

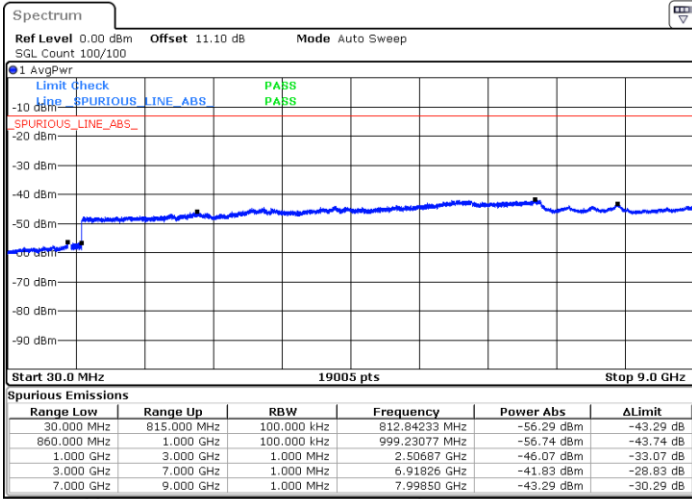


LTE Band 5B / 5MHz+10MHz

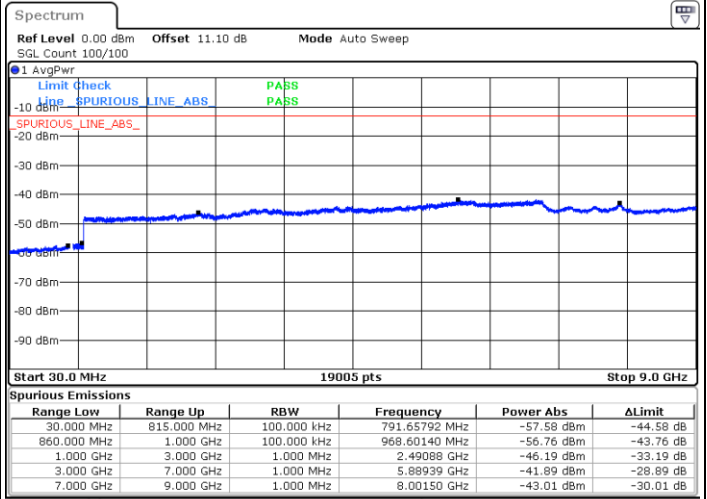
256QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB24 and 1RB0



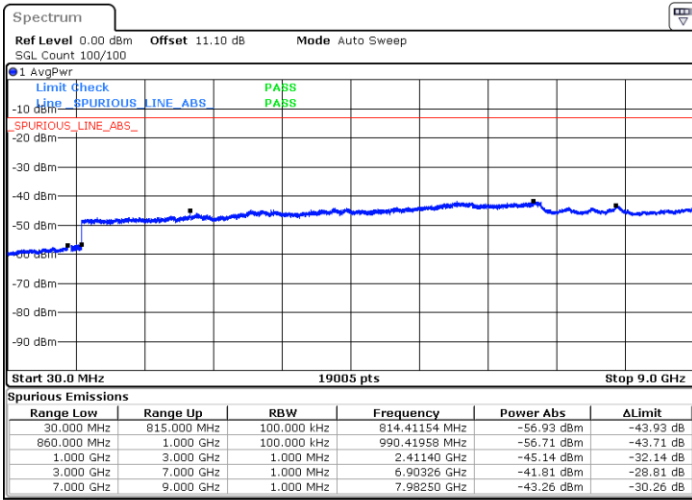
Date: 13.JUL.2020 11:16:21



Date: 13.JUL.2020 11:15:28

Highest Channel / FullIRB

N/A



Date: 13.JUL.2020 11:17:15

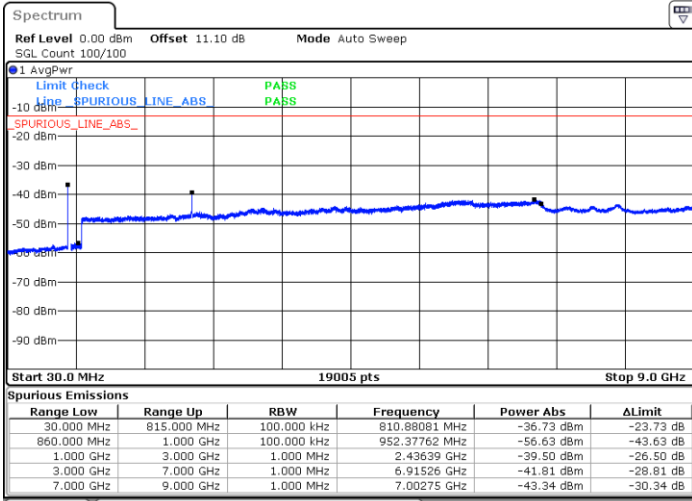


LTE Band 5B / 10MHz+5MHz

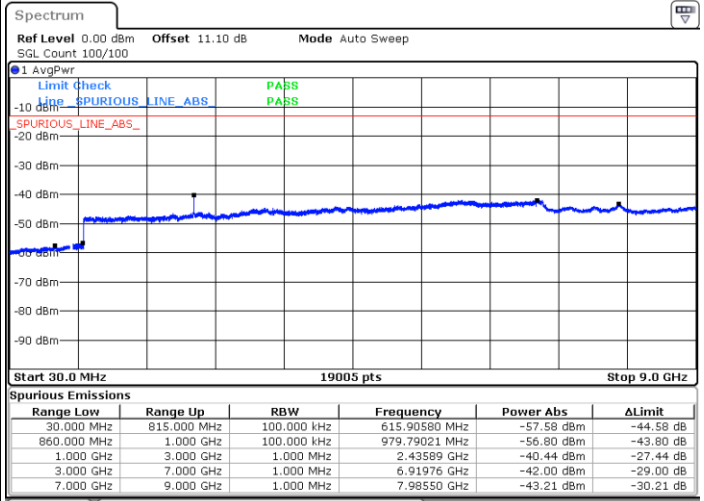
256QAM

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB49 and 1RB0



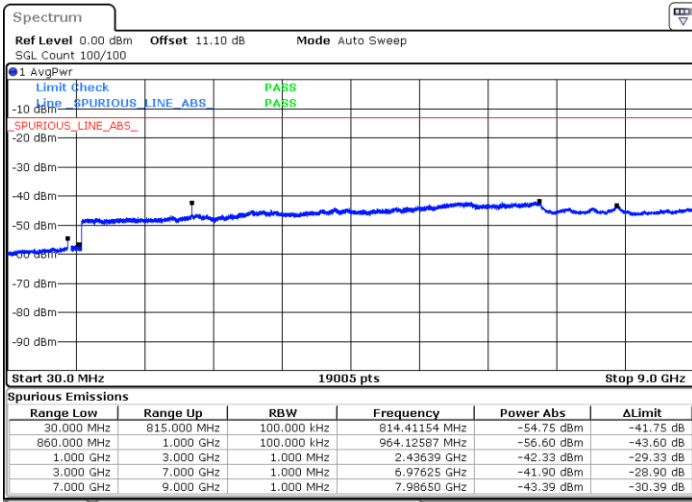
Date: 13.JUL.2020 16:48:35



Date: 13.JUL.2020 16:47:41

Lowest Channel / FullIRB

N/A



Date: 13.JUL.2020 16:49:28

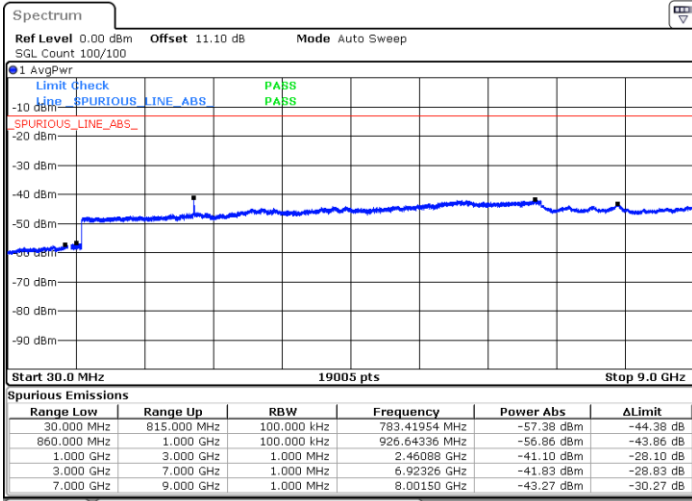


LTE Band 5B / 10MHz+5MHz

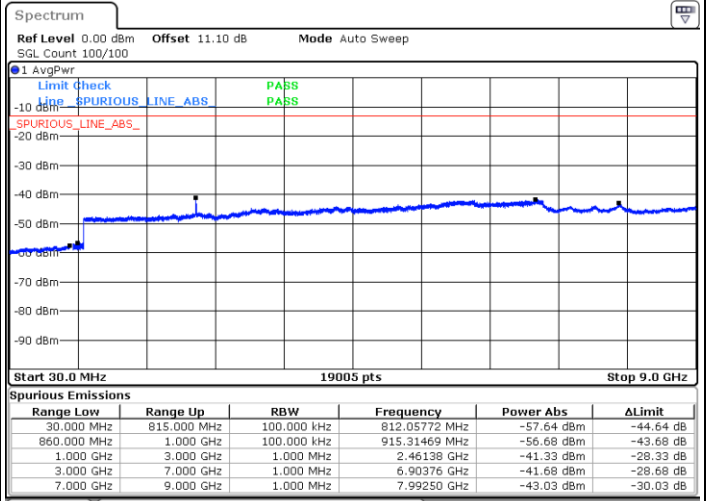
256QAM

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB49 and 1RB0



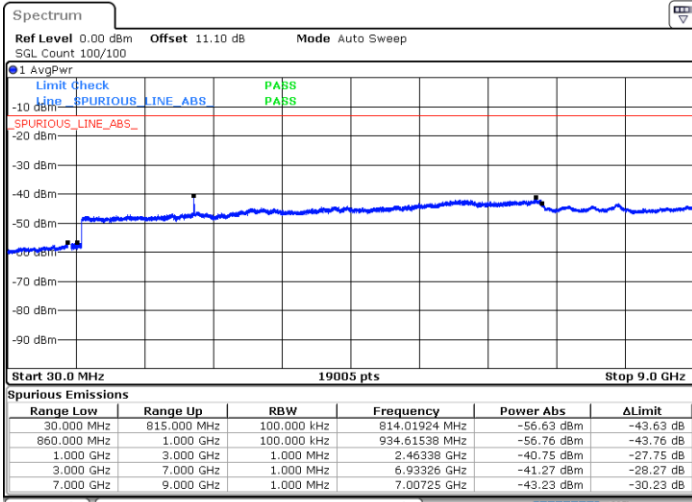
Date: 13.JUL.2020 16:57:57



Date: 13.JUL.2020 16:57:04

Middle Channel / FullIRB

N/A



Date: 13.JUL.2020 16:58:51

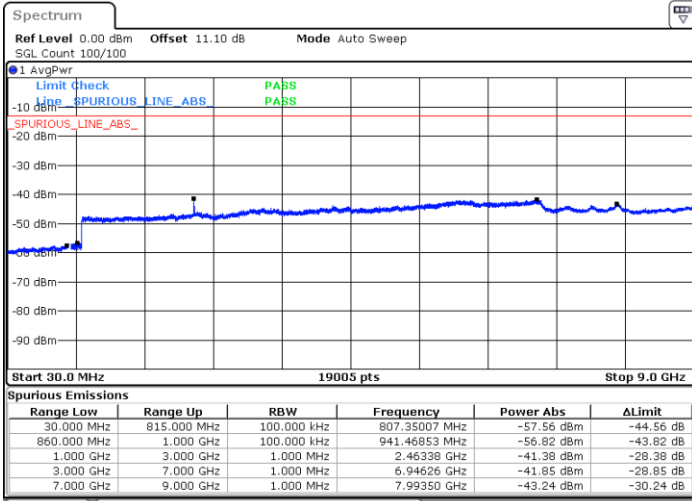


LTE Band 5B / 10MHz+5MHz

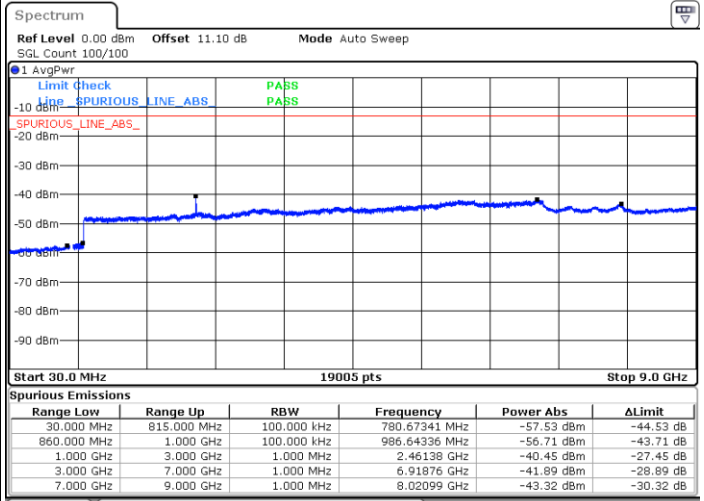
256QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB49 and 1RB0



