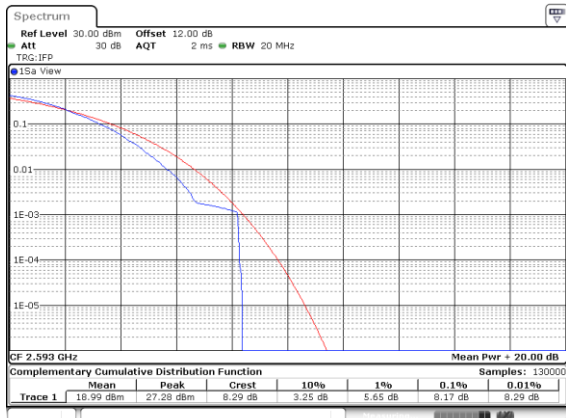
Date: 29_SEP.2020 10:26:55

Lowest Channel / Full RB



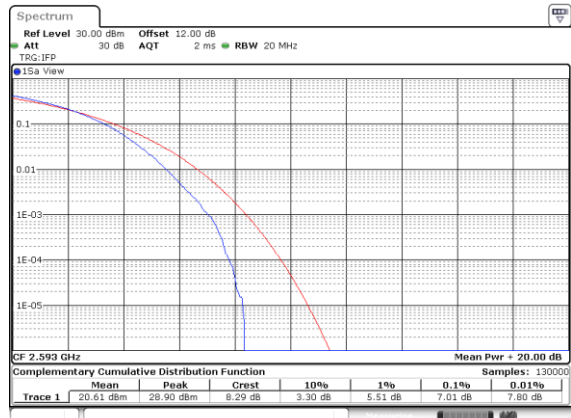
Date: 29_SEP.2020 10:26:21

Middle Channel / 1RB



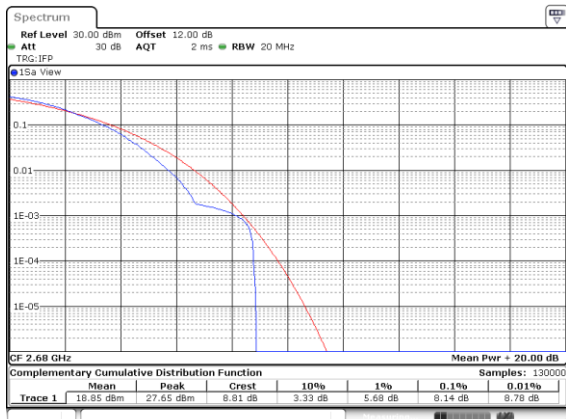
Date: 29_SEP.2020 10:24:51

Middle Channel / Full RB



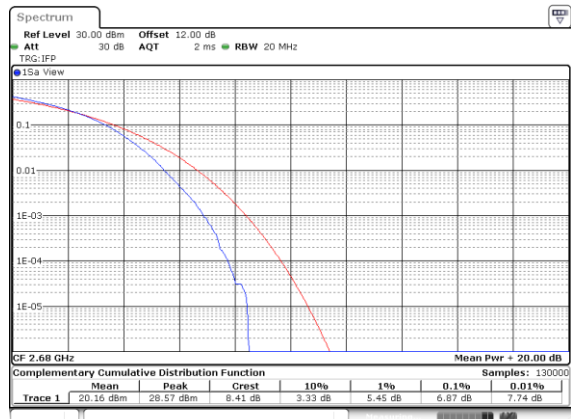
Date: 29_SEP.2020 10:24:23

Highest Channel / 1RB



Date: 29_SEP.2020 10:29:29

Highest Channel / Full RB



Date: 29_SEP.2020 10:28:53



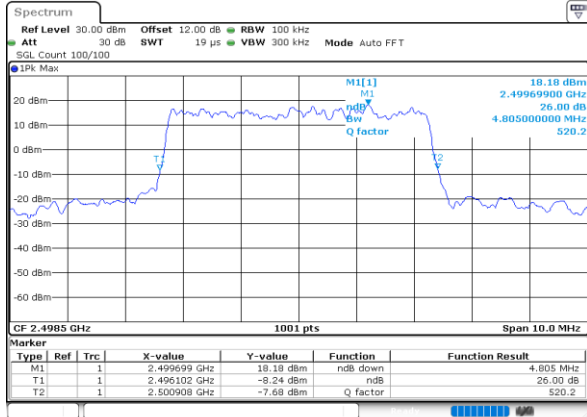
26dB Bandwidth

LTE Band 41 (HPUE) : 26dB BW(MHz)												
Mode	-				5MHz		10MHz		15MHz		20MHz	
BW	-	-	-	-	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	-	-	-	-	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.81	4.86	9.65	9.71	14.15	14.33	18.70	18.66
Middle CH	-	-	-	-	4.92	4.73	9.69	9.65	14.36	14.12	18.70	19.02
Highest CH	-	-	-	-	4.86	4.87	9.69	9.63	14.27	14.18	18.78	18.86
LTE Band 41 (HPUE) : 26dB BW(MHz)												
Mode	-				5MHz		10MHz		15MHz		20MHz	
BW	-	-	-	-	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Mod.	-	-	-	-	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Lowest CH	-	-	-	-	4.91	4.76	9.71	9.67	14.45	14.51	18.70	19.26
Middle CH	-	-	-	-	4.87	4.85	9.67	10.05	14.21	14.33	18.82	19.02
Highest CH	-	-	-	-	4.73	4.99	9.79	9.73	14.24	14.51	18.82	18.66



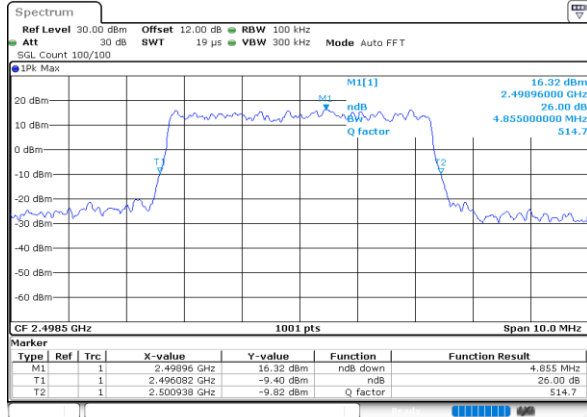
LTE Band 41 (HPUE)

