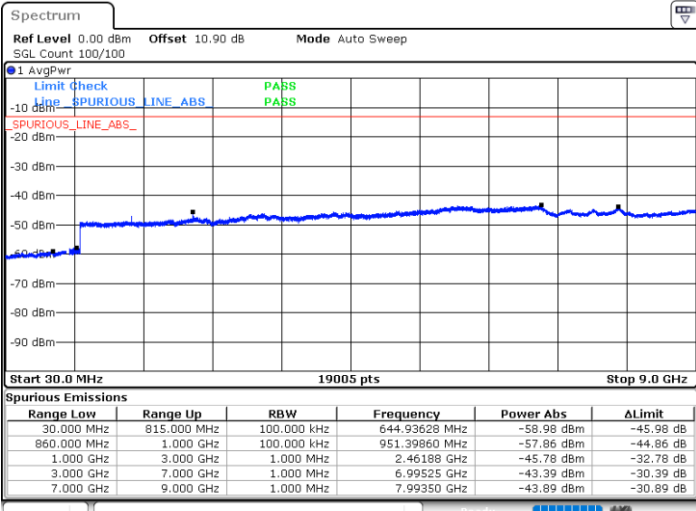




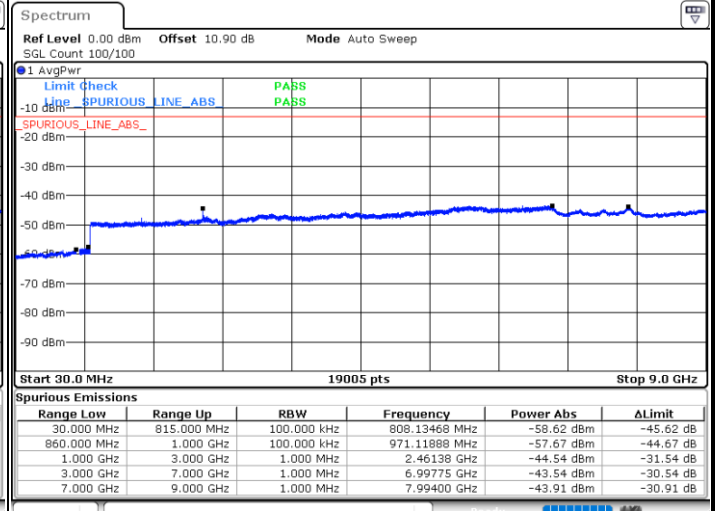
LTE Band 26 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.AUG.2020 21:43:32

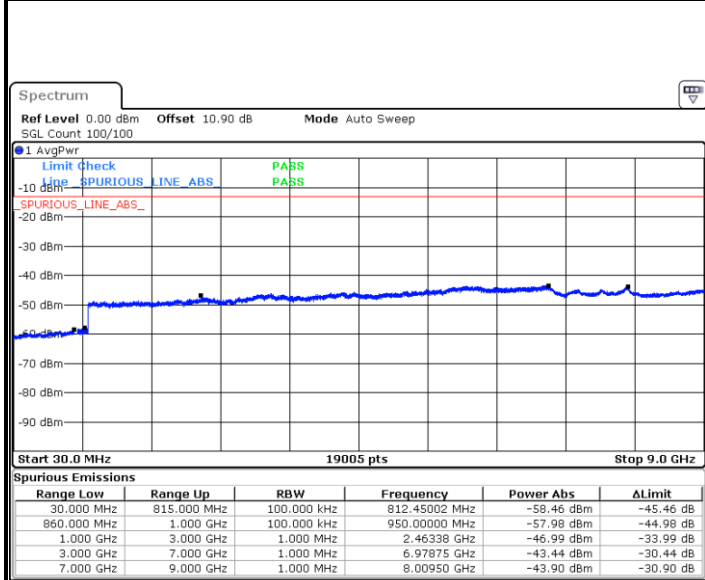


Date: 1.AUG.2020 21:44:17



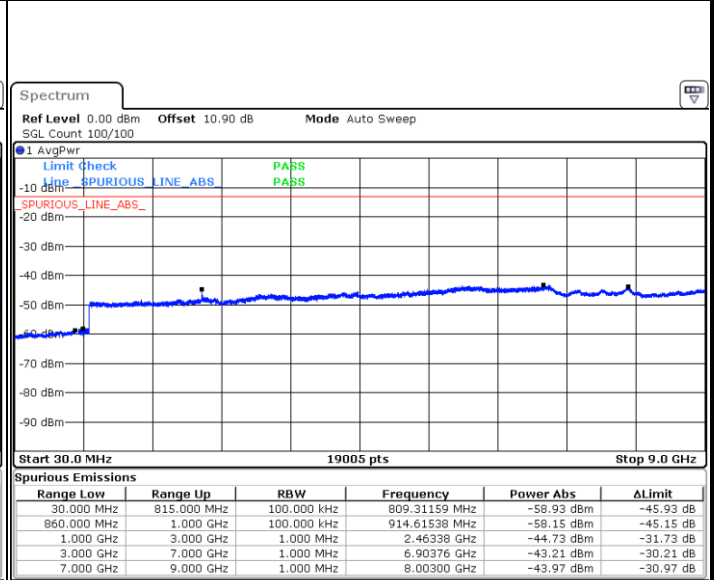
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