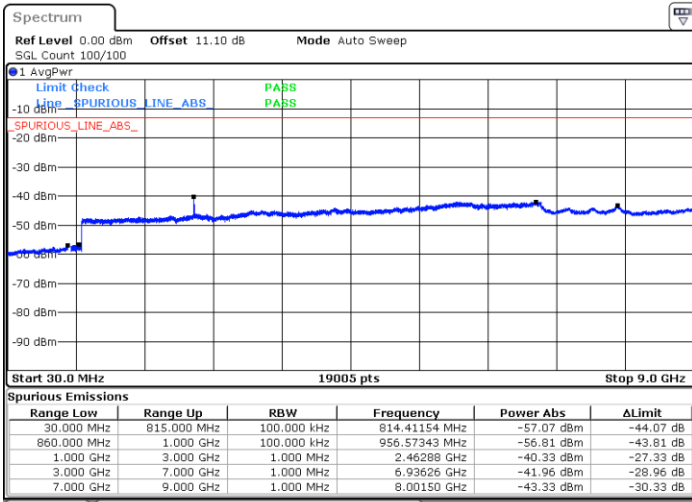
Date: 13.JUL.2020 17:14:05



Date: 13.JUL.2020 17:13:12

Highest Channel / FullIRB

N/A



Date: 13.JUL.2020 17:14:59

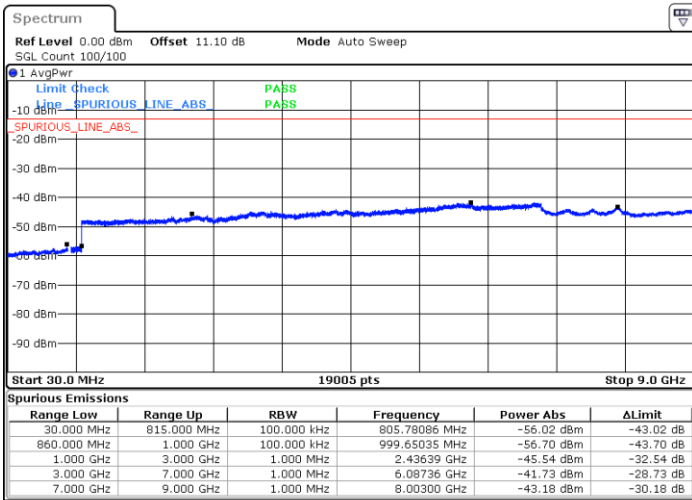


LTE Band 5B / 10MHz+10MHz

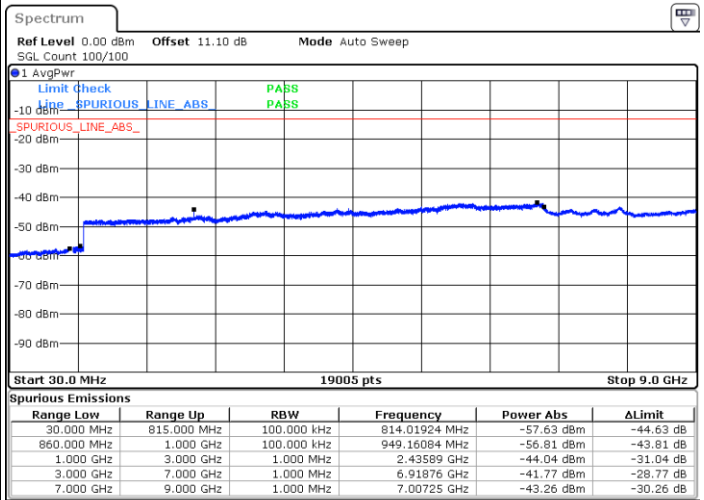
256QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



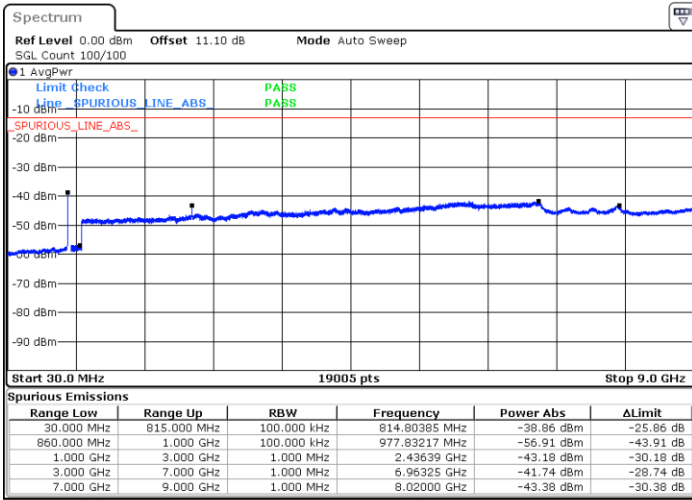
Date: 13.JUL.2020 15:56:06



Date: 13.JUL.2020 15:55:12

Lowest Channel / FullIRB

N/A



Date: 13.JUL.2020 15:56:59

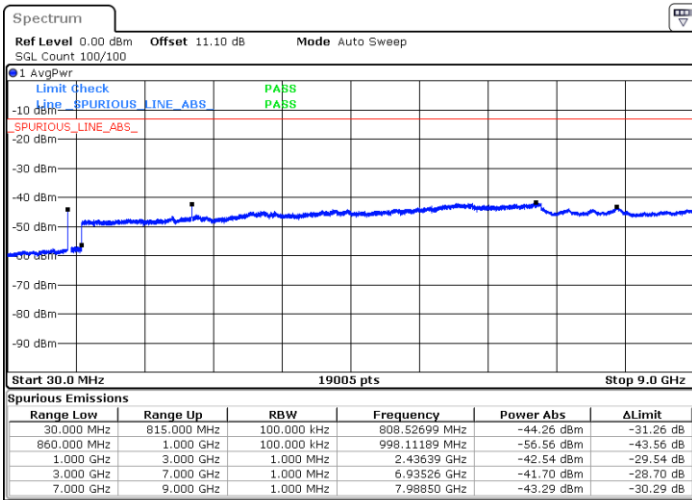


LTE Band 5B / 10MHz+10MHz

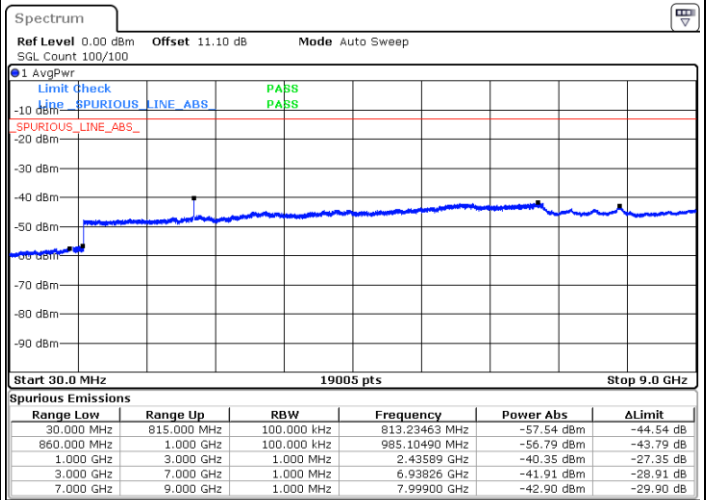
256QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



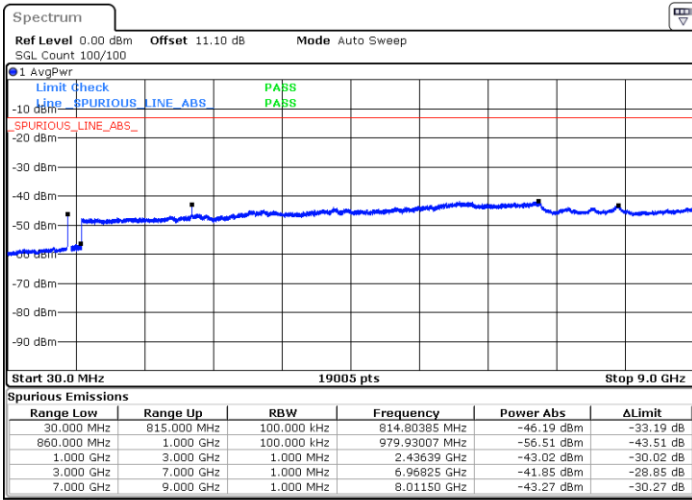
Date: 13.JUL.2020 16:10:29



Date: 13.JUL.2020 16:09:36

Middle Channel / FullIRB

N/A



Date: 13.JUL.2020 16:11:23

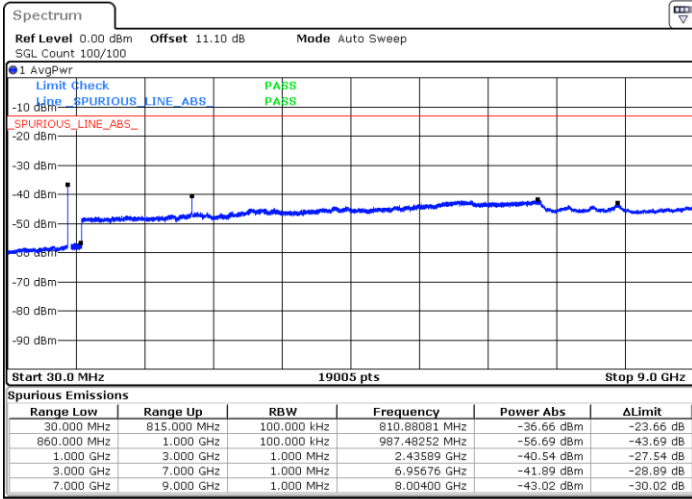


LTE Band 5B / 10MHz+10MHz

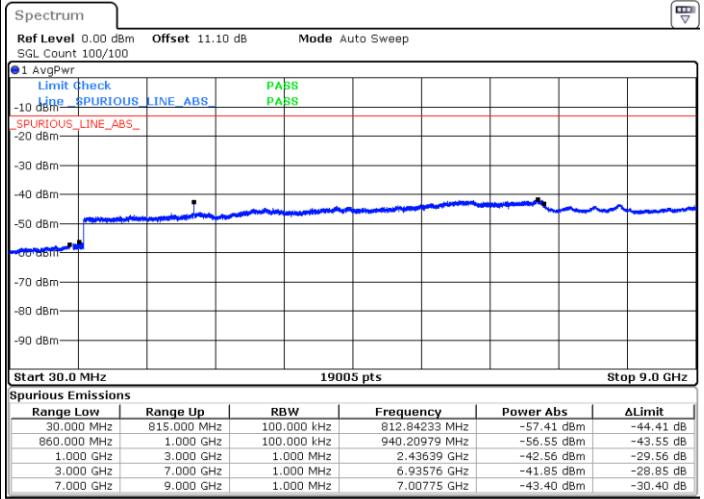
256QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



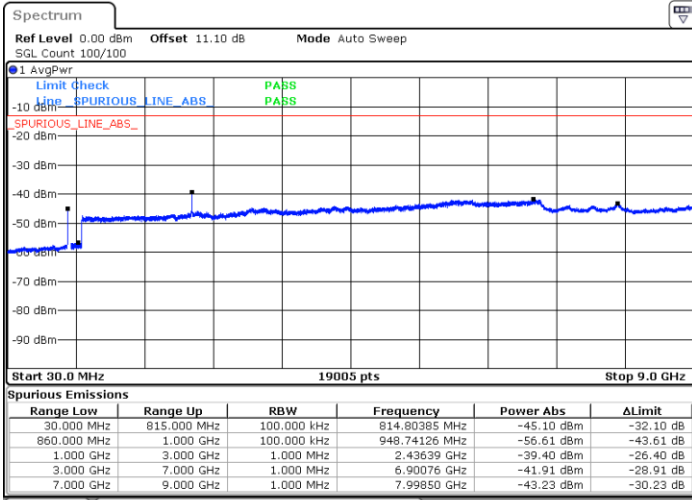
Date: 13.JUL.2020 16:29:59



Date: 13.JUL.2020 16:29:06

Highest Channel / FullIRB

N/A



Date: 13.JUL.2020 16:30:52



# LTE Band 7

## Peak-to-Average Ratio

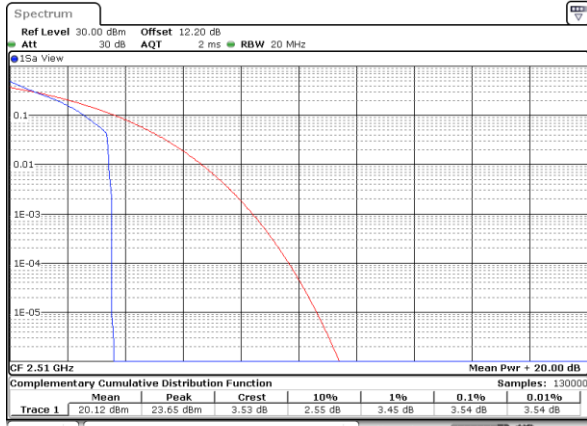
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.55	5.51	5.62	<b>PASS</b>
Middle CH	3.57	5.07	4.58	5.94	
Highest CH	3.65	4.87	5.19	5.88	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	7.16	6.49	5.88	6.55	<b>PASS</b>
Middle CH	7.16	6.38	6.14	6.52	
Highest CH	6.96	6.46	6.32	6.55	





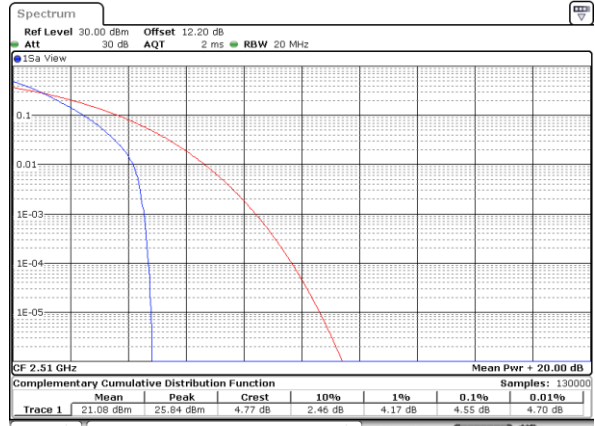
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