Lowest Channel / 5MHz / QPSK



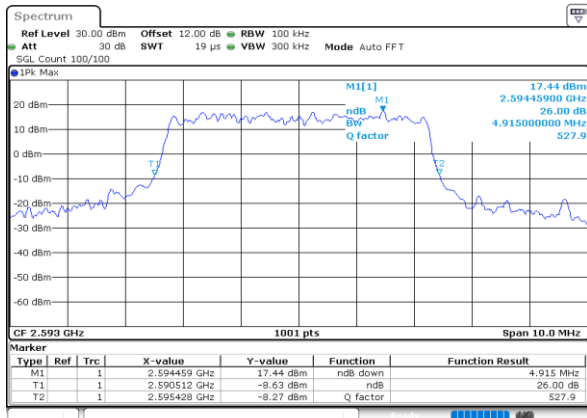
Date: 25_SEP.2020 13:47:46

Lowest Channel / 5MHz / 16QAM



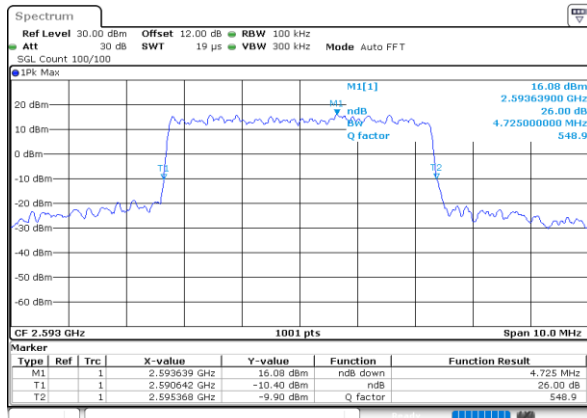
Date: 25_SEP.2020 13:47:59

Middle Channel / 5MHz / QPSK



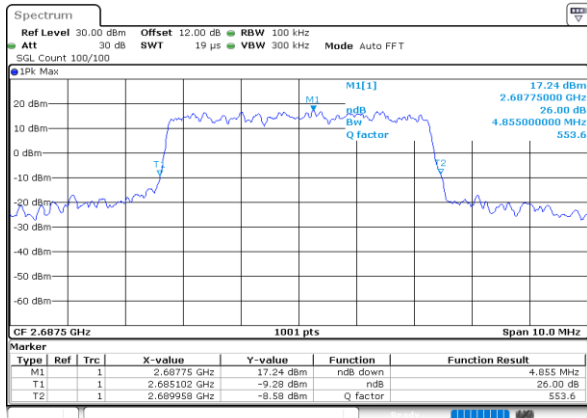
Date: 25_SEP.2020 13:48:33

Middle Channel / 5MHz / 16QAM



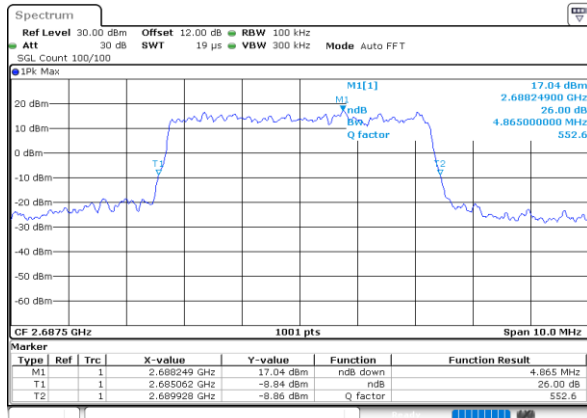
Date: 25_SEP.2020 13:48:45

Highest Channel / 5MHz / QPSK



Date: 25_SEP.2020 13:49:20

Highest Channel / 5MHz / 16QAM

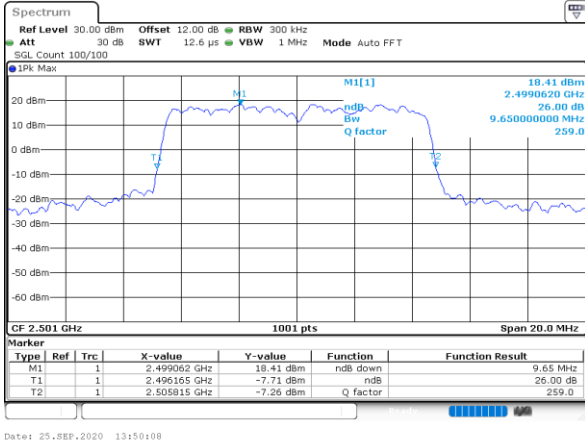


Date: 25_SEP.2020 13:49:32



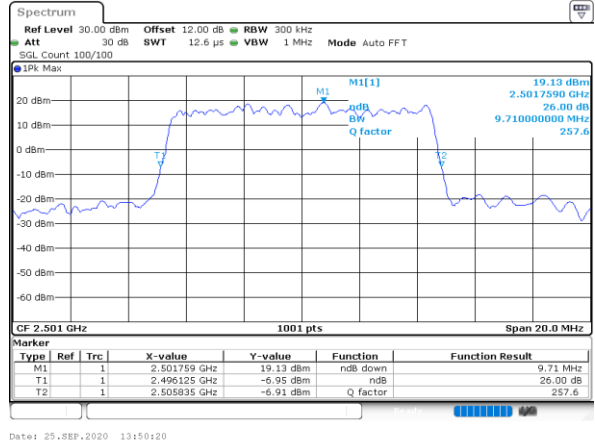
LTE Band 41 (HPUE)

Lowest Channel / 10MHz / QPSK



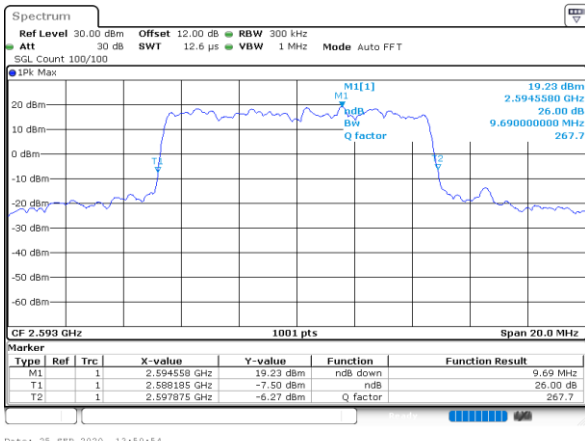
Date: 25_SEP.2020 13:50:08

Lowest Channel / 10MHz / 16QAM



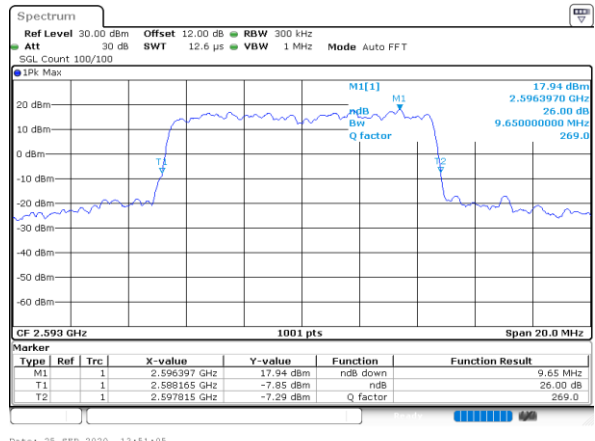
Date: 25_SEP.2020 13:50:20

Middle Channel / 10MHz / QPSK



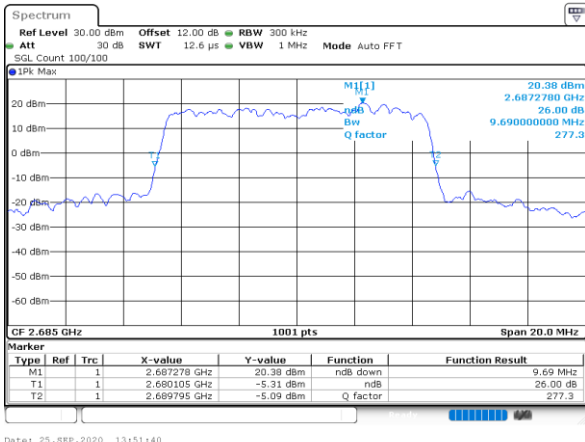
Date: 25_SEP.2020 13:50:54

Middle Channel / 10MHz / 16QAM



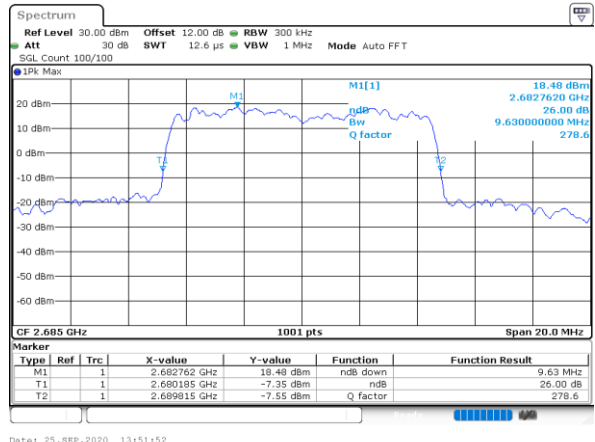
Date: 25_SEP.2020 13:51:05

Highest Channel / 10MHz / QPSK



Date: 25_SEP.2020 13:51:40

Highest Channel / 10MHz / 16QAM

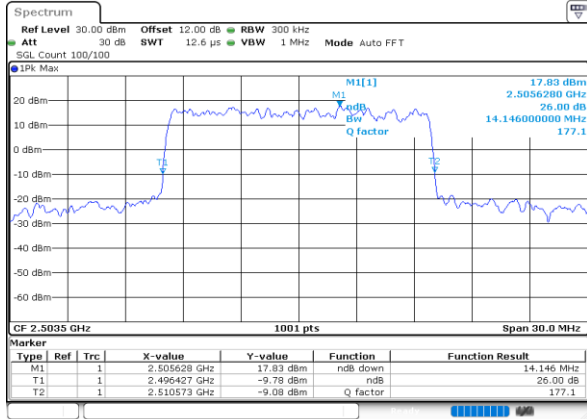


Date: 25_SEP.2020 13:51:52



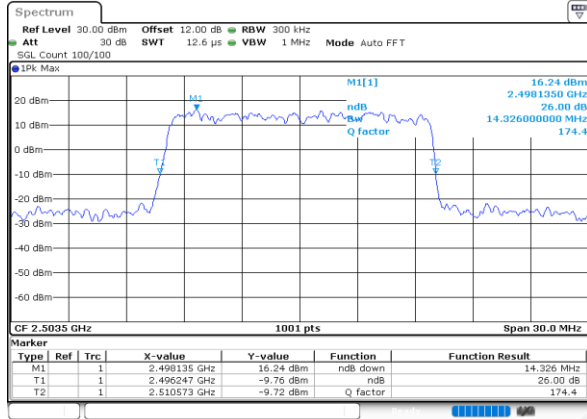
LTE Band 41 (HPUE)