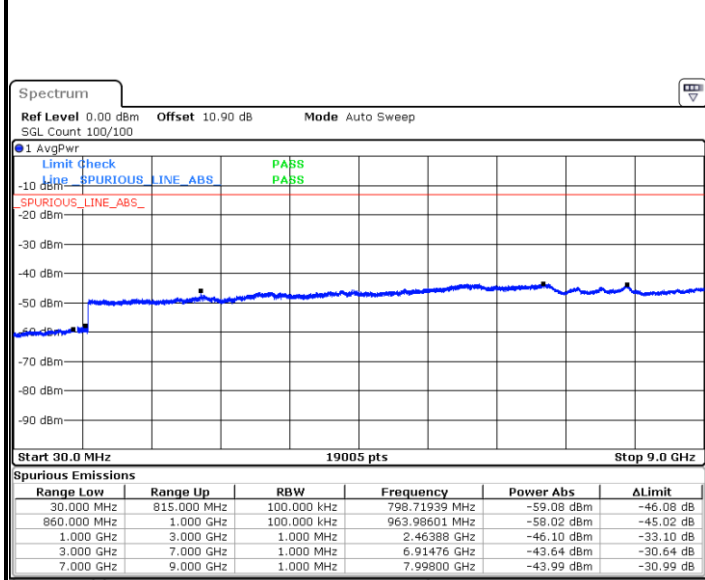
Date: 1.AUG.2020 20:33:53

Middle Channel / 64QAM



Date: 1.AUG.2020 20:35:02

Highest Channel / 64QAM



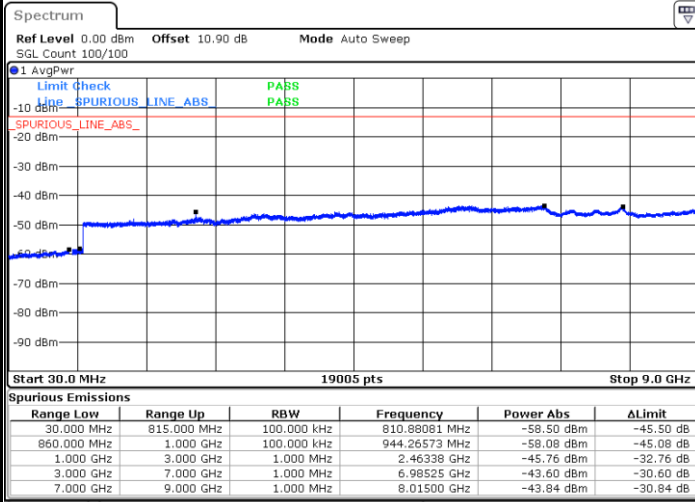
Date: 1.AUG.2020 20:36:11



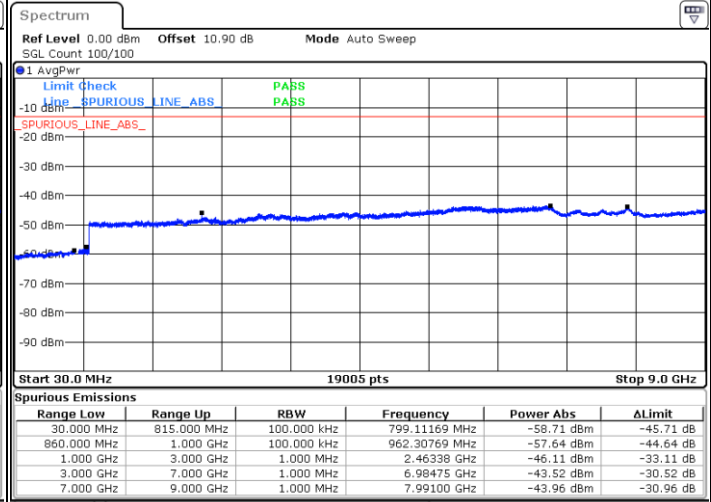
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