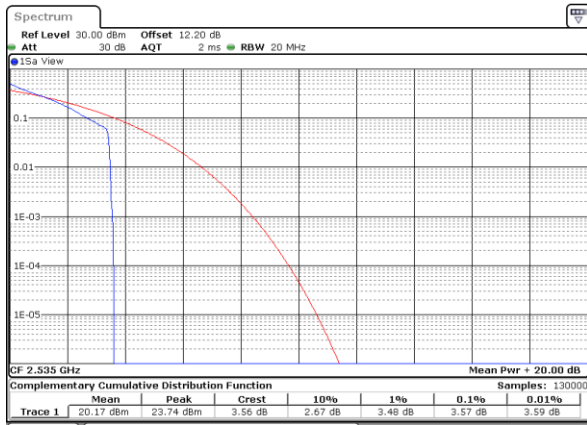
Date: 6 JUN 2020 11:06:34

Lowest Channel / Full RB



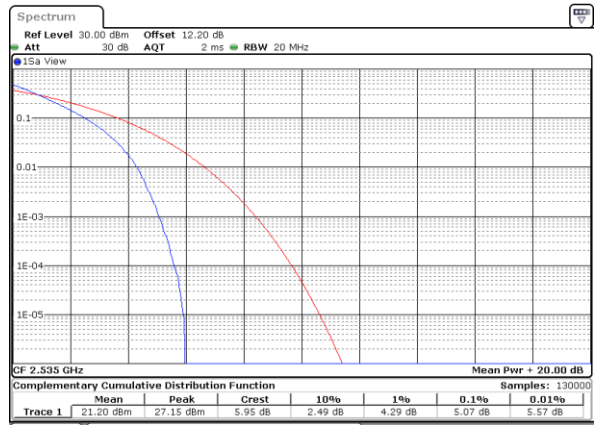
Date: 6 JUN 2020 11:06:46

Middle Channel / 1RB



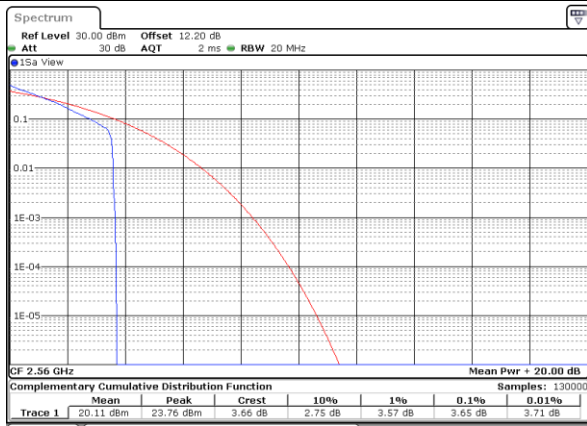
Date: 6 JUN 2020 11:06:57

Middle Channel / Full RB



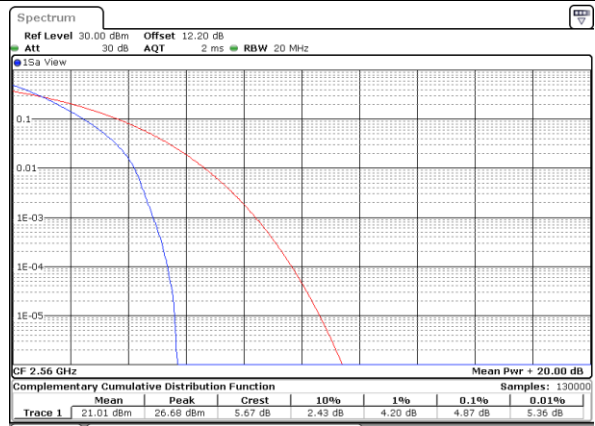
Date: 6 JUN 2020 11:07:07

Highest Channel / 1RB



Date: 6 JUN 2020 11:07:18

Highest Channel / Full RB

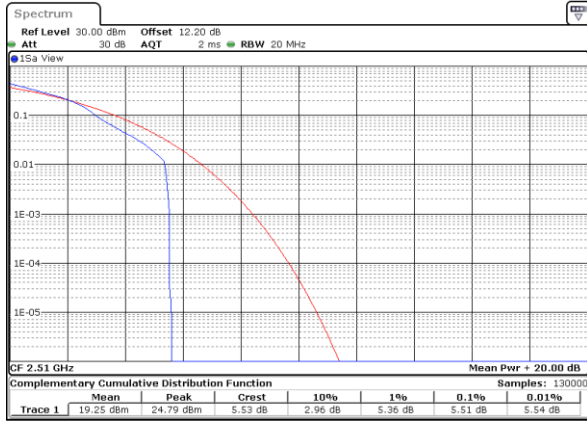


Date: 6 JUN 2020 11:07:29



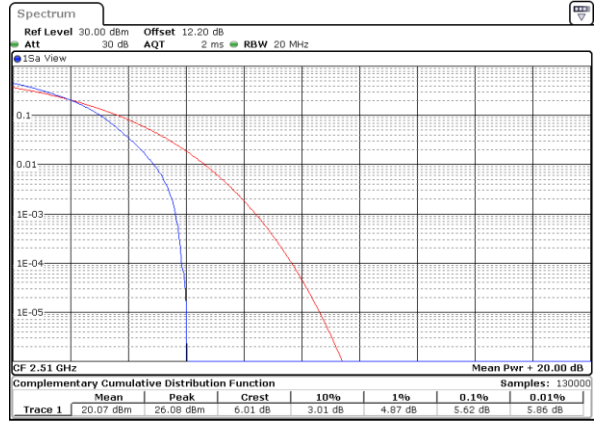
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