Lowest Channel / 15MHz / QPSK



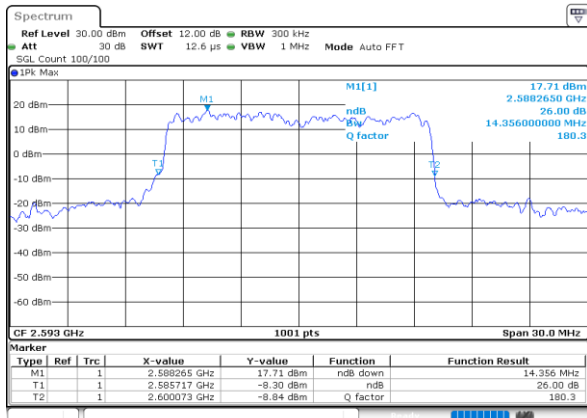
Date: 25_SEP.2020 13:52:27

Lowest Channel / 15MHz / 16QAM



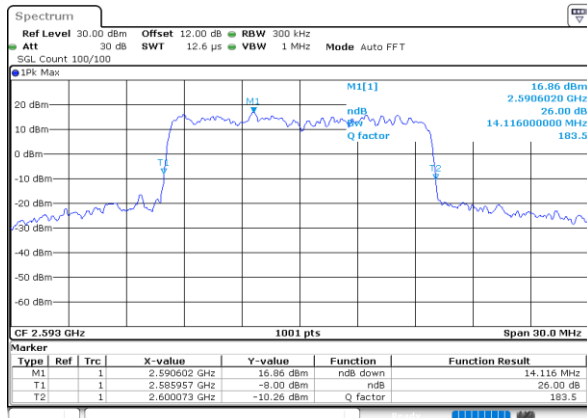
Date: 25_SEP.2020 13:52:139

Middle Channel / 15MHz / QPSK



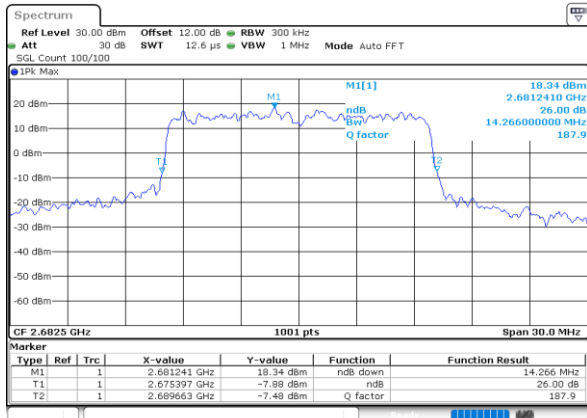
Date: 25_SEP.2020 13:53:13

Middle Channel / 15MHz / 16QAM



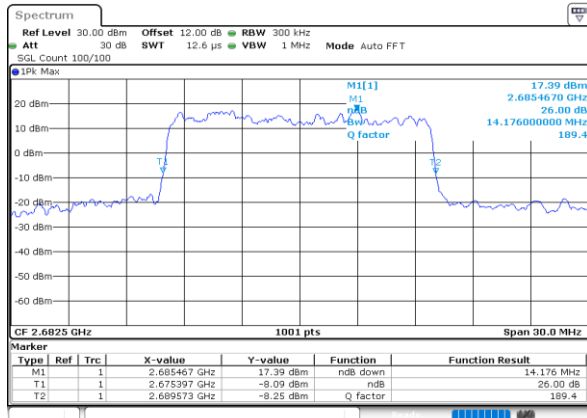
Date: 25_SEP.2020 13:53:124

Highest Channel / 15MHz / QPSK



Date: 25_SEP.2020 13:54:00

Highest Channel / 15MHz / 16QAM

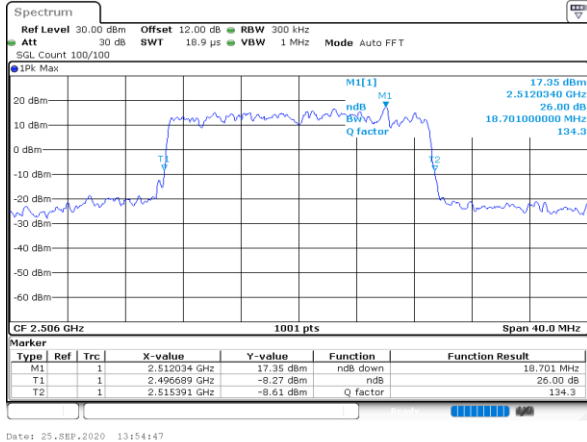


Date: 25_SEP.2020 13:54:111



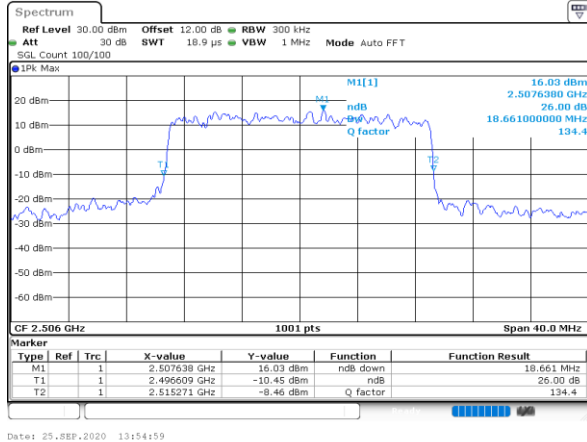
LTE Band 41 (HPUE)