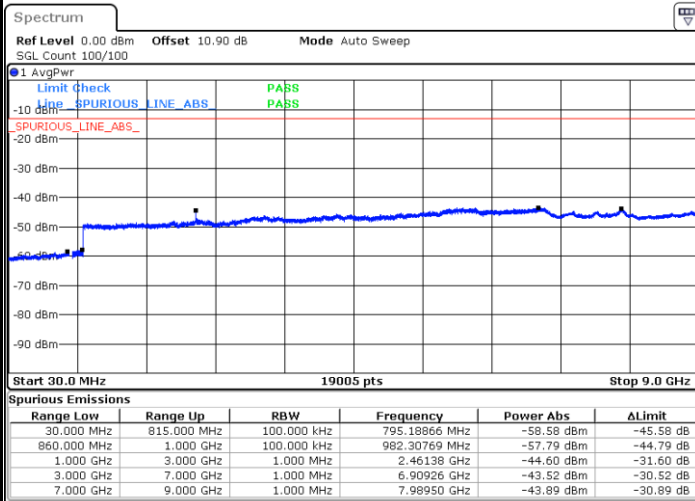


Date: 1.AUG.2020 20:37:20



Date: 1.AUG.2020 20:38:29

Highest Channel / 64QAM



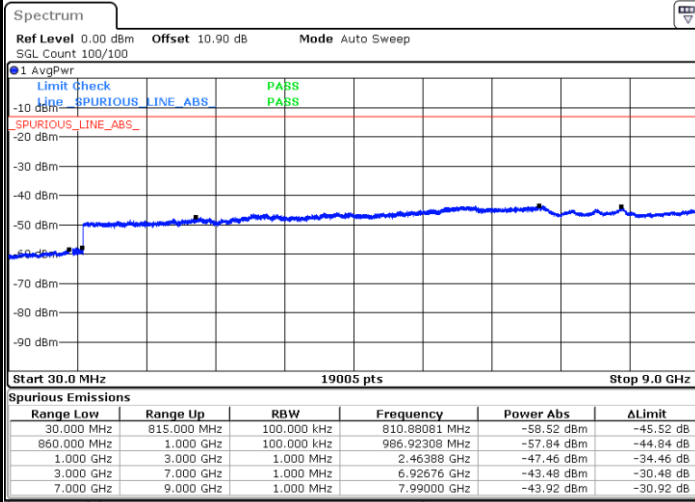
Date: 1.AUG.2020 20:39:37



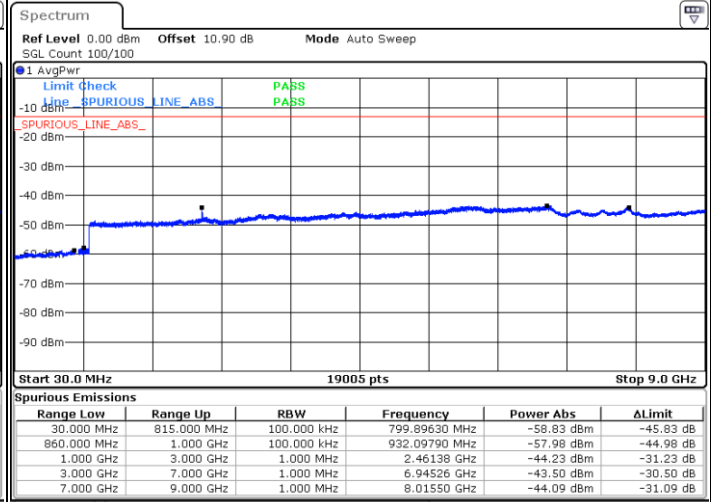
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