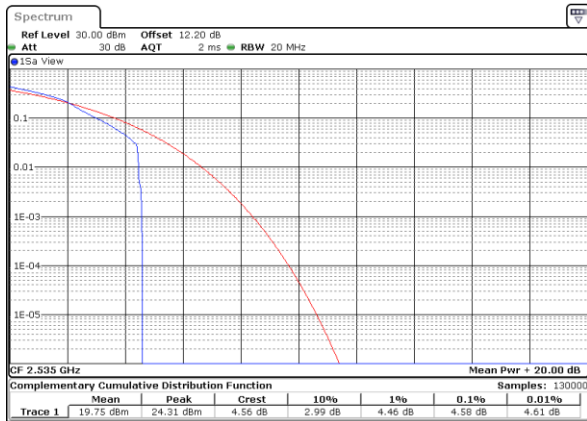
Date: 6 JUN 2020 11:05:21

Lowest Channel / Full RB



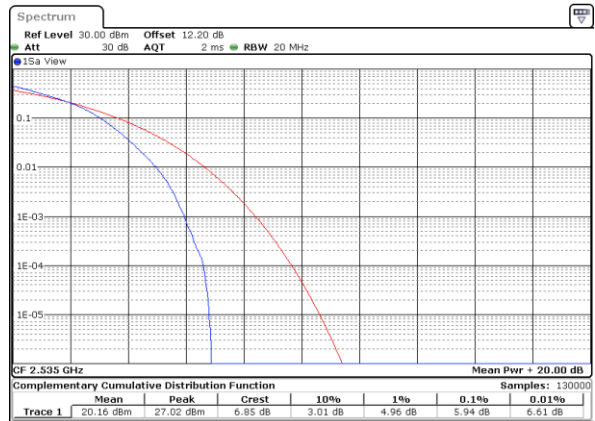
Date: 6 JUN 2020 11:05:36

Middle Channel / 1RB



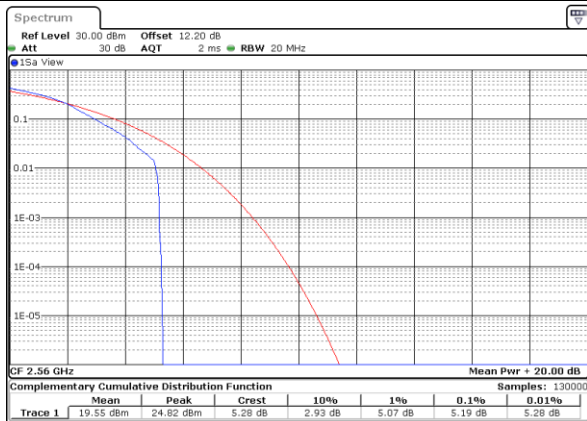
Date: 6 JUN 2020 11:05:48

Middle Channel / Full RB



Date: 6 JUN 2020 11:05:58

Highest Channel / 1RB



Date: 6 JUN 2020 11:06:10

Highest Channel / Full RB

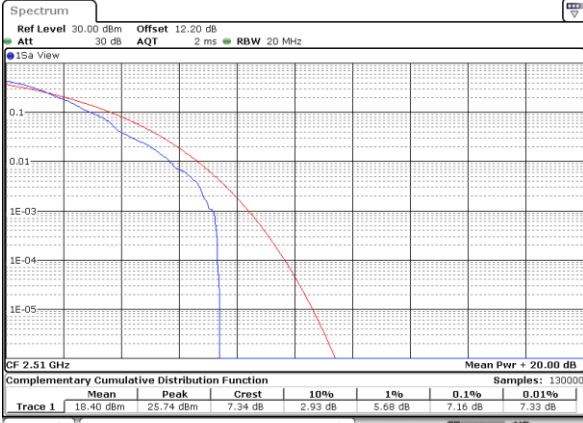


Date: 6 JUN 2020 11:06:23



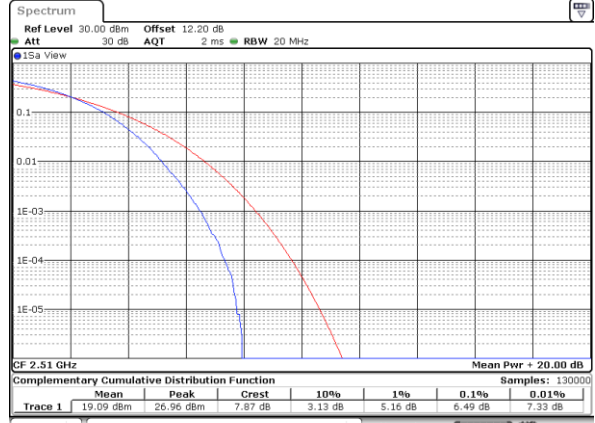
LTE Band 7 / 20MHz / 64QAM

Lowest Channel / 1RB



Date: 6 JUN 2020 11:07:40

Lowest Channel / Full RB



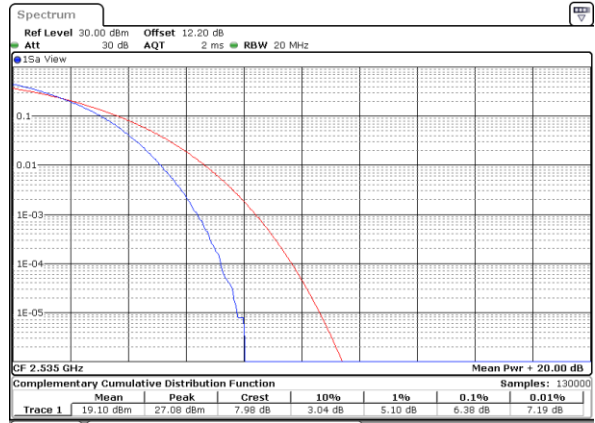
Date: 6 JUN 2020 11:07:59

Middle Channel / 1RB



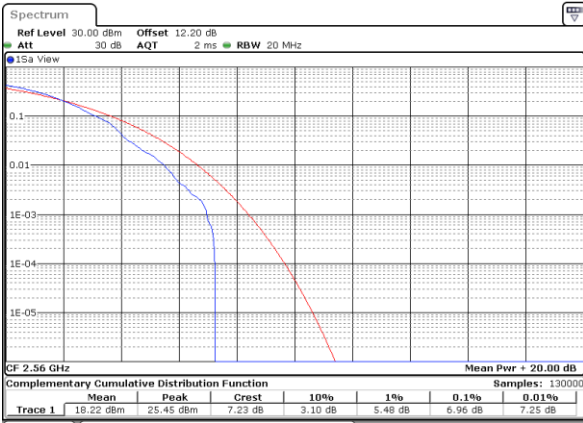
Date: 6 JUN 2020 11:08:11

Middle Channel / Full RB



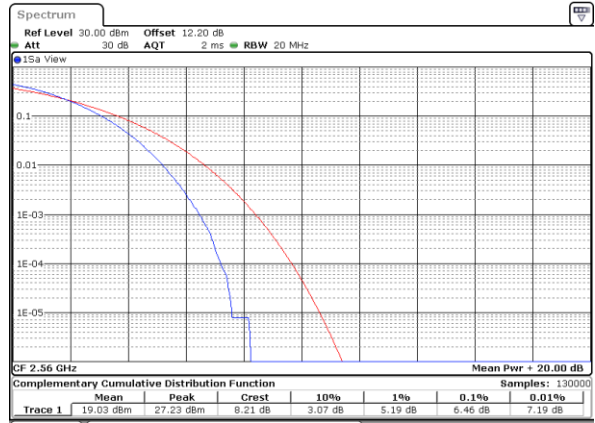
Date: 6 JUN 2020 11:08:22

Highest Channel / 1RB



Date: 6 JUN 2020 11:08:35

Highest Channel / Full RB

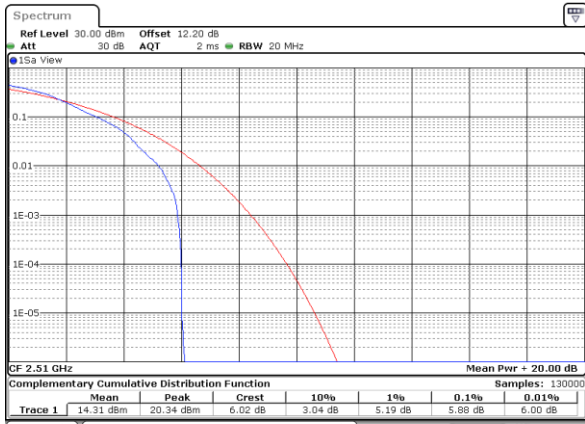


Date: 6 JUN 2020 11:08:46



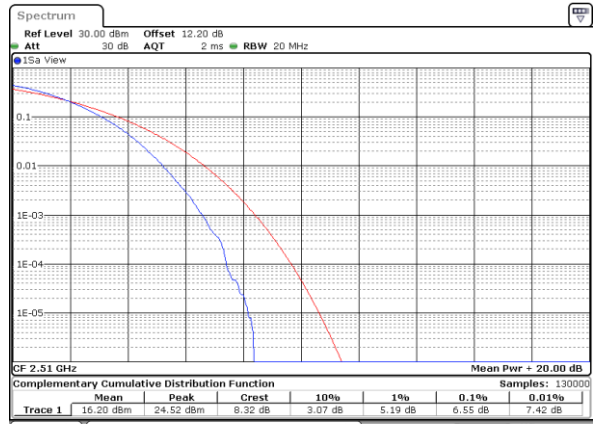
LTE Band 7 / 20MHz / 256QAM

Lowest Channel / 1RB



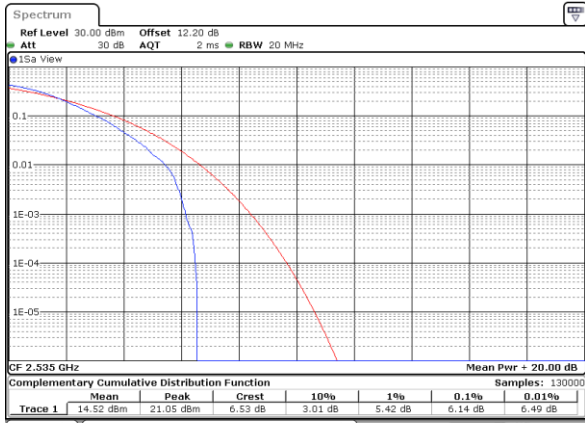
Date: 24\_JUL\_2020 11:44:37

Lowest Channel / Full RB



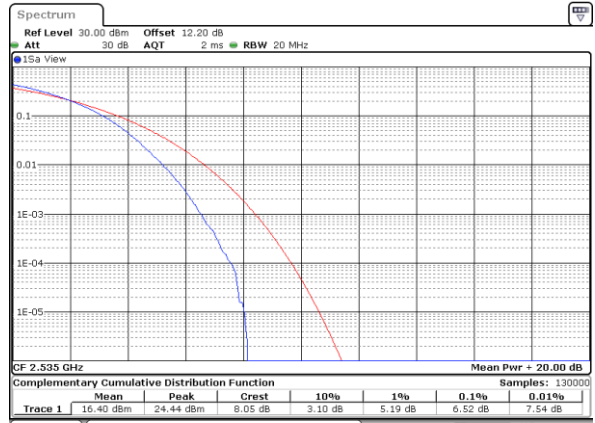
Date: 24\_JUL\_2020 11:44:21

Middle Channel / 1RB



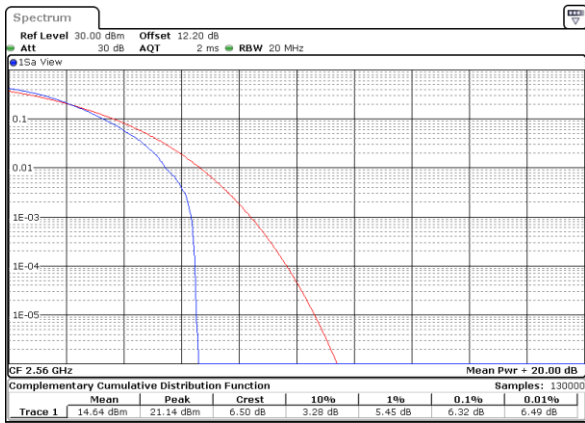
Date: 24\_JUL\_2020 11:43:26

Middle Channel / Full RB



Date: 24\_JUL\_2020 11:43:42

Highest Channel / 1RB



Date: 24\_JUL\_2020 11:43:12

Highest Channel / Full RB



Date: 24\_JUL\_2020 11:43:30



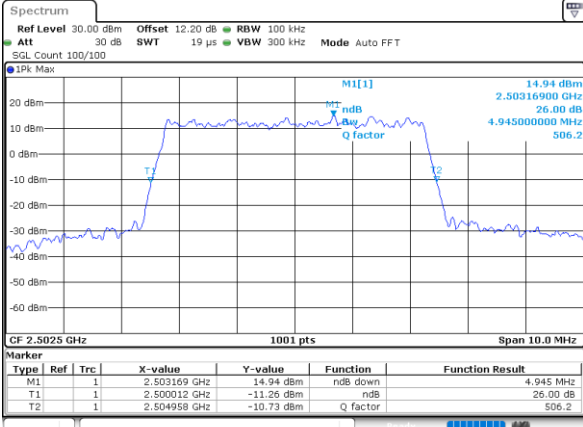
**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.95	4.85	9.87	9.77	14.36	14.42	18.82	19.06
Middle CH	-	-	-	-	4.89	4.76	9.71	9.85	14.45	14.15	19.18	18.66
Highest CH	-	-	-	-	4.88	4.90	9.67	9.77	14.39	14.54	18.66	18.74
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	4.84	4.95	9.79	9.81	14.63	14.42	18.94	18.86
Middle CH	-	-	-	-	4.86	4.88	9.89	9.93	14.30	14.18	18.62	18.94
Highest CH	-	-	-	-	4.91	4.86	9.79	9.71	14.27	14.24	18.94	18.78