Lowest Channel / 20MHz / QPSK



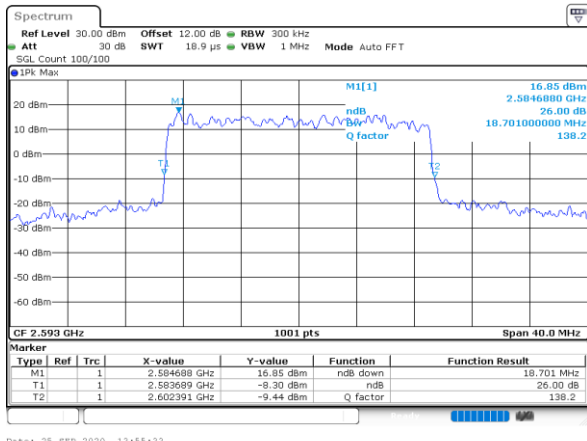
Date: 25_SEP.2020 13:54:47

Lowest Channel / 20MHz / 16QAM



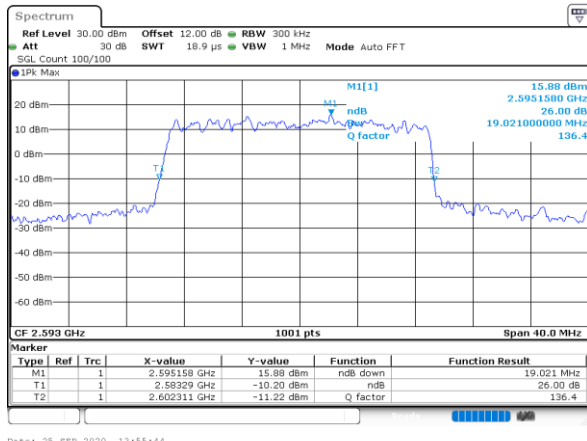
Date: 25_SEP.2020 13:54:59

Middle Channel / 20MHz / QPSK



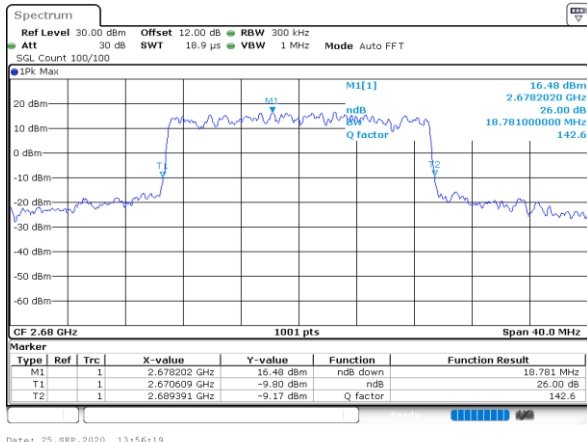
Date: 25_SEP.2020 13:55:33

Middle Channel / 20MHz / 16QAM



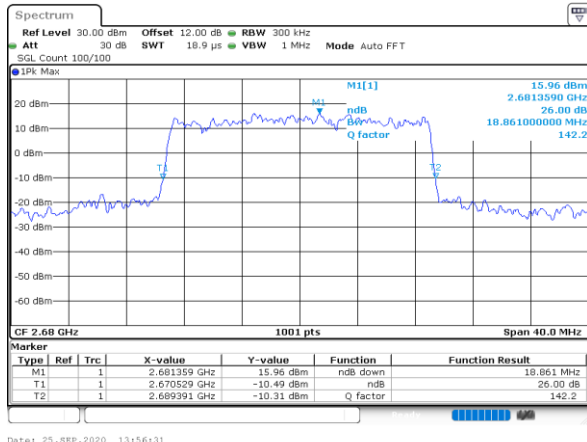
Date: 25_SEP.2020 13:55:44

Highest Channel / 20MHz / QPSK



Date: 25_SEP.2020 13:56:19

Highest Channel / 20MHz / 16QAM

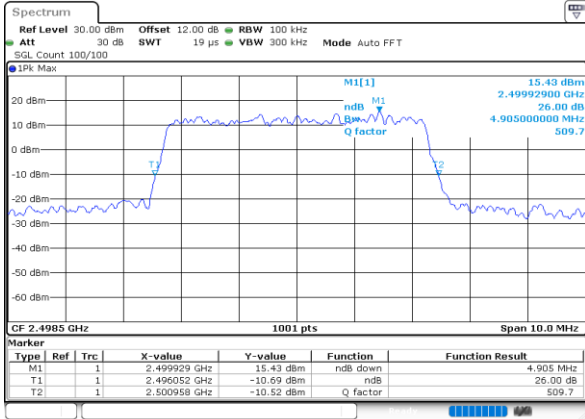


Date: 25_SEP.2020 13:56:31



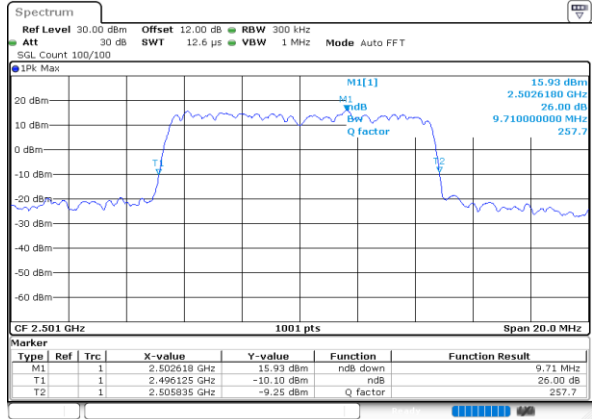
LTE Band 41 (HPUE)

Lowest Channel / 5MHz / 64QAM



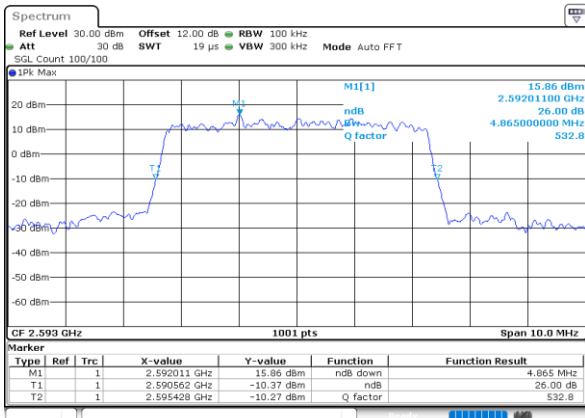
Date: 25_SEP.2020 13:56:55

Lowest Channel / 10MHz / 64QAM



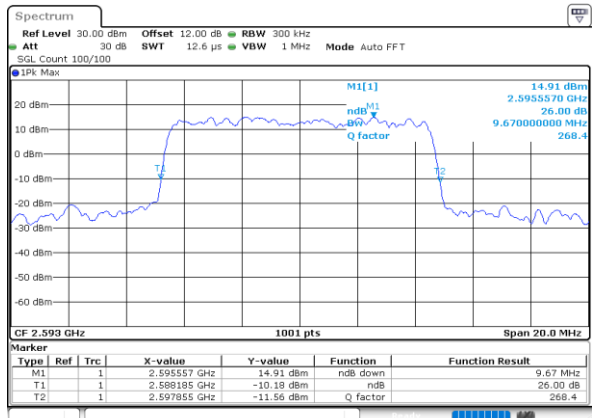
Date: 25_SEP.2020 13:58:05

Middle Channel / 5MHz / 64QAM



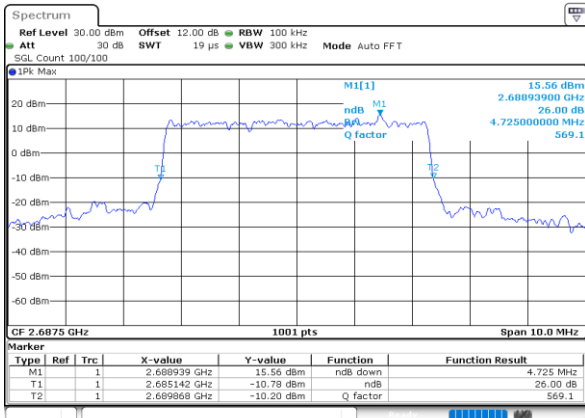
Date: 25_SEP.2020 13:57:10

Middle Channel / 10MHz / 64QAM



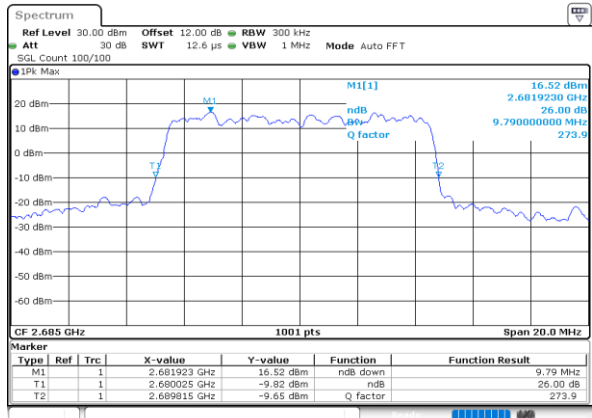
Date: 25_SEP.2020 13:58:27

Highest Channel / 5MHz / 64QAM



Date: 25_SEP.2020 13:57:41

Highest Channel / 10MHz / 64QAM

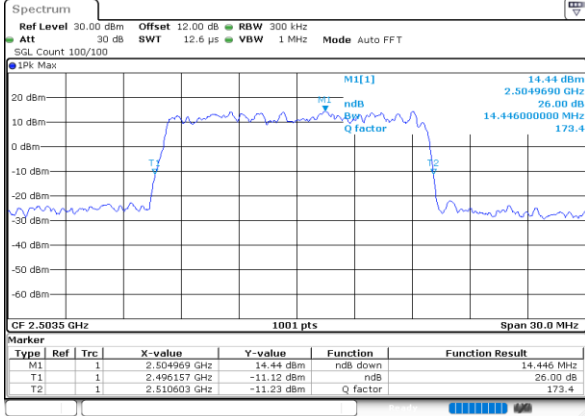


Date: 25_SEP.2020 13:58:51



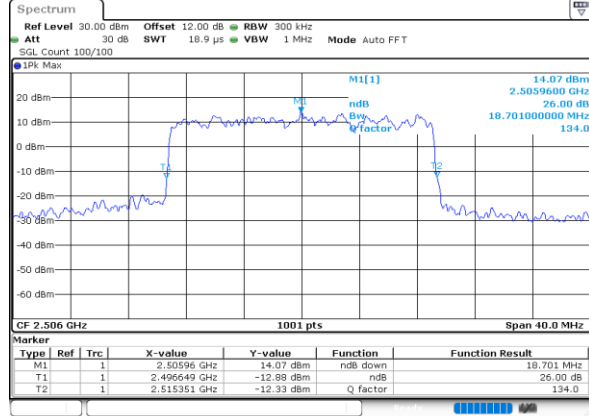
LTE Band 41 (HPUE)