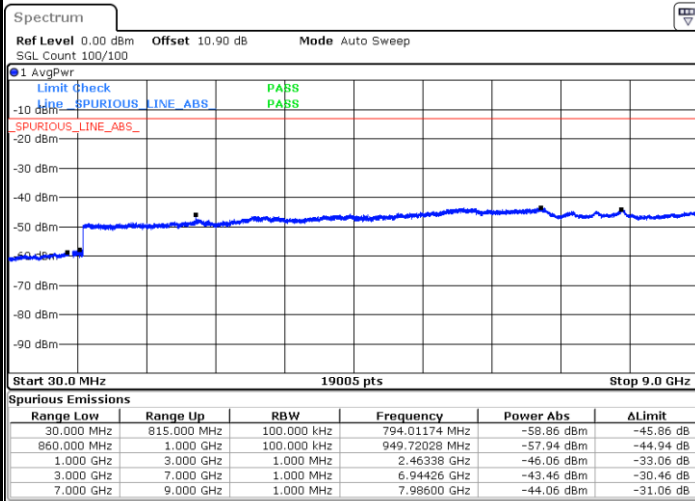


Date: 1.AUG.2020 21:02:01



Date: 1.AUG.2020 21:03:10

Highest Channel / 64QAM

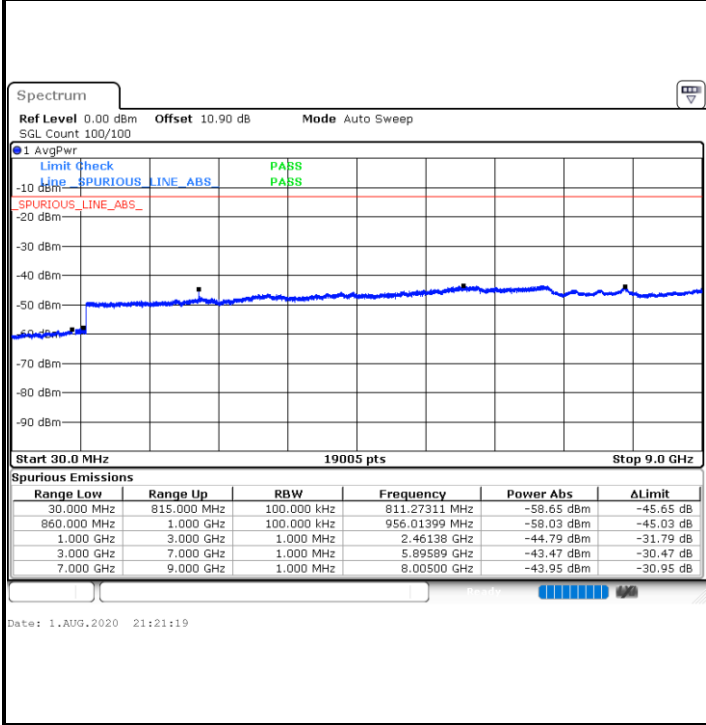


Date: 1.AUG.2020 21:05:48

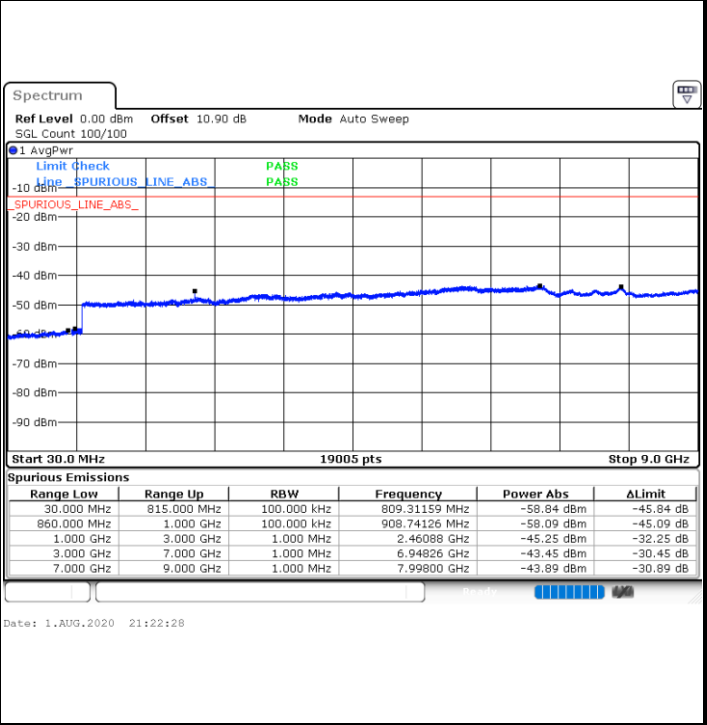


LTE Band 26 / 10MHz

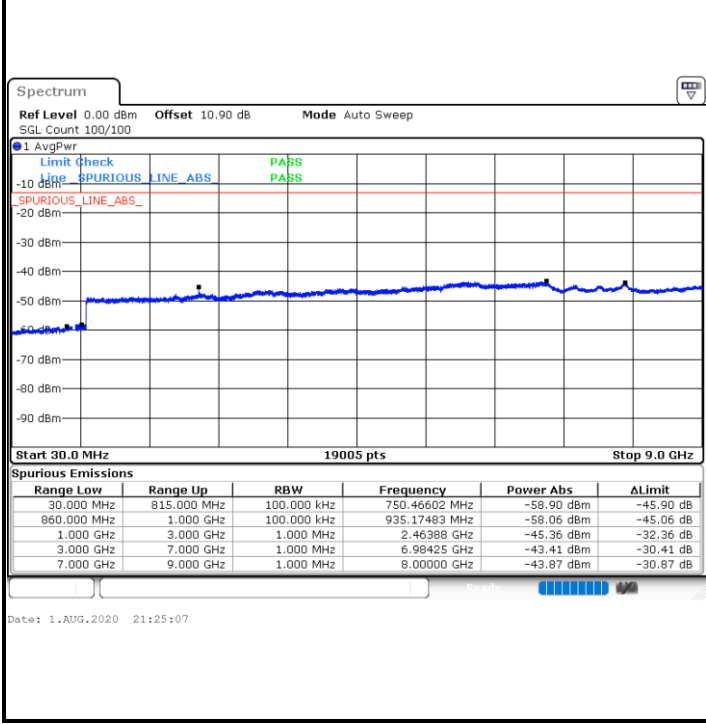
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM

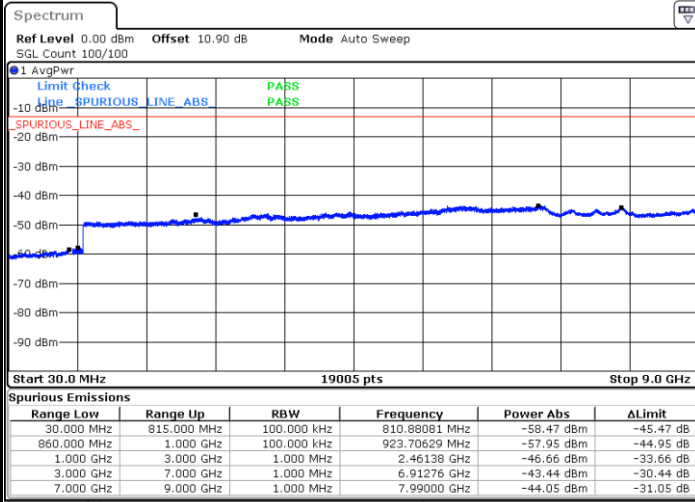




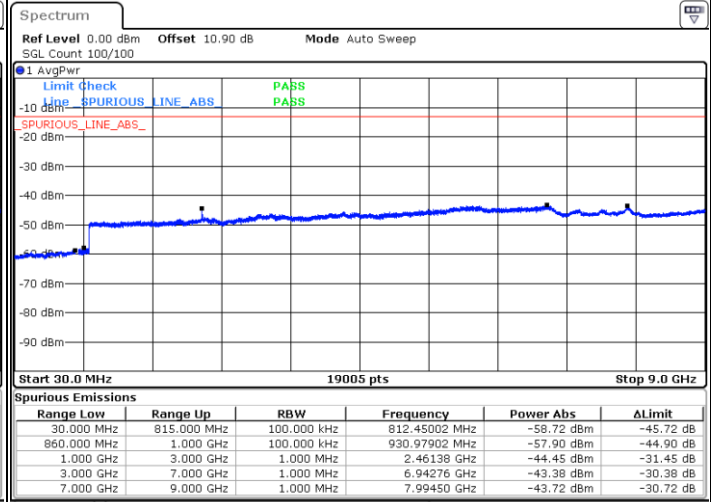
LTE Band 26 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