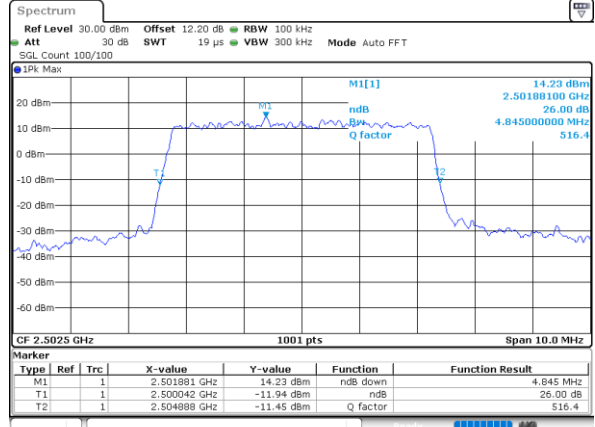
LTE Band 7

Lowest Channel / 5MHz / QPSK



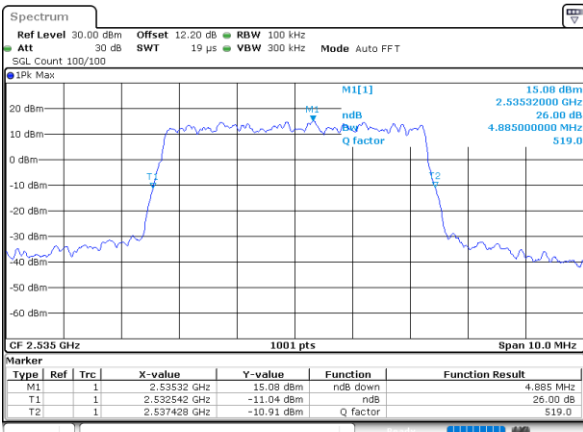
Date: 6 JUN 2020 09:30:11

Lowest Channel / 5MHz / 16QAM



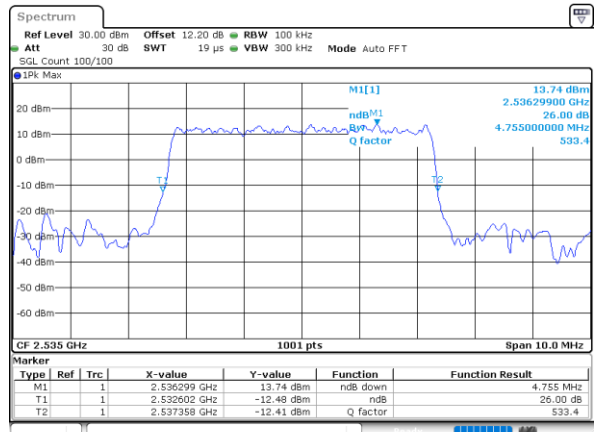
Date: 6 JUN 2020 09:30:23

Middle Channel / 5MHz / QPSK



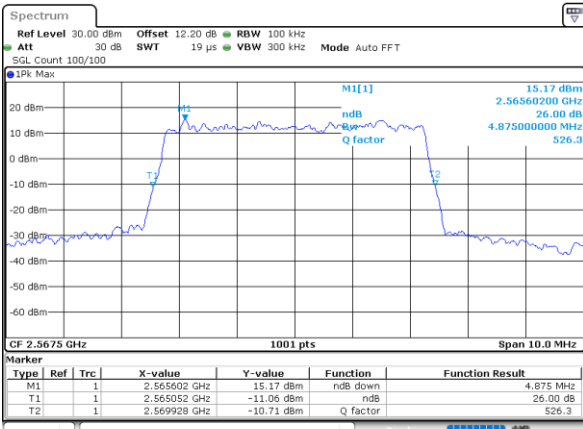
Date: 6 JUN 2020 09:35:38

Middle Channel / 5MHz / 16QAM



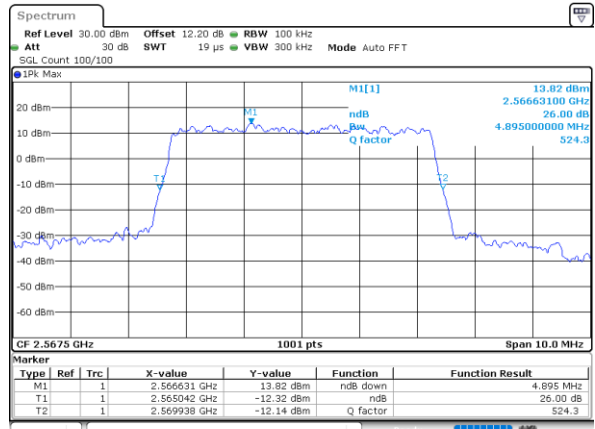
Date: 6 JUN 2020 09:35:49

Highest Channel / 5MHz / QPSK



Date: 6 JUN 2020 09:38:02

Highest Channel / 5MHz / 16QAM

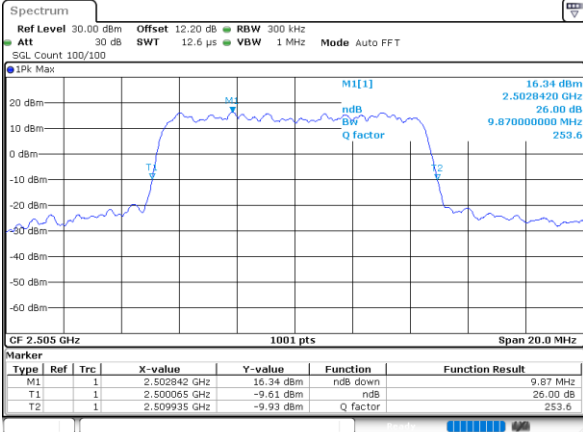


Date: 6 JUN 2020 09:38:14



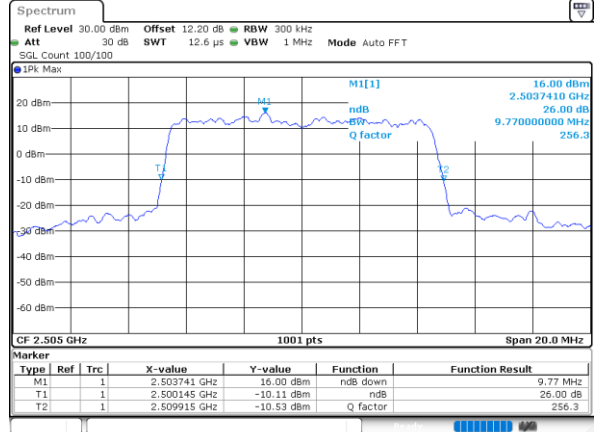
LTE Band 7

Lowest Channel / 10MHz / QPSK



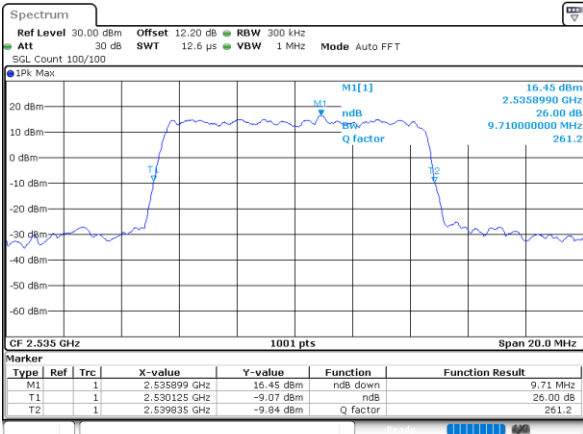
Date: 6 JUN 2020 09:50:08

Lowest Channel / 10MHz / 16QAM



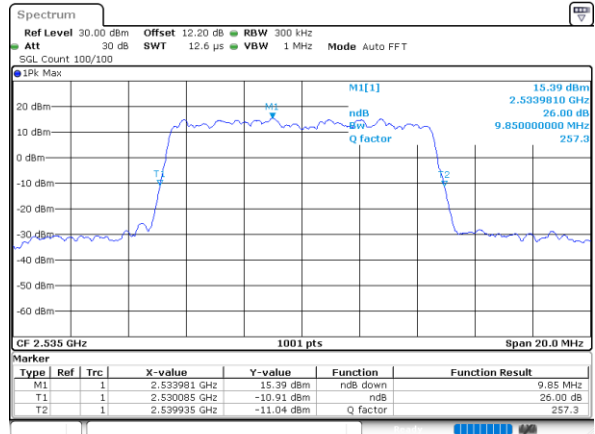
Date: 6 JUN 2020 09:50:20

Middle Channel / 10MHz / QPSK



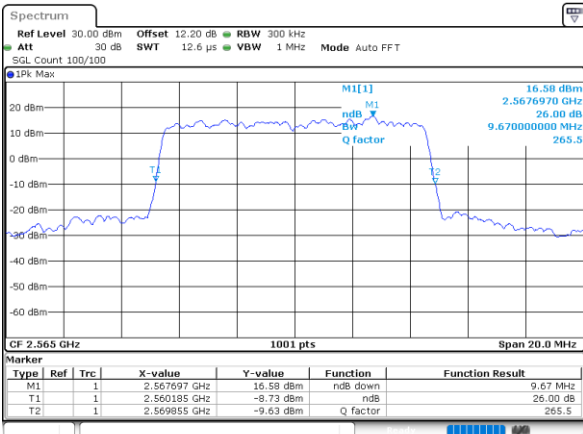
Date: 6 JUN 2020 09:55:33

Middle Channel / 10MHz / 16QAM



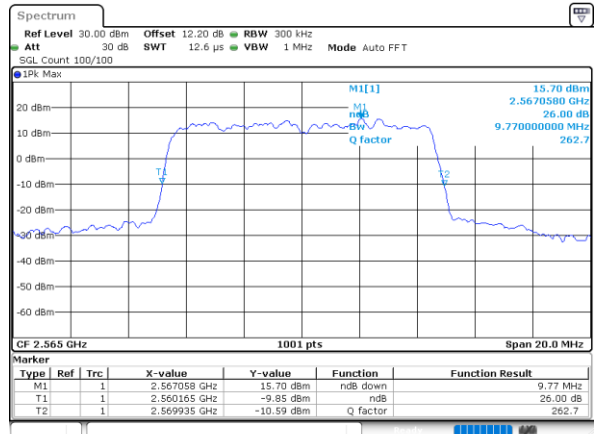
Date: 6 JUN 2020 09:55:45

Highest Channel / 10MHz / QPSK



Date: 6 JUN 2020 09:57:57

Highest Channel / 10MHz / 16QAM



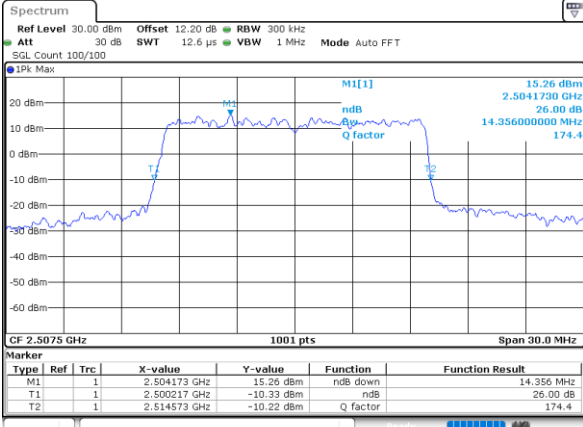
Date: 6 JUN 2020 09:58:09





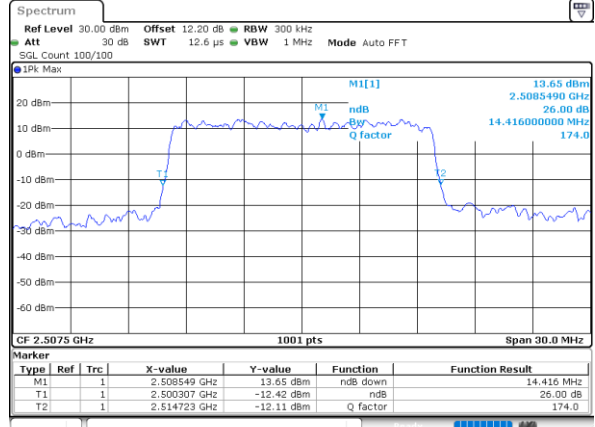
LTE Band 7

Lowest Channel / 15MHz / QPSK



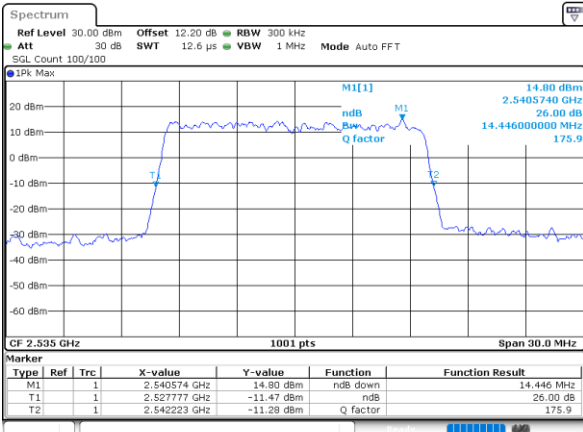
Date: 6 JUN 2020 10:10:03

Lowest Channel / 15MHz / 16QAM



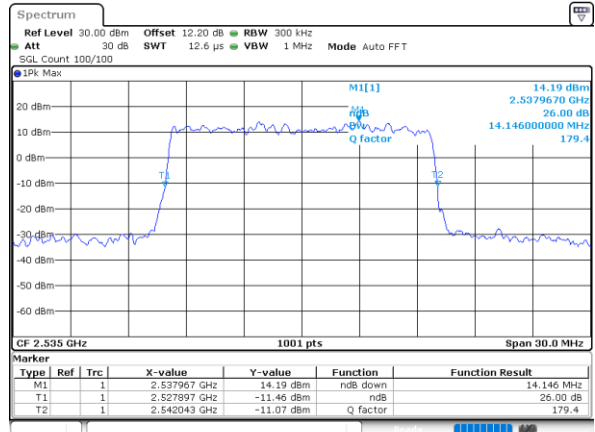
Date: 6 JUN 2020 10:10:14

Middle Channel / 15MHz / QPSK



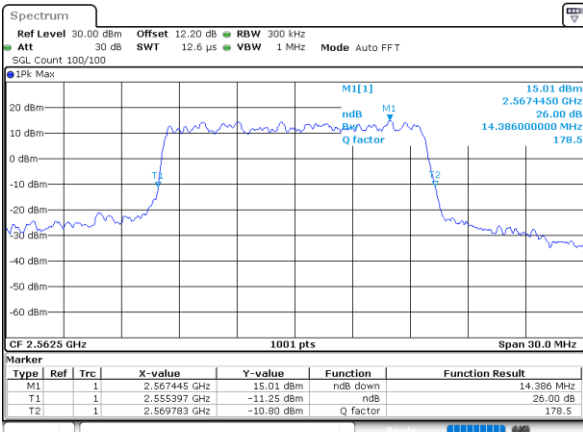
Date: 6 JUN 2020 10:15:30

Middle Channel / 15MHz / 16QAM



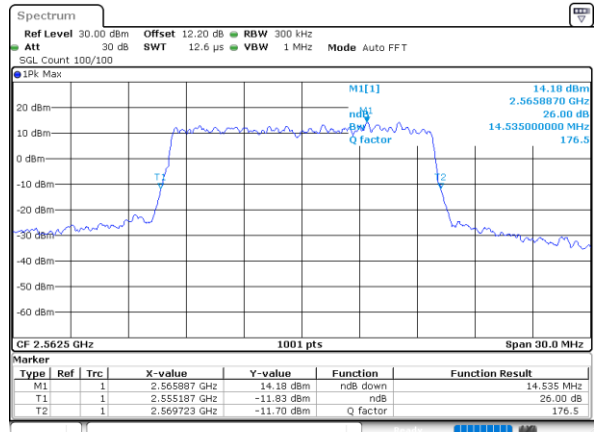
Date: 6 JUN 2020 10:15:41

Highest Channel / 15MHz / QPSK



Date: 6 JUN 2020 10:17:54

Highest Channel / 15MHz / 16QAM



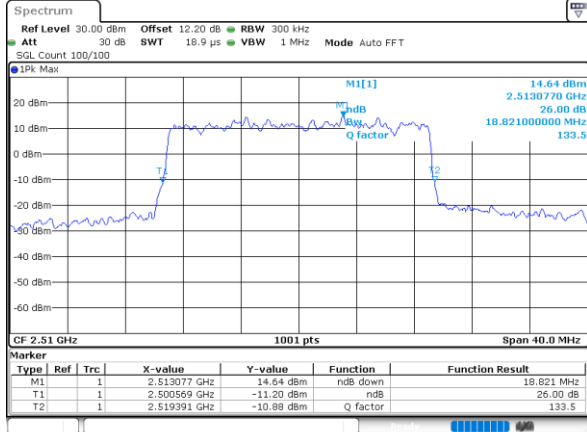