Lowest Channel / 15MHz / 64QAM



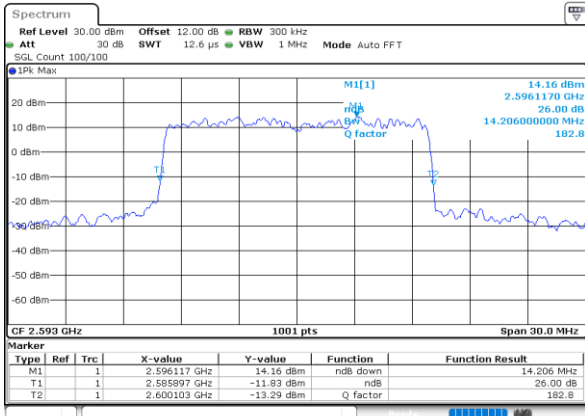
Date: 25_SEP.2020 13:59:15

Lowest Channel / 20MHz / 64QAM



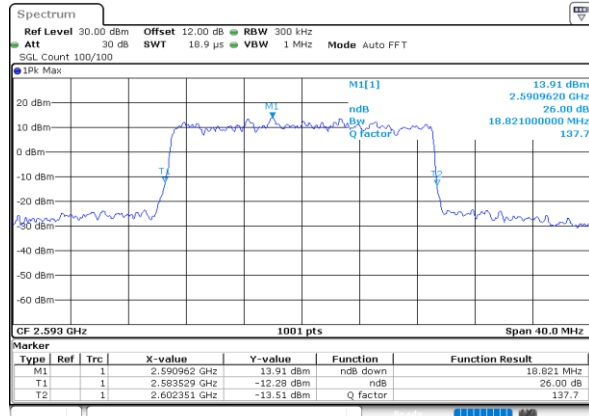
Date: 25_SEP.2020 14:00:24

Middle Channel / 15MHz / 64QAM



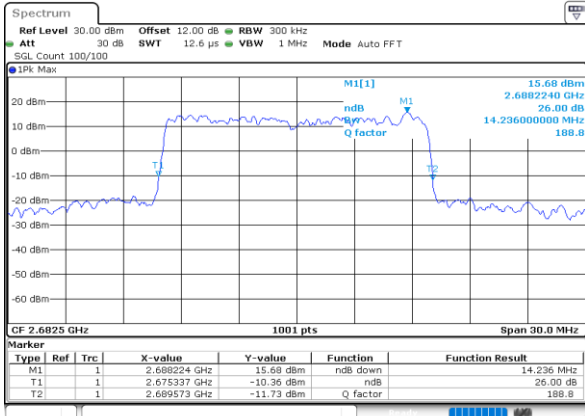
Date: 25_SEP.2020 13:59:37

Middle Channel / 20MHz / 64QAM



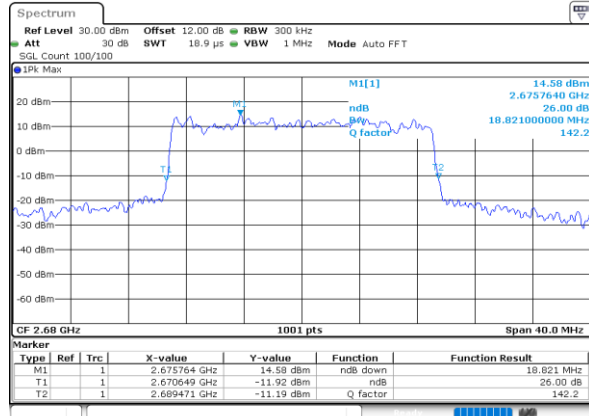
Date: 25_SEP.2020 14:00:47

Highest Channel / 15MHz / 64QAM



Date: 25_SEP.2020 14:00:00

Highest Channel / 20MHz / 64QAM

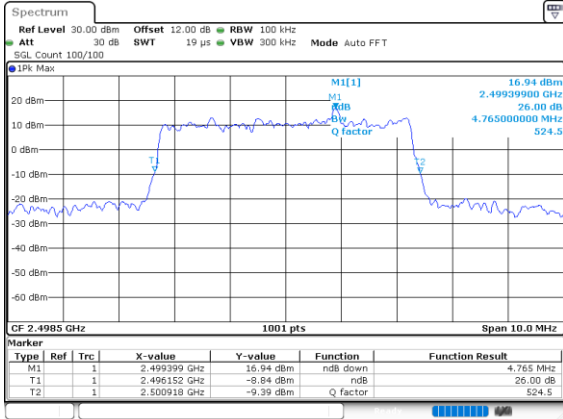


Date: 25_SEP.2020 14:01:10



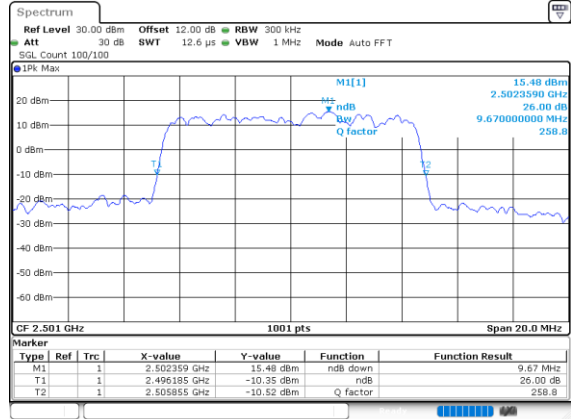
LTE Band 41 (HPUE)