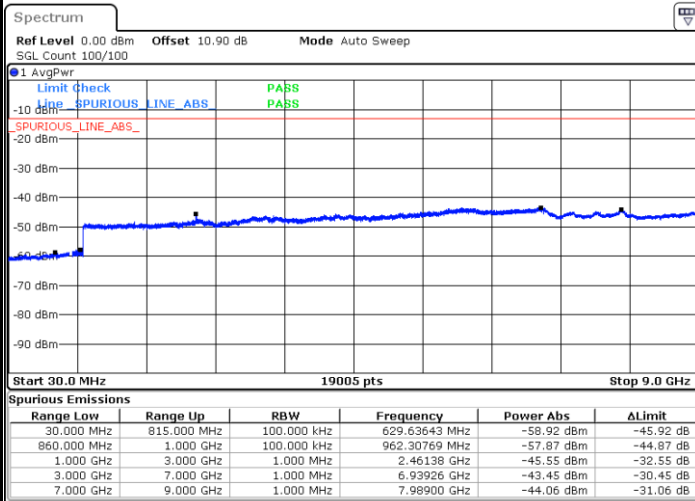


Date: 1.AUG.2020 21:27:43



Date: 1.AUG.2020 21:28:51

Highest Channel / 64QAM



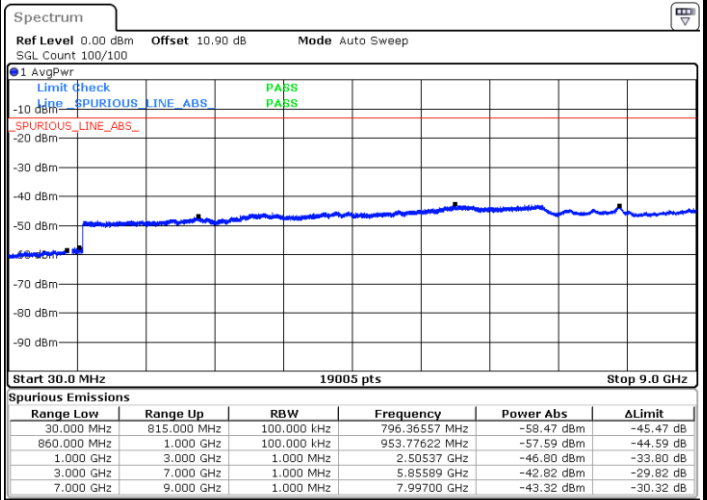
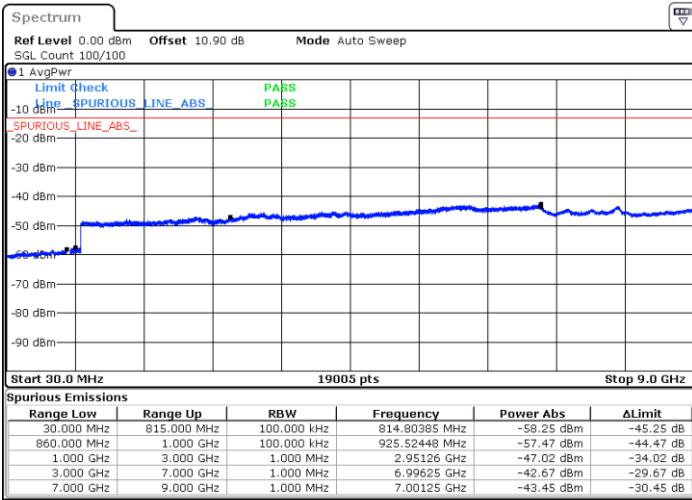
Date: 1.AUG.2020 21:31:30