Date: 6 JUN 2020 10:18:05





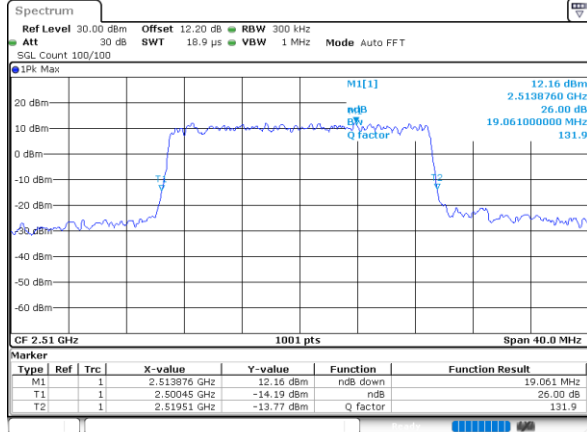
LTE Band 7

Lowest Channel / 20MHz / QPSK



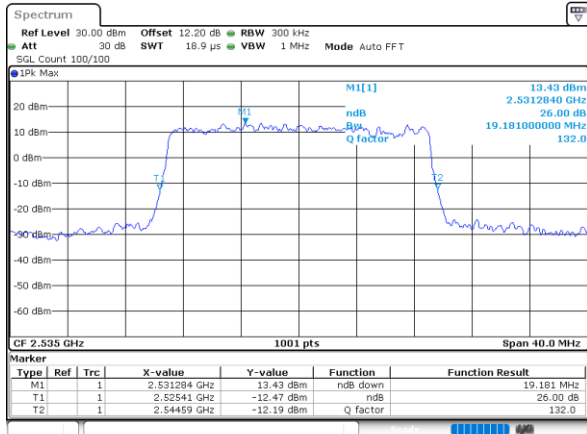
Date: 6 JUN 2020 10:30:00

Lowest Channel / 20MHz / 16QAM



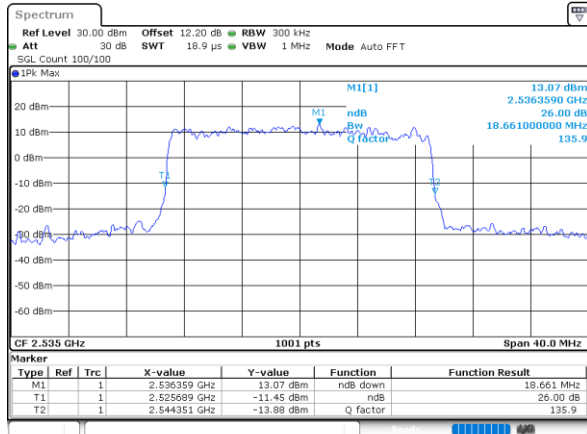
Date: 6 JUN 2020 10:30:12

Middle Channel / 20MHz / QPSK



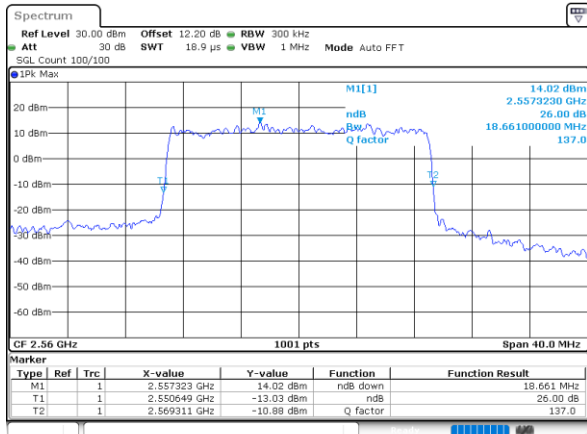
Date: 6 JUN 2020 10:35:27

Middle Channel / 20MHz / 16QAM



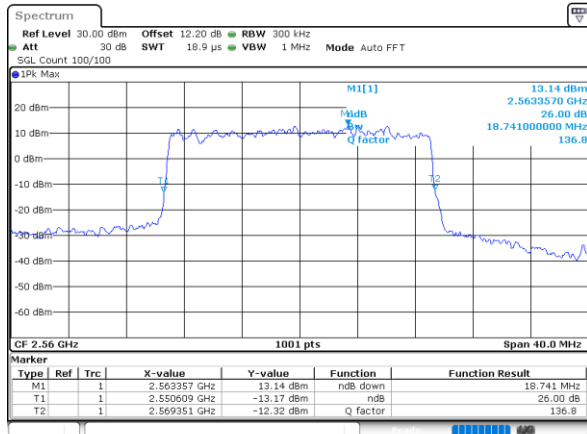
Date: 6 JUN 2020 10:35:38

Highest Channel / 20MHz / QPSK



Date: 6 JUN 2020 10:37:51

Highest Channel / 20MHz / 16QAM

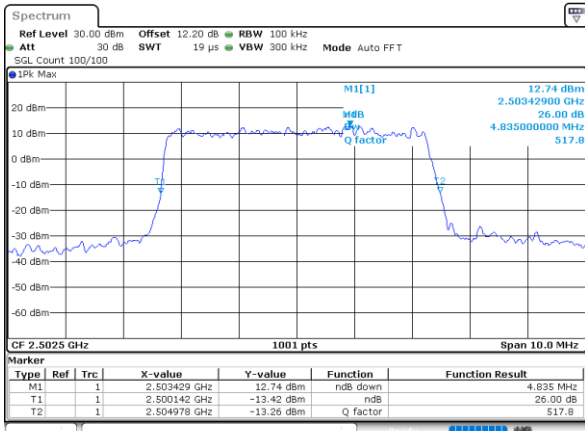


Date: 6 JUN 2020 10:38:03



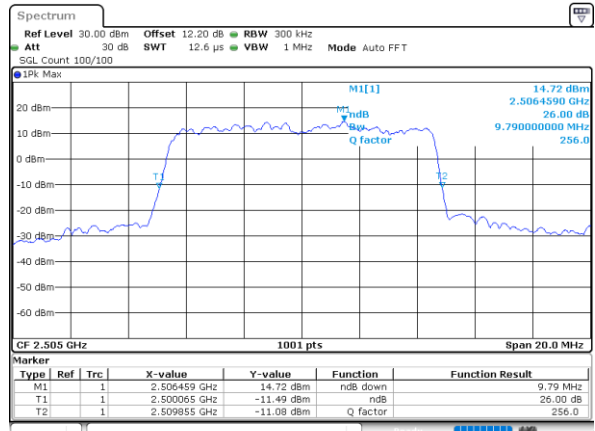
LTE Band 7

Lowest Channel / 5MHz / 64QAM



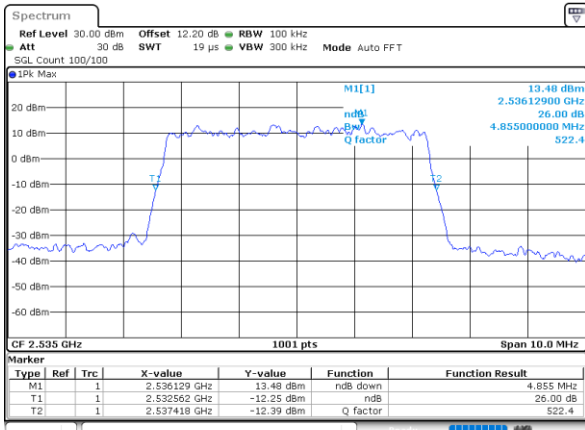
Date: 6 JUN 2020 09:43:17

Lowest Channel / 10MHz / 64QAM



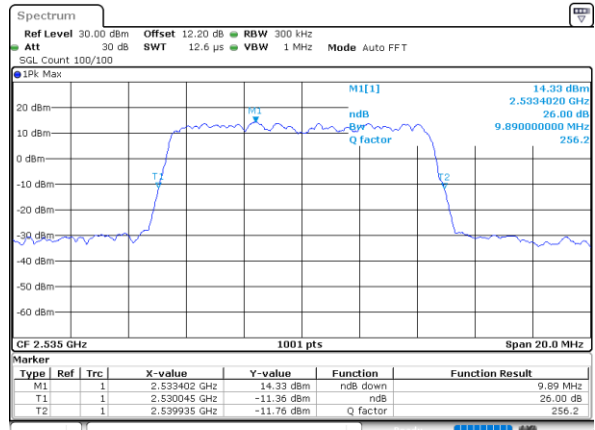
Date: 6 JUN 2020 10:03:12

Middle Channel / 5MHz / 64QAM



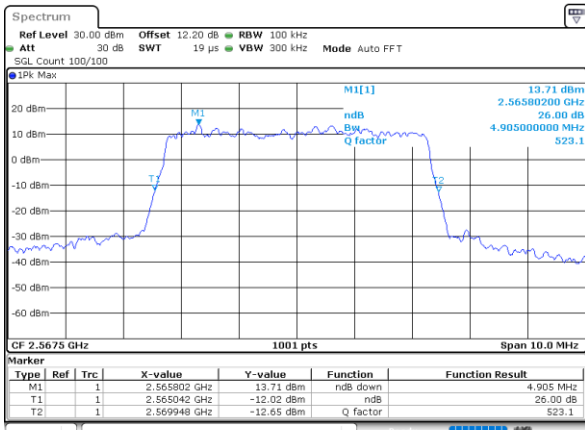
Date: 6 JUN 2020 09:46:00

Middle Channel / 10MHz / 64QAM



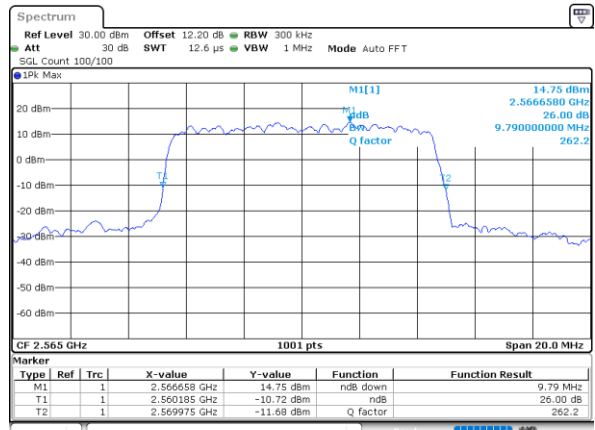
Date: 6 JUN 2020 10:05:55

Highest Channel / 5MHz / 64QAM



Date: 6 JUN 2020 09:47:12

Highest Channel / 10MHz / 64QAM

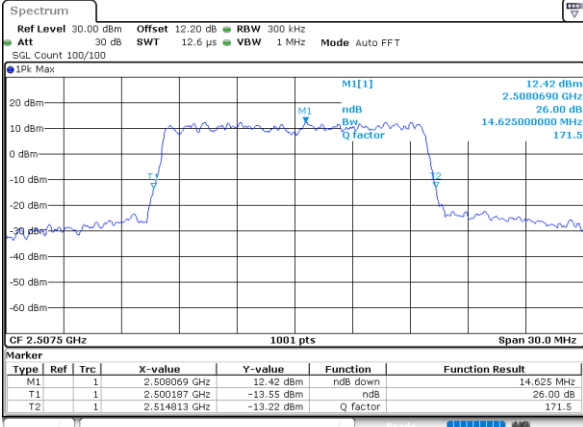


Date: 6 JUN 2020 10:07:07



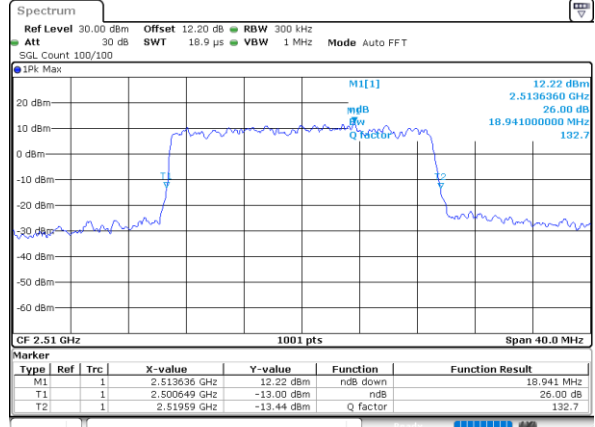
LTE Band 7

Lowest Channel / 15MHz / 64QAM



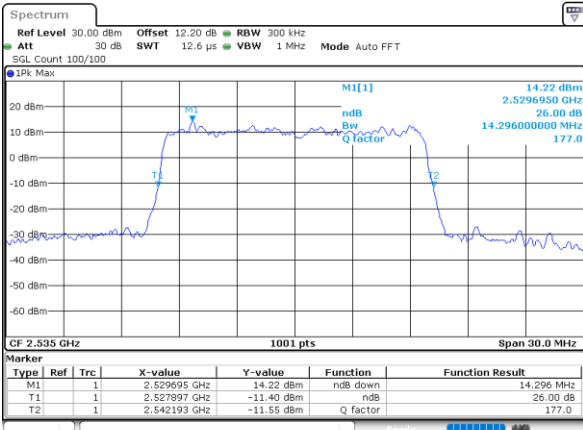
Date: 6 JUN 2020 10:23:09

Lowest Channel / 20MHz / 64QAM



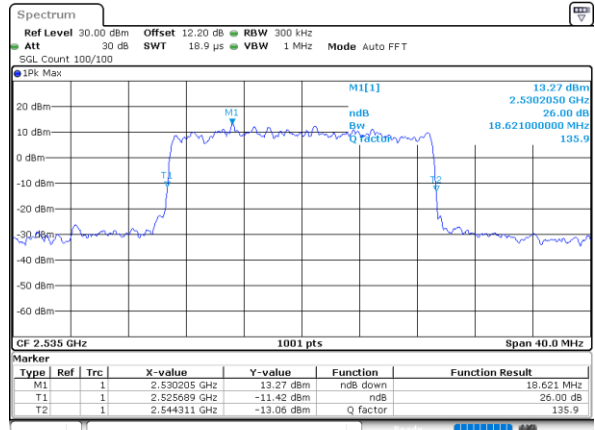
Date: 6 JUN 2020 10:43:06

Middle Channel / 15MHz / 64QAM



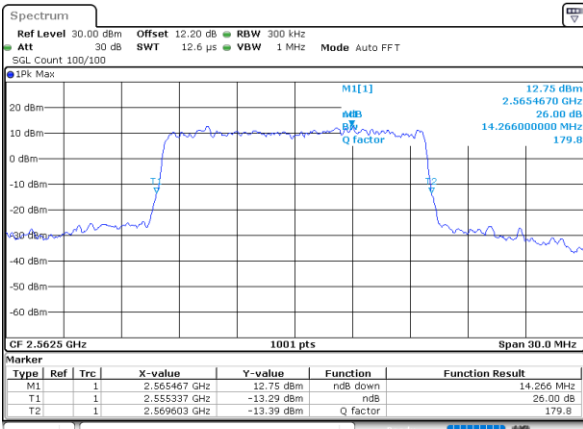
Date: 6 JUN 2020 10:25:52

Middle Channel / 20MHz / 64QAM



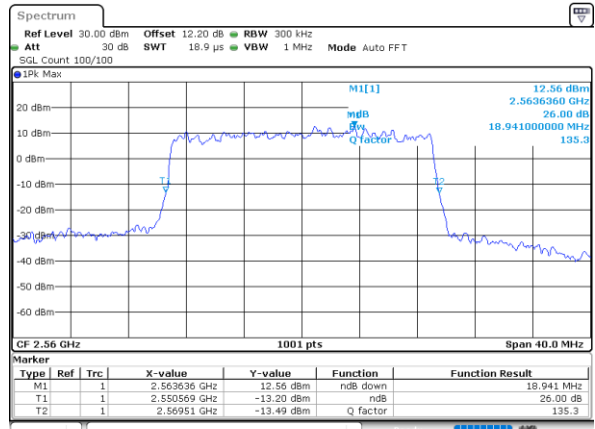
Date: 6 JUN 2020 10:45:49

Highest Channel / 15MHz / 64QAM



Date: 6 JUN 2020 10:27:04

Highest Channel / 20MHz / 64QAM