Lowest Channel / 5MHz / 256QAM



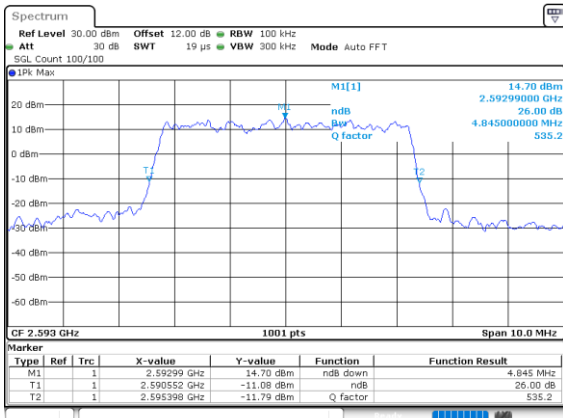
Date: 29_SEP.2020 10:04:01

Lowest Channel / 10MHz / 256QAM



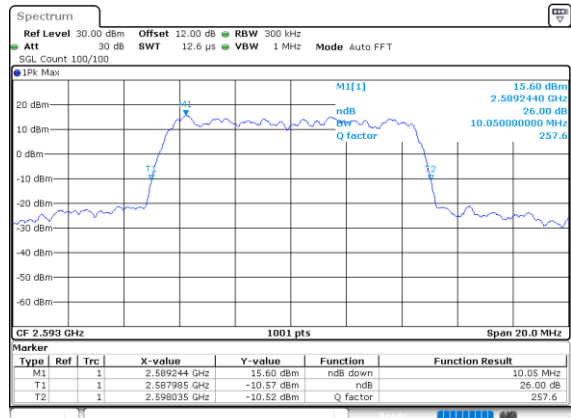
Date: 29_SEP.2020 10:12:02

Middle Channel / 5MHz / 256QAM



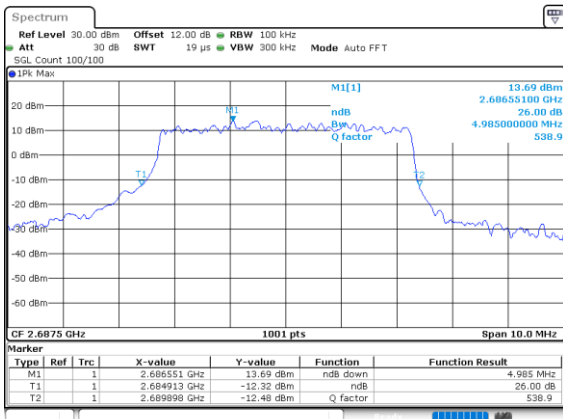
Date: 29_SEP.2020 10:02:31

Middle Channel / 10MHz / 256QAM



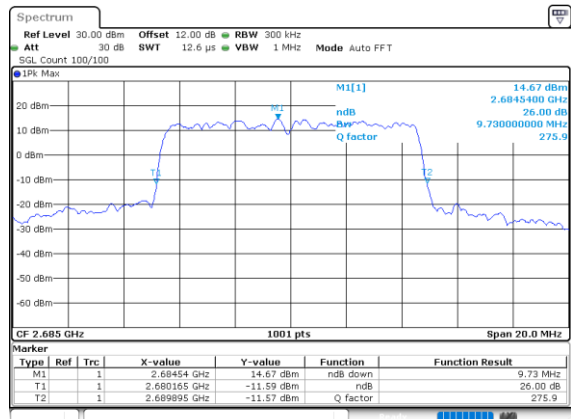
Date: 29_SEP.2020 10:10:33

Highest Channel / 5MHz / 256QAM



Date: 29_SEP.2020 10:08:33

Highest Channel / 10MHz / 256QAM

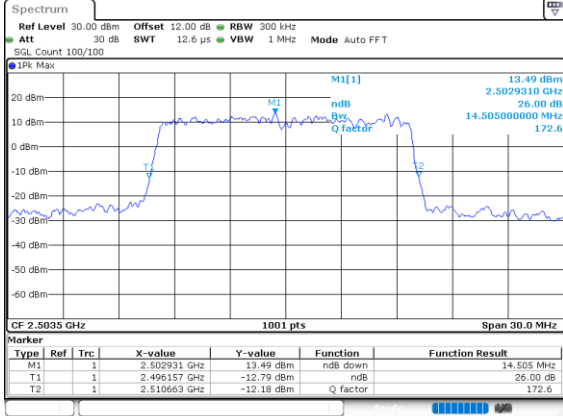


Date: 29_SEP.2020 10:13:54



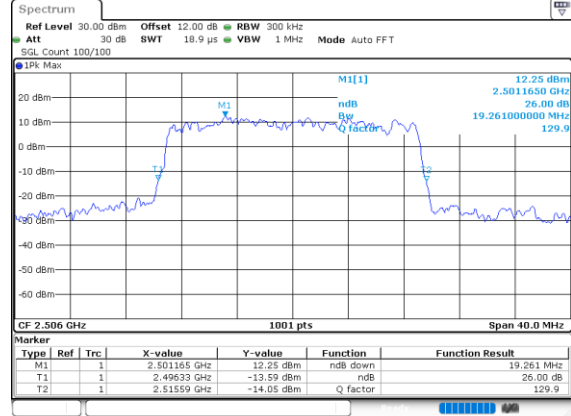
LTE Band 41 (HPUE)

Lowest Channel / 15MHz / 256QAM



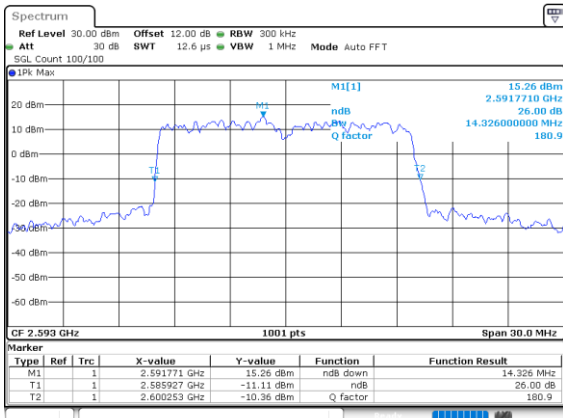
Date: 29_SEP.2020 10:19:04

Lowest Channel / 20MHz / 256QAM



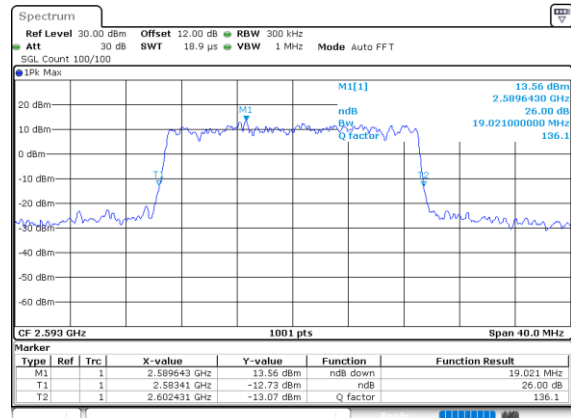
Date: 29_SEP.2020 10:26:10

Middle Channel / 15MHz / 256QAM



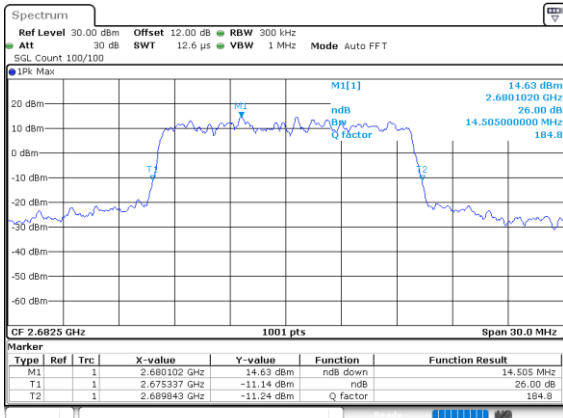
Date: 29_SEP.2020 10:17:32

Middle Channel / 20MHz / 256QAM



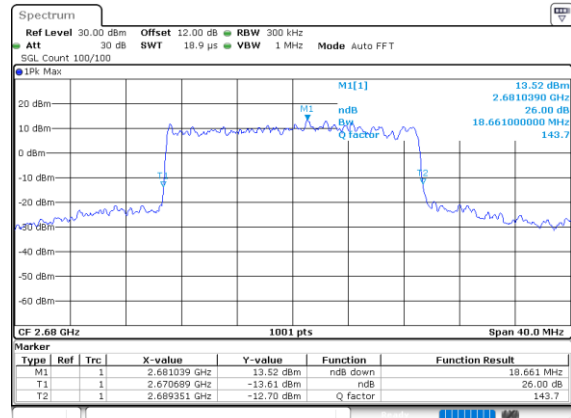
Date: 29_SEP.2020 10:24:09

Highest Channel / 15MHz / 256QAM



Date: 29_SEP.2020 10:21:59

Highest Channel / 20MHz / 256QAM



Date: 29_SEP.2020 10:28:26



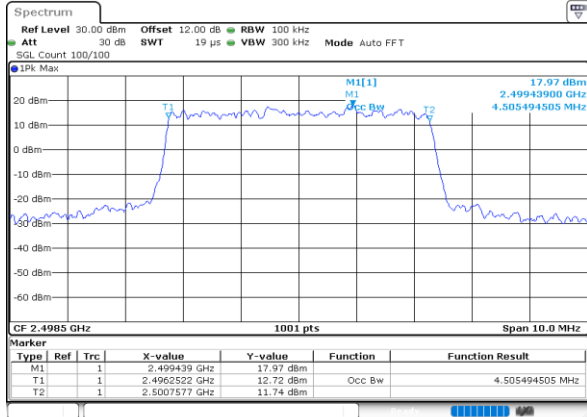
Occupied Bandwidth

LTE Band 41 (HPUE) : 99%OBW(MHz)												
Mode	-		-		5MHz		10MHz		15MHz		20MHz	
BW	-		-		5MHz		10MHz		15MHz		20MHz	
Mod.	-	-	-	-	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.51	9.01	8.97	13.46	13.43	17.90	17.82
Middle CH	-	-	-	-	4.49	4.49	9.01	9.05	13.49	13.52	17.82	17.86
Highest CH	-	-	-	-	4.49	4.48	9.09	9.03	13.49	13.46	17.94	17.82
LTE Band 41 (HPUE) : 99%OBW(MHz)												
Mode	-		-		5MHz		10MHz		15MHz		20MHz	
BW	-		-		5MHz		10MHz		15MHz		20MHz	
Mod.	-	-	-	-	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Lowest CH	-	-	-	-	4.52	4.47	9.03	8.95	13.43	13.37	17.86	17.90
Middle CH	-	-	-	-	4.50	4.47	9.03	9.01	13.46	13.37	17.94	17.94
Highest CH	-	-	-	-	4.49	4.49	9.05	9.07	13.49	13.37	17.90	17.82