LTE Band 26 / 1.4MHz

Lowest Channel / 256QAM

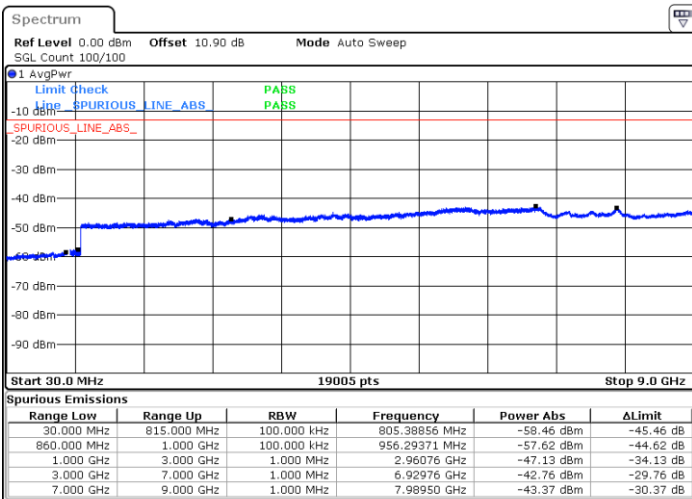
Middle Channel / 256QAM



Date: 9.AUG.2020 15:49:09

Date: 9.AUG.2020 15:46:42

Highest Channel / 256QAM



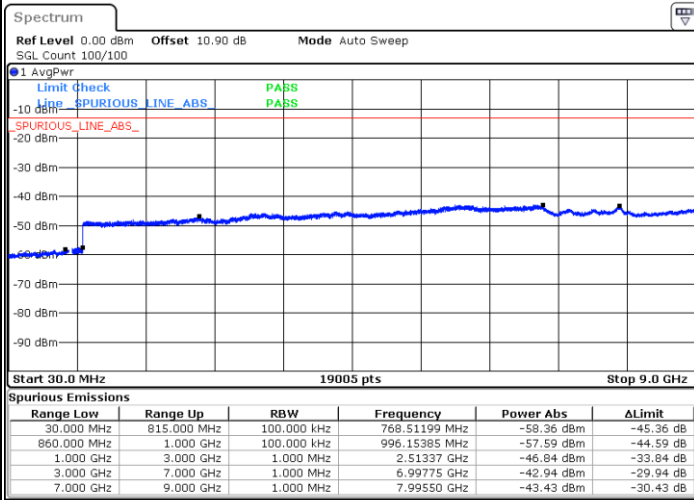
Date: 9.AUG.2020 15:52:58



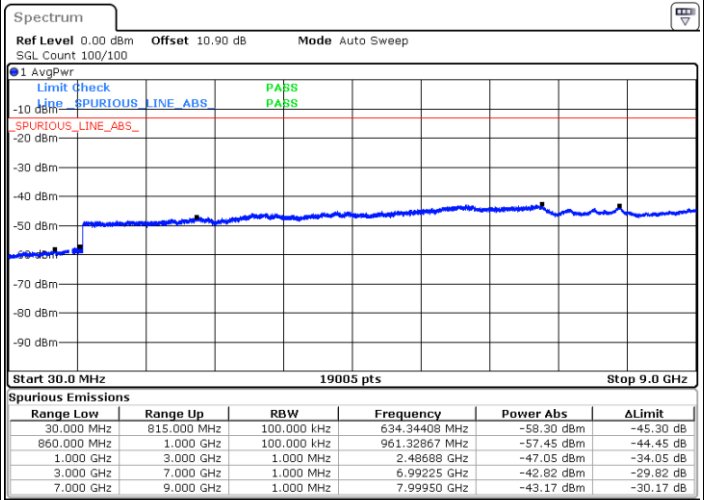
LTE Band 26 / 3MHz

Lowest Channel / 256QAM

Middle Channel / 256QAM

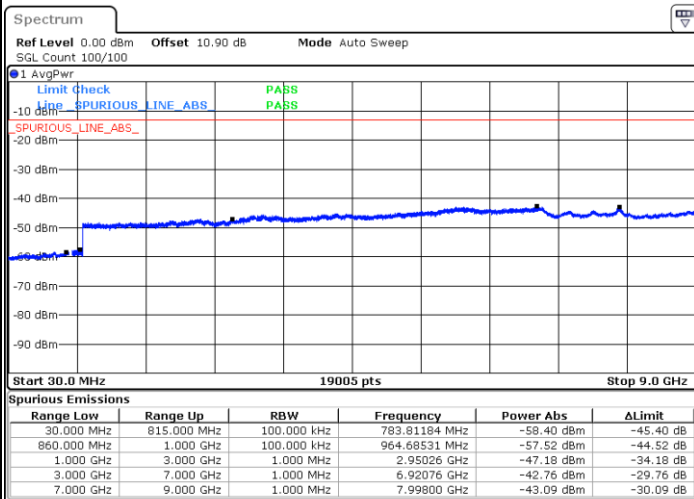


Date: 9.AUG.2020 15:57:47



Date: 9.AUG.2020 15:55:45

Highest Channel / 256QAM



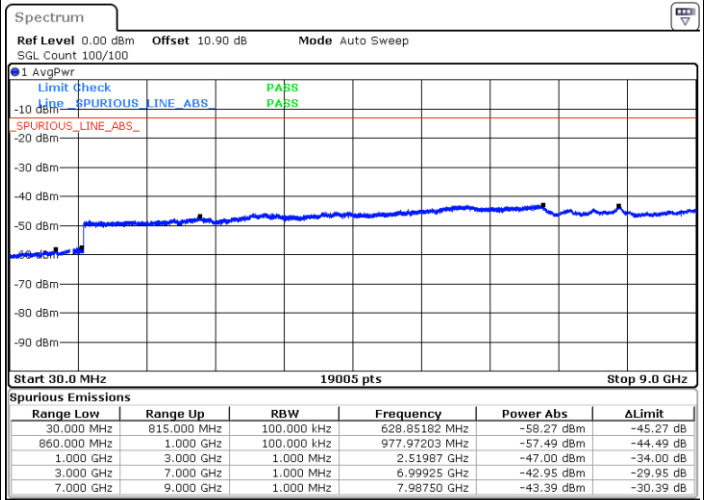
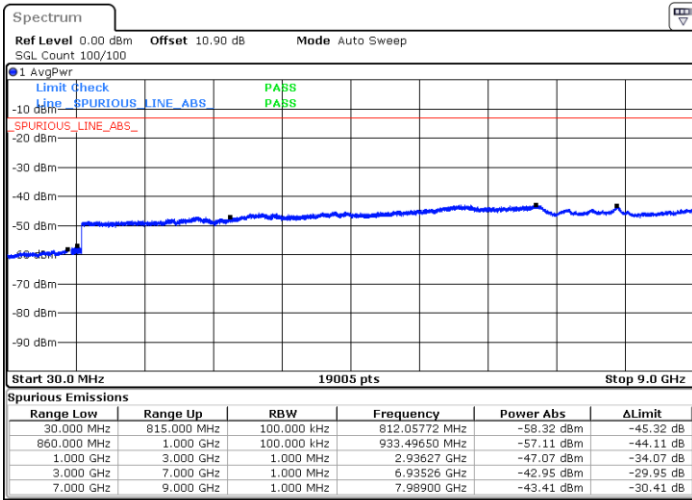
Date: 9.AUG.2020 16:00:46