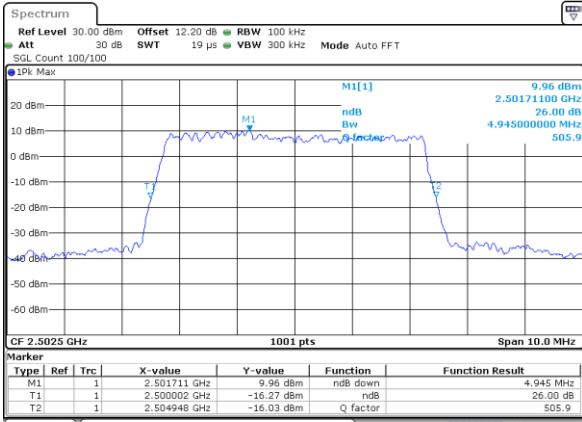


Date: 6 JUN 2020 10:47:02



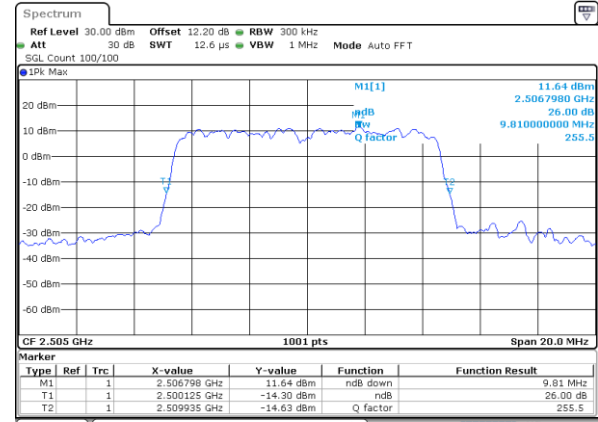
LTE Band 7

Lowest Channel / 5MHz / 256QAM



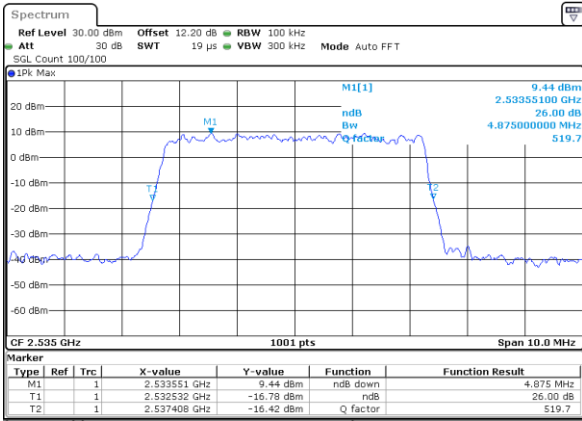
Date: 24.JUL.2020 11:05:55

Lowest Channel / 10MHz / 256QAM



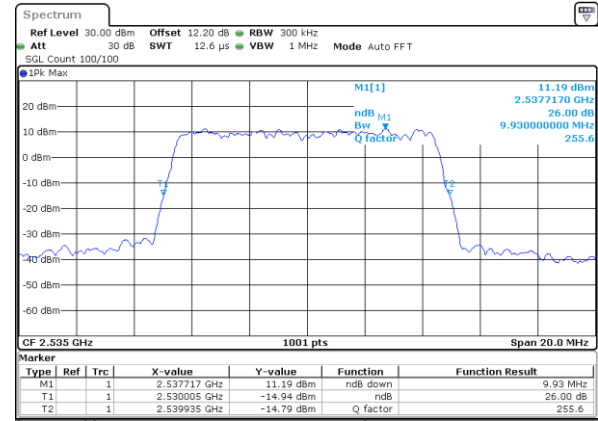
Date: 24.JUL.2020 11:20:57

Middle Channel / 5MHz / 256QAM



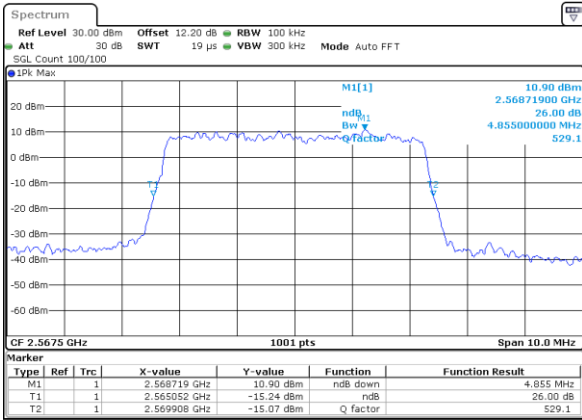
Date: 24.JUL.2020 11:10:55

Middle Channel / 10MHz / 256QAM



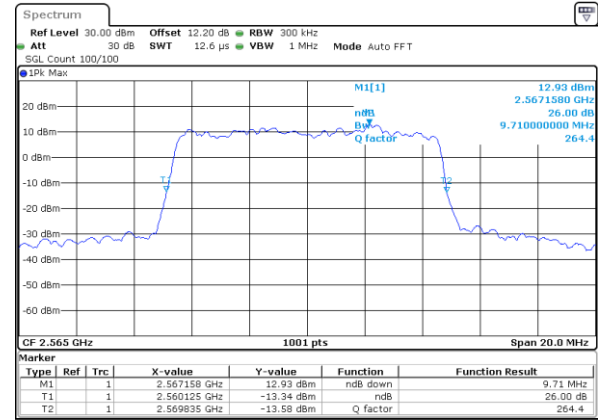
Date: 24.JUL.2020 11:17:12

Highest Channel / 5MHz / 256QAM



Date: 24.JUL.2020 11:12:36

Highest Channel / 10MHz / 256QAM

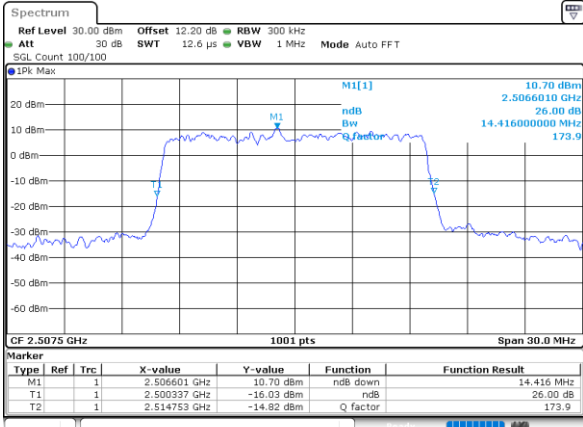


Date: 24.JUL.2020 11:22:03



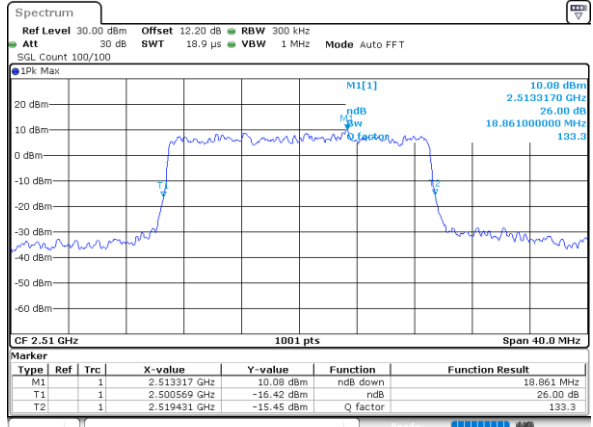
LTE Band 7

Lowest Channel / 15MHz / 256QAM



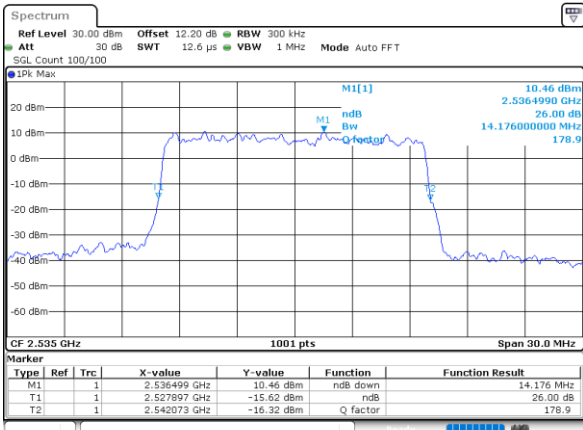
Date: 24\_JUL\_2020 11:29:59

Lowest Channel / 20MHz / 256QAM



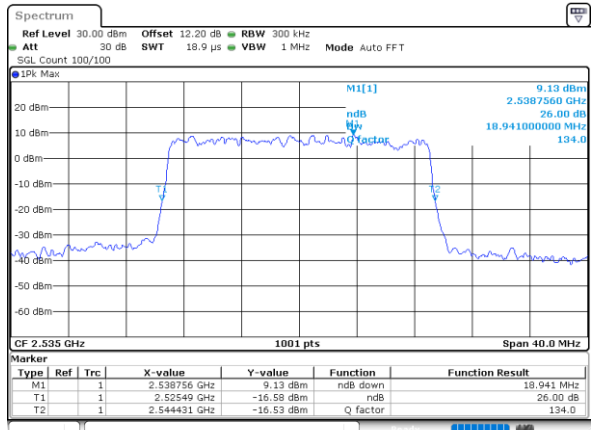
Date: 24\_JUL\_2020 11:38:03

Middle Channel / 15MHz / 256QAM



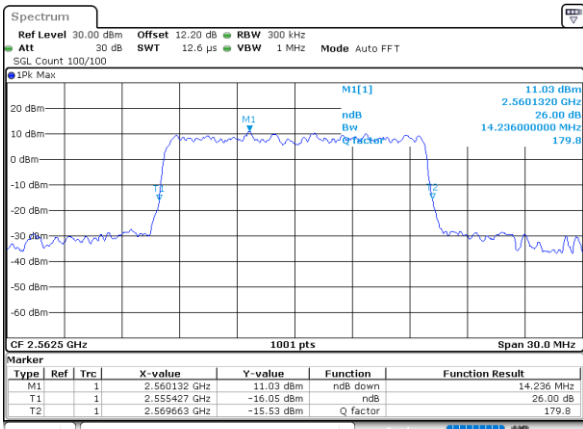
Date: 24\_JUL\_2020 11:24:42

Middle Channel / 20MHz / 256QAM



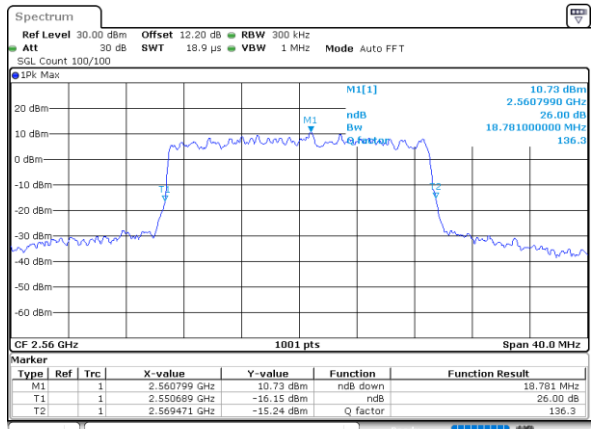
Date: 24\_JUL\_2020 11:34:17

Highest Channel / 15MHz / 256QAM



Date: 24\_JUL\_2020 11:31:14

Highest Channel / 20MHz / 256QAM



Date: 24\_JUL\_2020 11:39:53



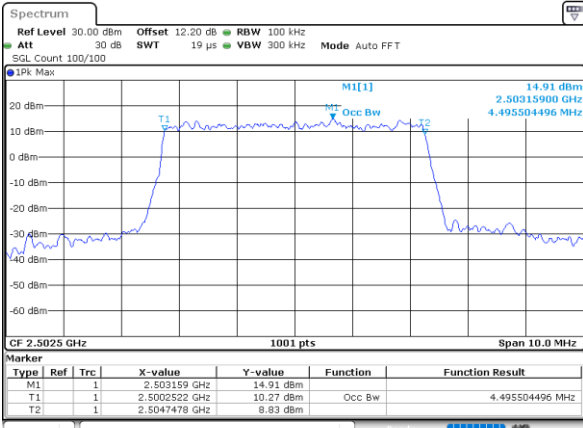
**Occupied Bandwidth**

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.49	8.99	8.99	13.40	13.46	17.90	17.90
Middle CH	-	-	-	-	4.49	4.48	8.97	9.03	13.43	13.37	17.86	17.90
Highest CH	-	-	-	-	4.50	4.48	8.99	9.01	13.46	13.43	17.82	17.90
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	4.49	4.49	9.07	8.93	13.46	13.46	17.82	17.86
Middle CH	-	-	-	-	4.46	4.50	9.01	8.99	13.40	13.46	17.78	17.90
Highest CH	-	-	-	-	4.50	4.48	9.01	9.03	13.49	13.40	17.78	17.86