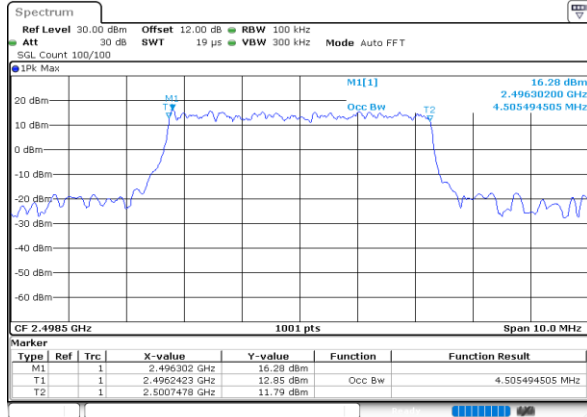
LTE Band 41 (HPUE)

Lowest Channel / 5MHz / QPSK



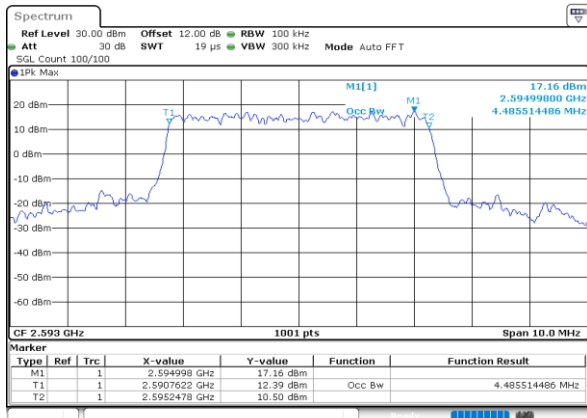
Date: 25.SEP.2020 13:47:24

Lowest Channel / 5MHz / 16QAM



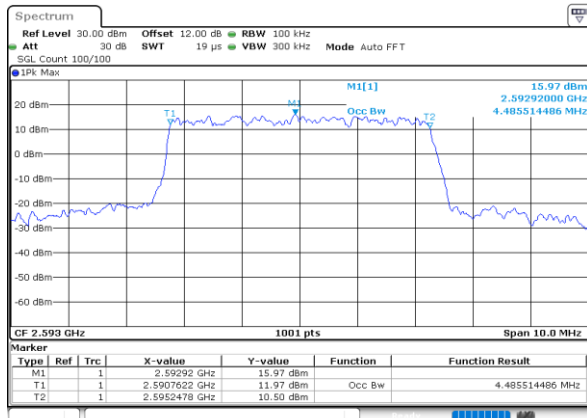
Date: 25.SEP.2020 13:47:36

Middle Channel / 5MHz / QPSK



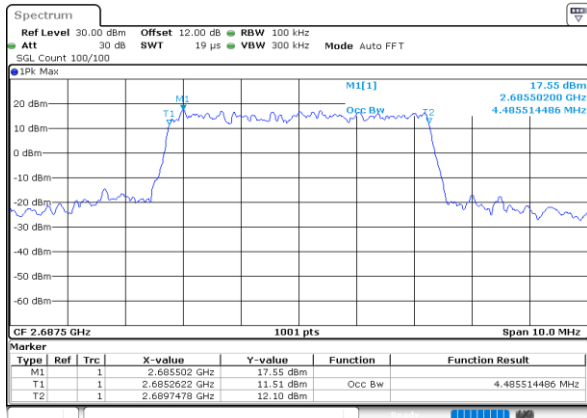
Date: 25.SEP.2020 13:48:11

Middle Channel / 5MHz / 16QAM



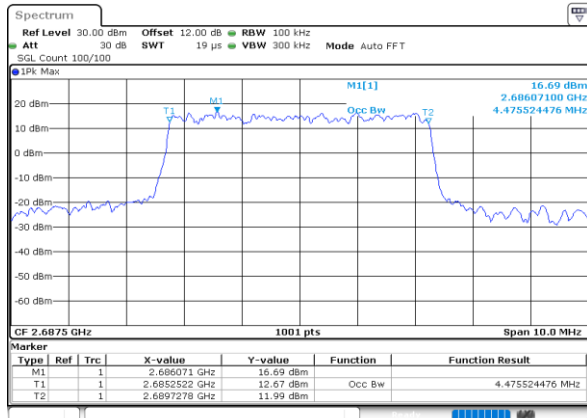
Date: 25.SEP.2020 13:48:22

Highest Channel / 5MHz / QPSK



Date: 25.SEP.2020 13:48:56

Highest Channel / 5MHz / 16QAM

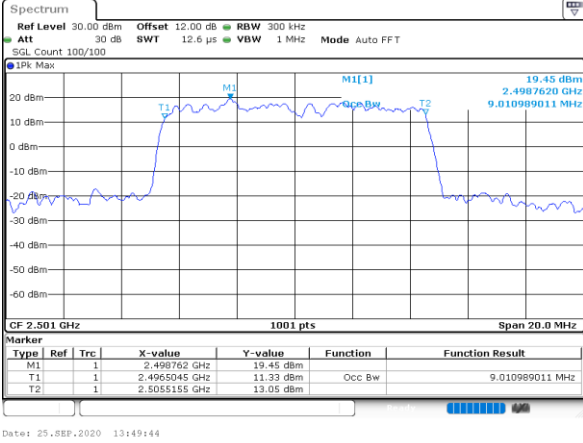


Date: 25.SEP.2020 13:49:08



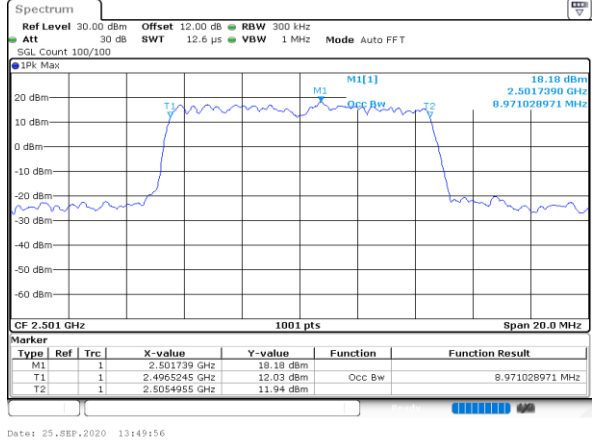
LTE Band 41 (HPUE)