LTE Band 26 / 5MHz

Lowest Channel / 256QAM

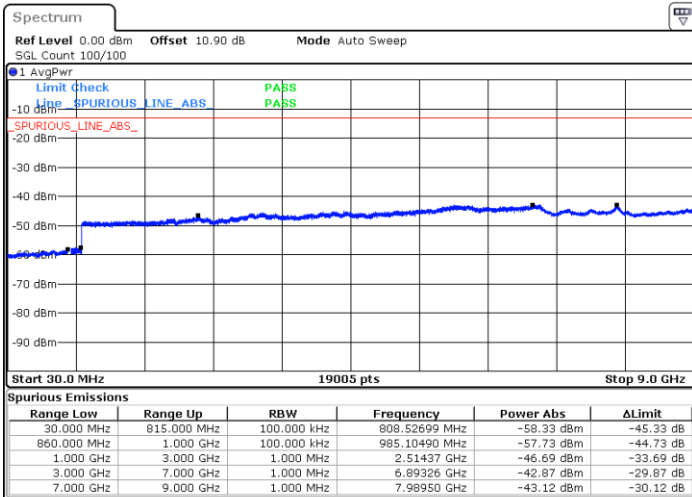
Middle Channel / 256QAM



Date: 9.AUG.2020 16:05:05

Date: 9.AUG.2020 16:03:04

Highest Channel / 256QAM



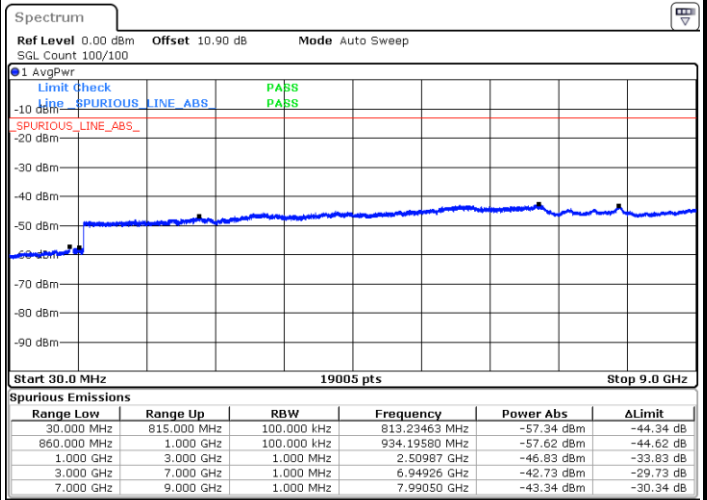
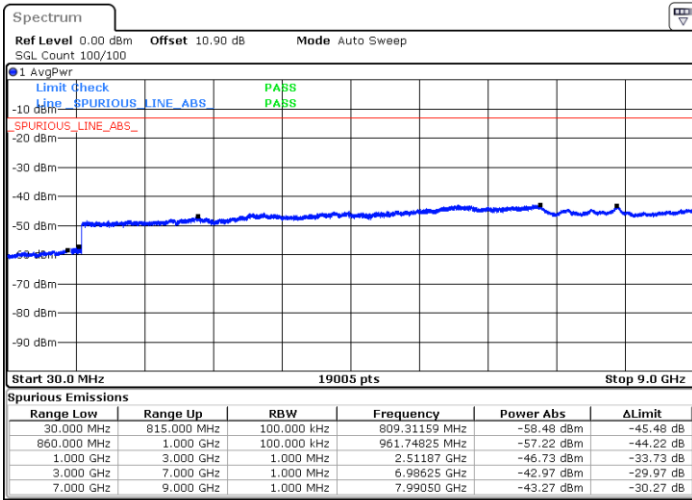
Date: 9.AUG.2020 16:08:29