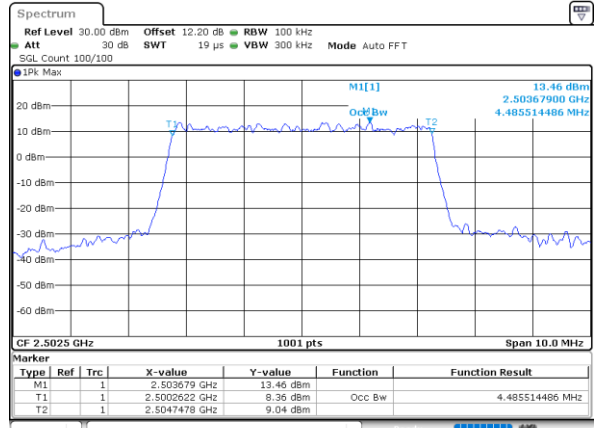
LTE Band 7

Lowest Channel / 5MHz / QPSK



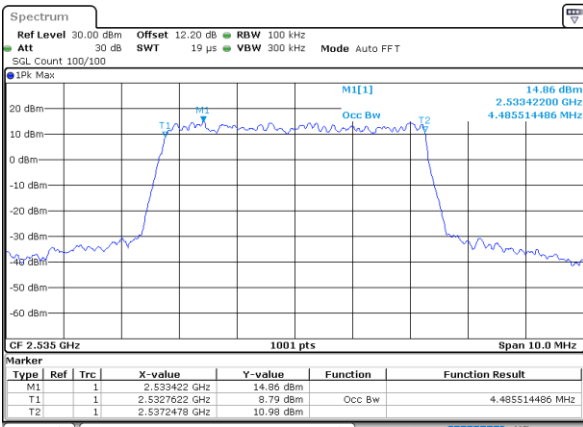
Date: 6 JUN 2020 09:29:47

Lowest Channel / 5MHz / 16QAM



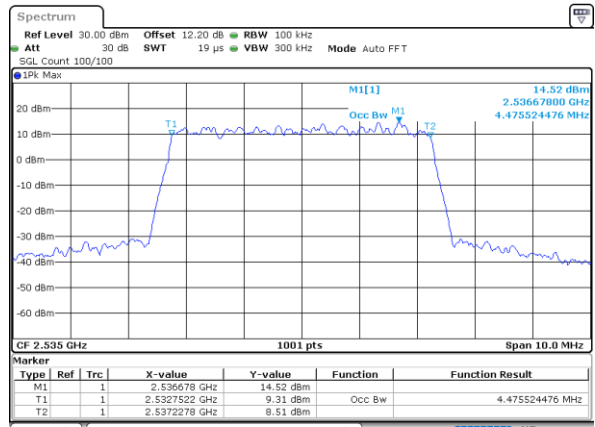
Date: 6 JUN 2020 09:29:59

Middle Channel / 5MHz / QPSK



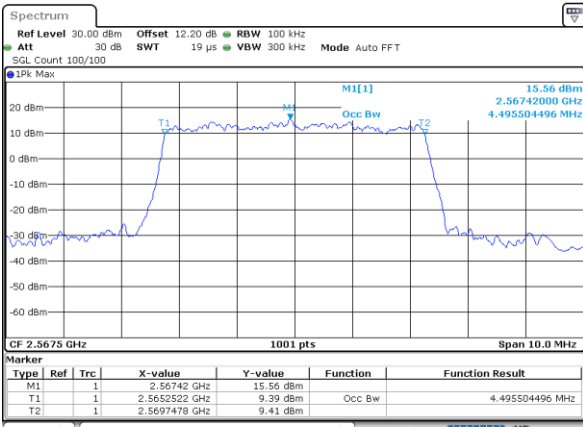
Date: 6 JUN 2020 09:35:16

Middle Channel / 5MHz / 16QAM



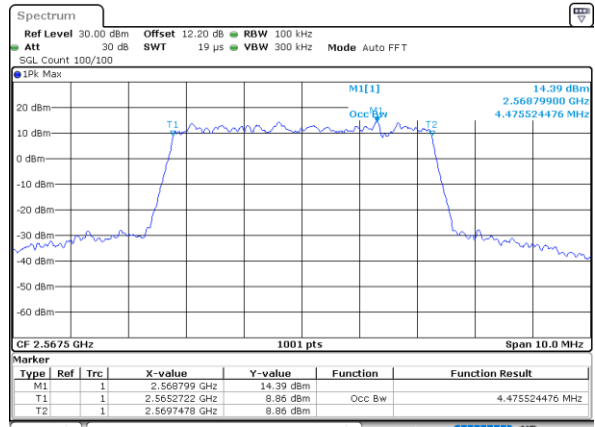
Date: 6 JUN 2020 09:35:27

Highest Channel / 5MHz / QPSK



Date: 6 JUN 2020 09:37:39

Highest Channel / 5MHz / 16QAM

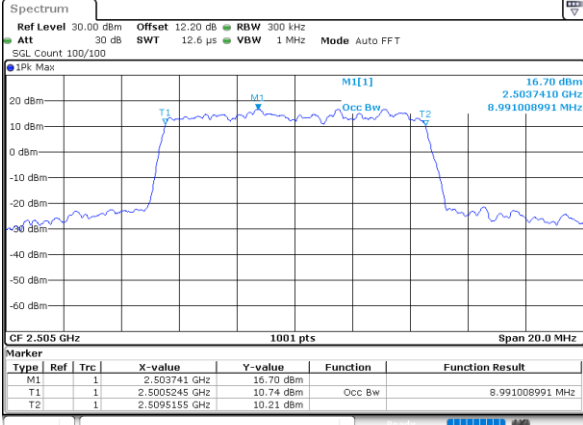


Date: 6 JUN 2020 09:37:50



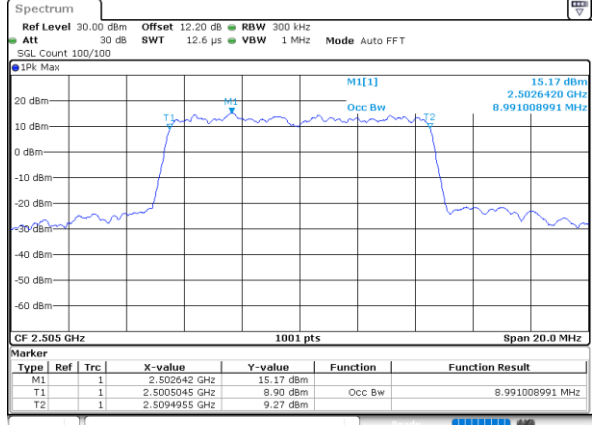
LTE Band 7

Lowest Channel / 10MHz / QPSK



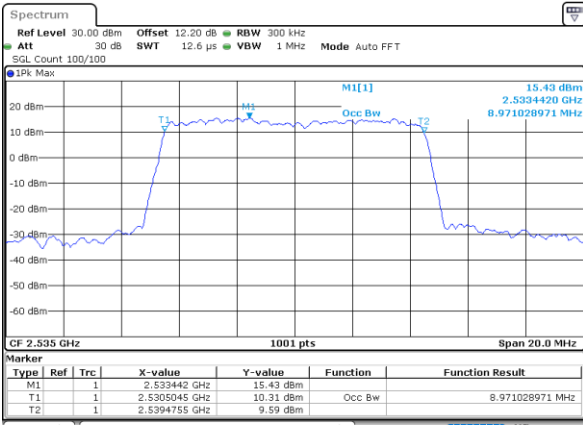
Date: 6 JUN 2020 09:49:44

Lowest Channel / 10MHz / 16QAM



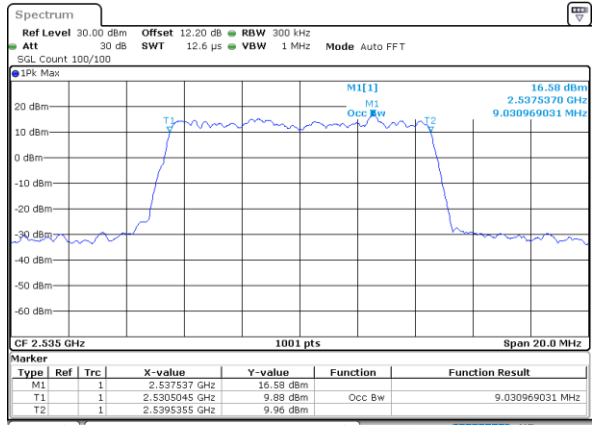
Date: 6 JUN 2020 09:49:56

Middle Channel / 10MHz / QPSK



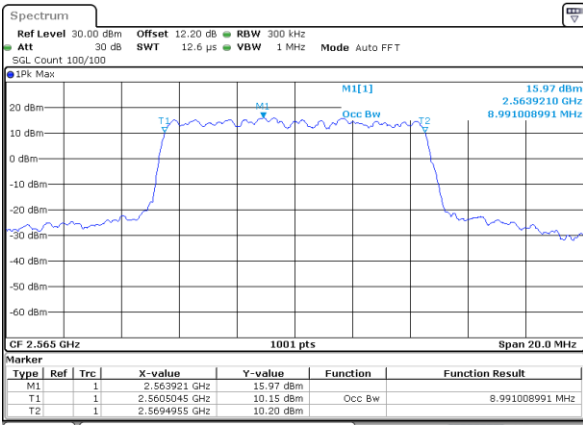
Date: 6 JUN 2020 09:55:11

Middle Channel / 10MHz / 16QAM



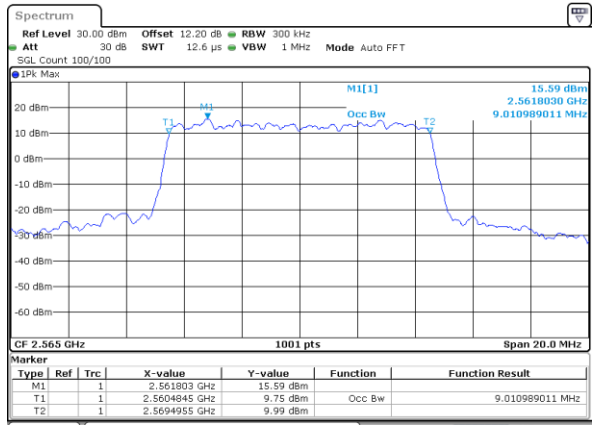
Date: 6 JUN 2020 09:55:22

Highest Channel / 10MHz / QPSK



Date: 6 JUN 2020 09:57:34

Highest Channel / 10MHz / 16QAM



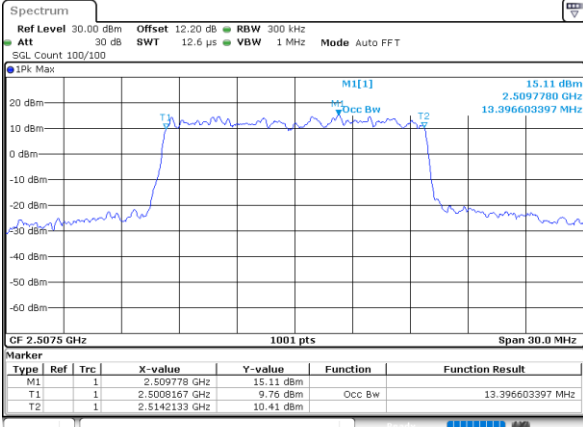
Date: 6 JUN 2020 09:57:46





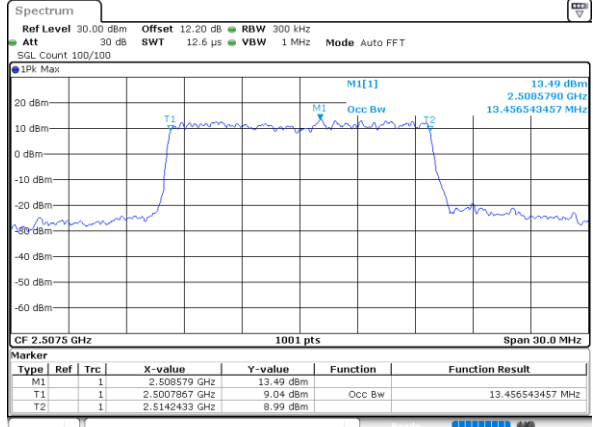
LTE Band 7

Lowest Channel / 15MHz / QPSK



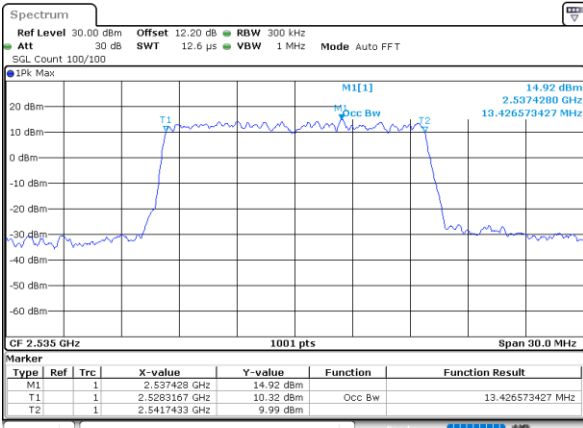
Date: 6 JUN 2020 10:09:39

Lowest Channel / 15MHz / 16QAM



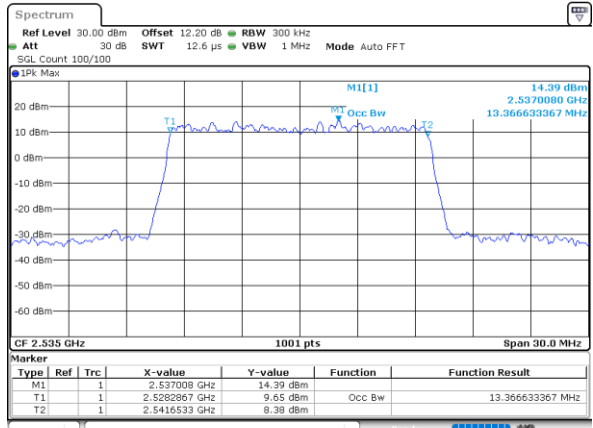
Date: 6 JUN 2020 10:09:51

Middle Channel / 15MHz / QPSK



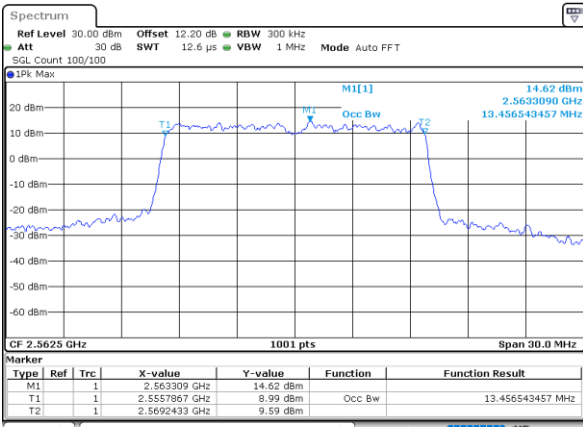
Date: 6 JUN 2020 10:15:07

Middle Channel / 15MHz / 16QAM



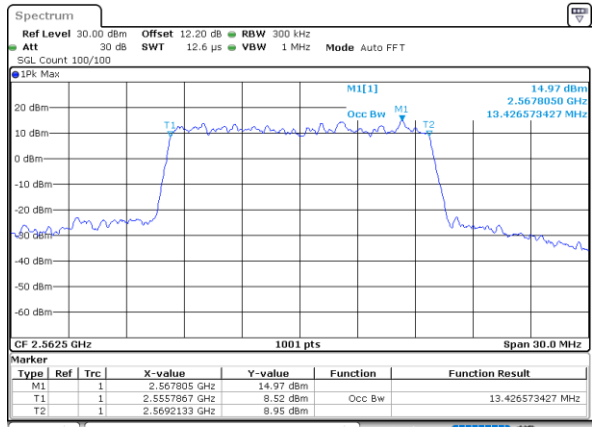
Date: 6 JUN 2020 10:15:18

Highest Channel / 15MHz / QPSK



Date: 6 JUN 2020 10:17:30

Highest Channel / 15MHz / 16QAM

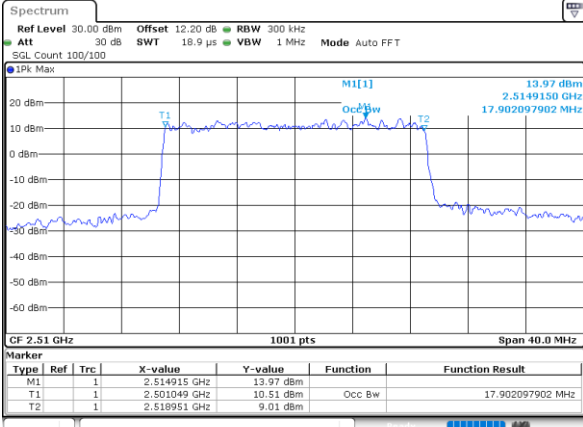


Date: 6 JUN 2020 10:17:42



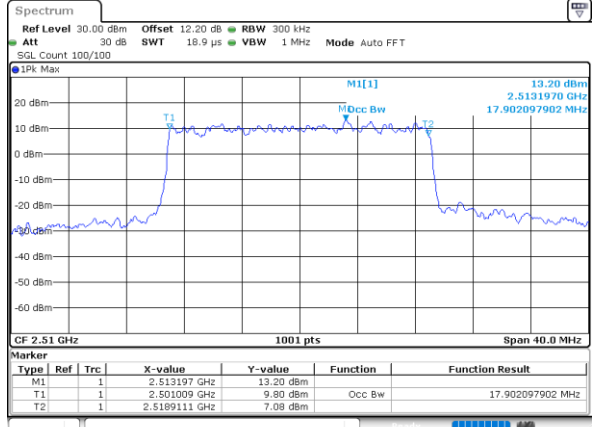
LTE Band 7

Lowest Channel / 20MHz / QPSK



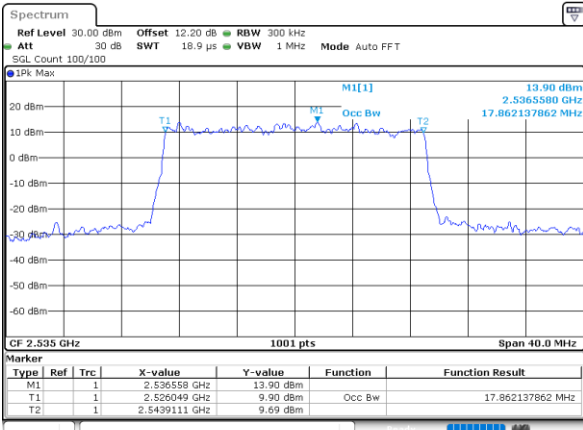
Date: 6 JUN 2020 10:29:36

Lowest Channel / 20MHz / 16QAM



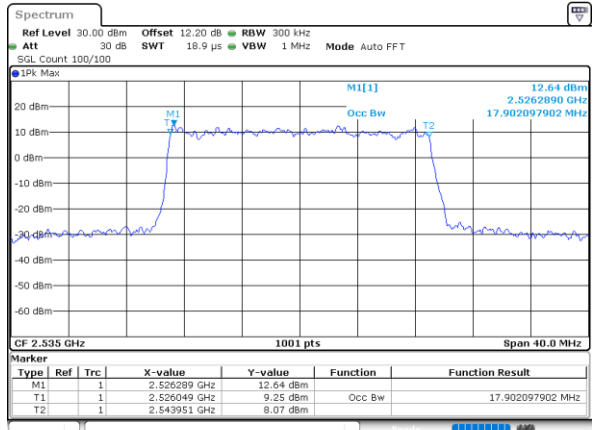
Date: 6 JUN 2020 10:29:48

Middle Channel / 20MHz / QPSK



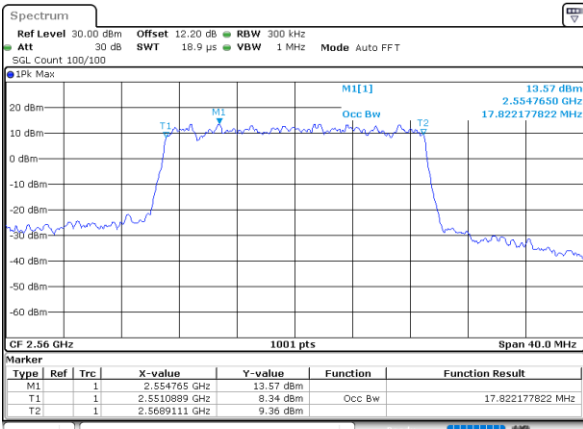
Date: 6 JUN 2020 10:35:05

Middle Channel / 20MHz / 16QAM



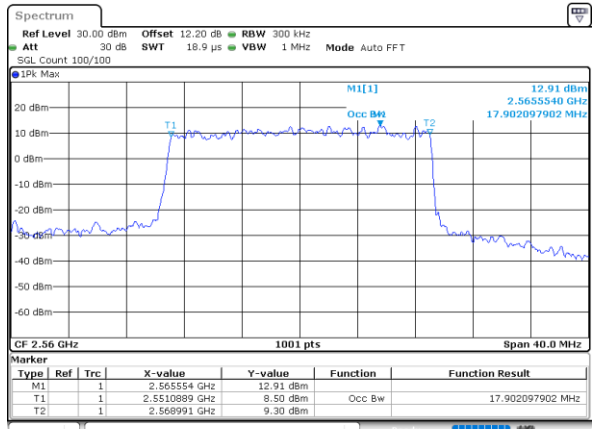
Date: 6 JUN 2020 10:35:16

Highest Channel / 20MHz / QPSK



Date: 6 JUN 2020 10:37:28

Highest Channel / 20MHz / 16QAM



Date: 6 JUN 2020 10:37:39