Lowest Channel / 10MHz / QPSK



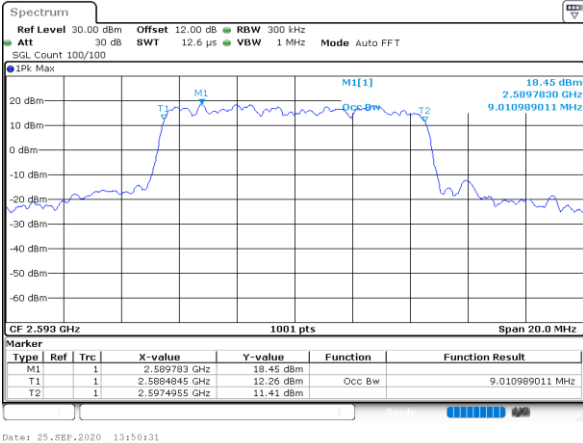
Date: 25_SEP.2020 13:49:44

Lowest Channel / 10MHz / 16QAM



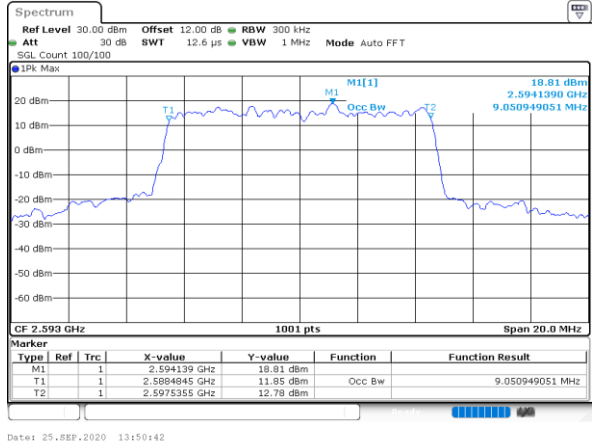
Date: 25_SEP.2020 13:49:56

Middle Channel / 10MHz / QPSK



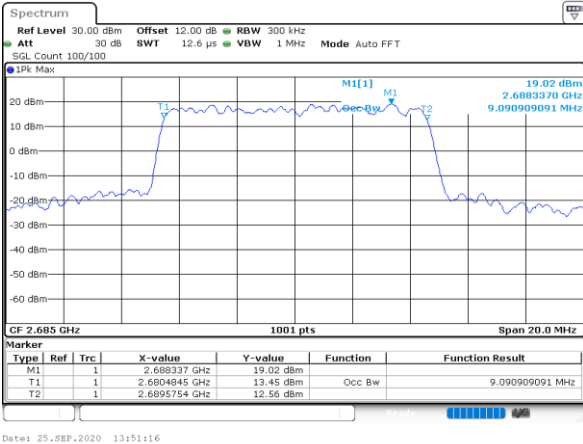
Date: 25_SEP.2020 13:50:31

Middle Channel / 10MHz / 16QAM



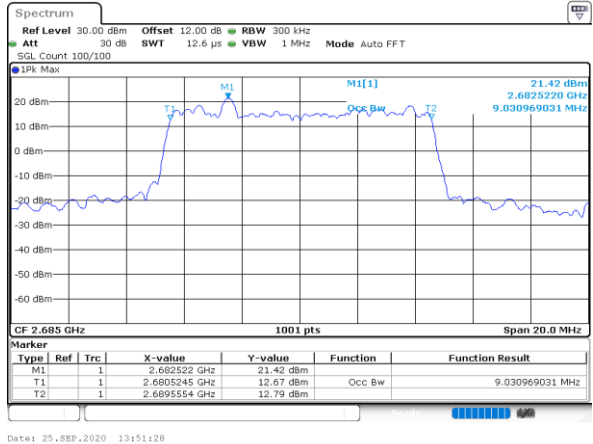
Date: 25_SEP.2020 13:50:42

Highest Channel / 10MHz / QPSK



Date: 25_SEP.2020 13:51:16

Highest Channel / 10MHz / 16QAM

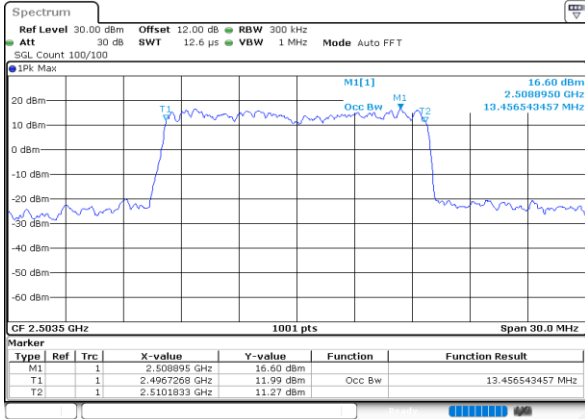


Date: 25_SEP.2020 13:51:28



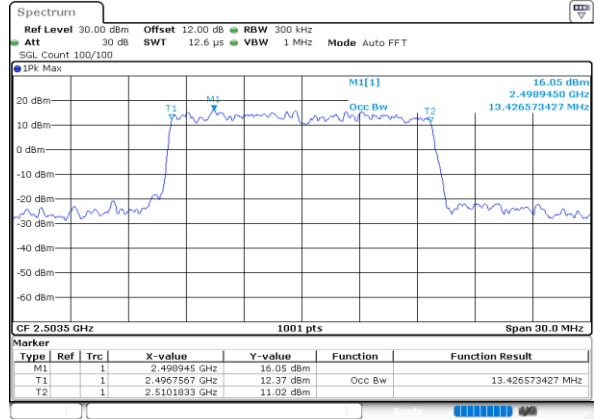
LTE Band 41 (HPUE)

Lowest Channel / 15MHz / QPSK



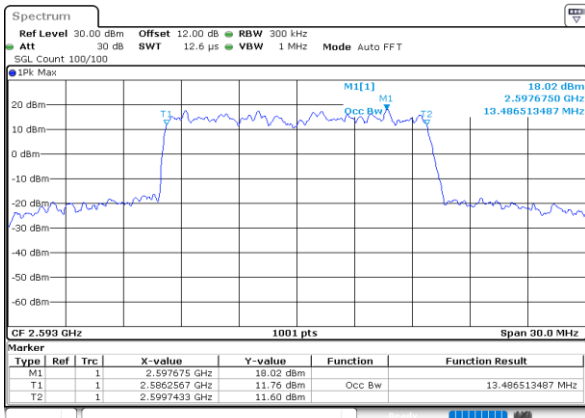
Date: 25_SEP.2020 13:52:04

Lowest Channel / 15MHz / 16QAM



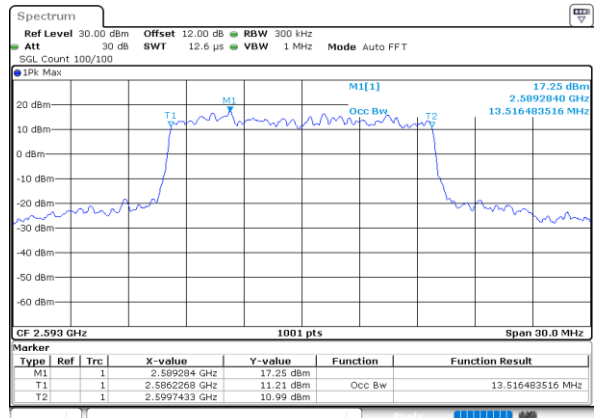
Date: 25_SEP.2020 13:52:16

Middle Channel / 15MHz / QPSK



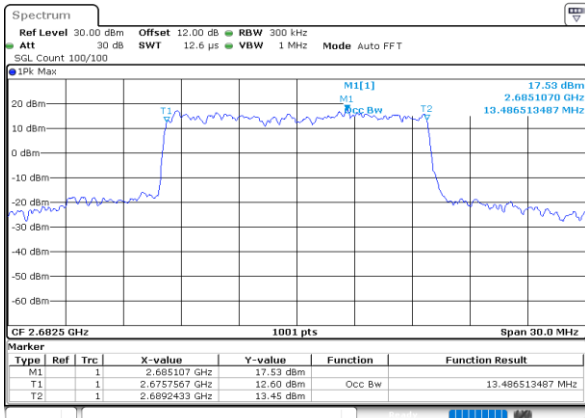
Date: 25_SEP.2020 13:52:51

Middle Channel / 15MHz / 16QAM



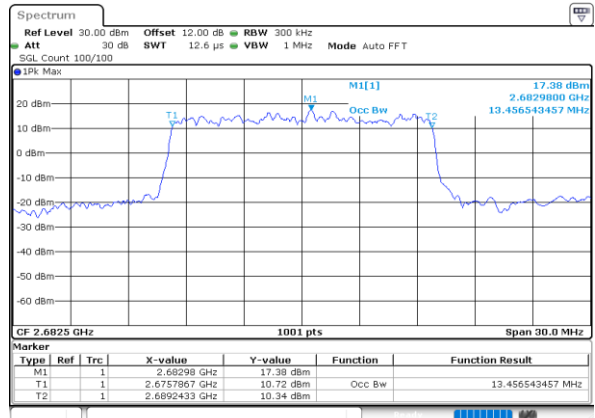
Date: 25_SEP.2020 13:53:02

Highest Channel / 15MHz / QPSK



Date: 25_SEP.2020 13:53:36

Highest Channel / 15MHz / 16QAM



Date: 25_SEP.2020 13:53:48