LTE Band 26 / 10MHz

Lowest Channel / 256QAM

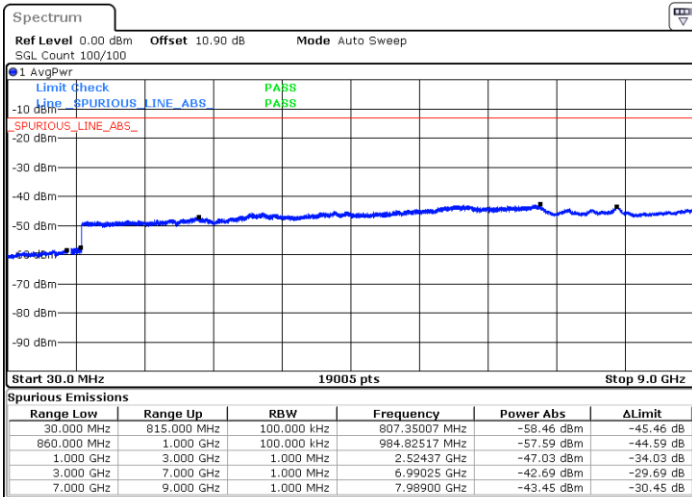
Middle Channel / 256QAM



Date: 9.AUG.2020 16:12:52

Date: 9.AUG.2020 16:10:12

Highest Channel / 256QAM



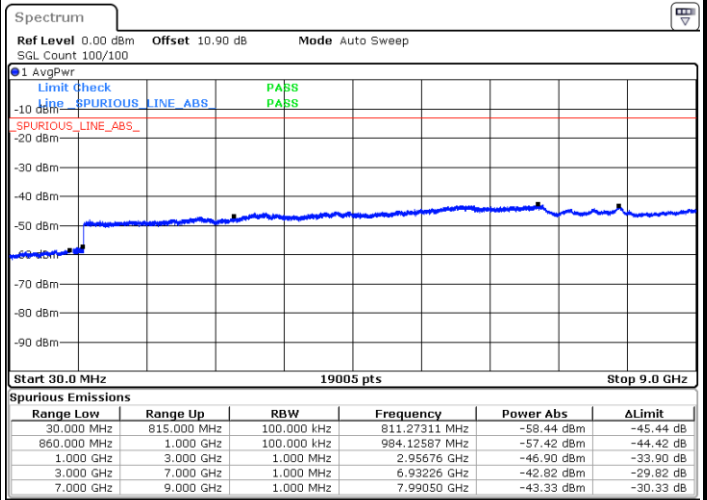
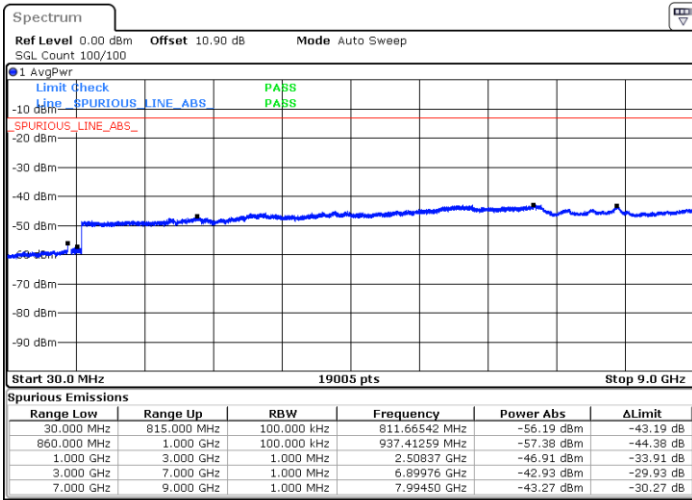
Date: 9.AUG.2020 16:15:19



LTE Band 26 / 15MHz

Lowest Channel / 256QAM

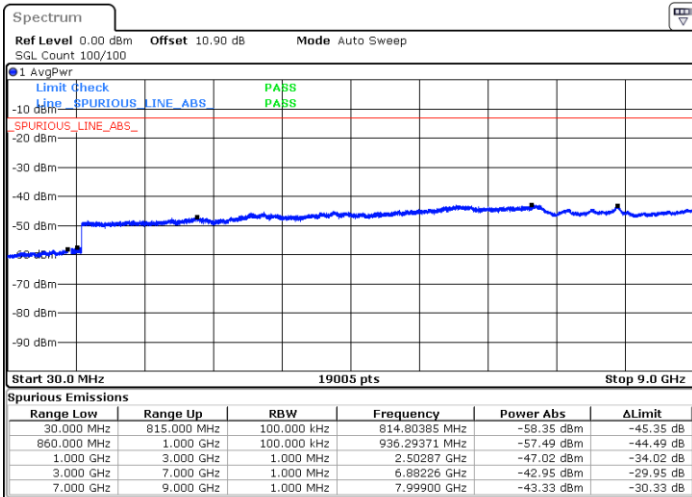
Middle Channel / 256QAM



Date: 9.AUG.2020 16:19:57

Date: 9.AUG.2020 16:17:21

Highest Channel / 256QAM



Date: 9.AUG.2020 16:22:31



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	0.0008	PASS
40	Normal Voltage	0.0170	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0137	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0030	

Note:

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



LTE Band 38

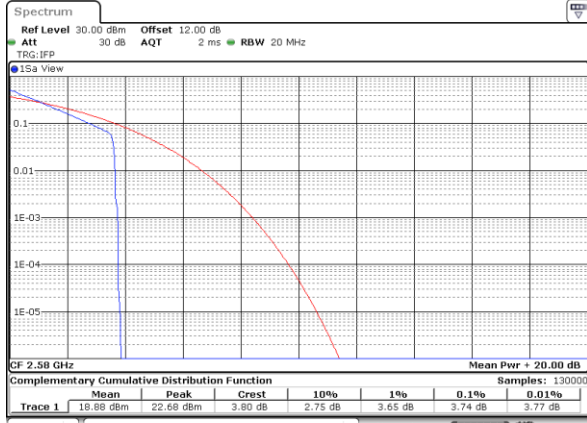
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.74	5.01	5.68	5.94	PASS
Middle CH	3.71	5.01	5.45	5.94	
Highest CH	3.74	5.01	5.65	5.94	
Mode	LTE Band 38 / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.64	6.49	7.62	6.78	PASS
Middle CH	6.67	6.46	7.22	6.70	
Highest CH	6.67	6.46	7.04	6.67	



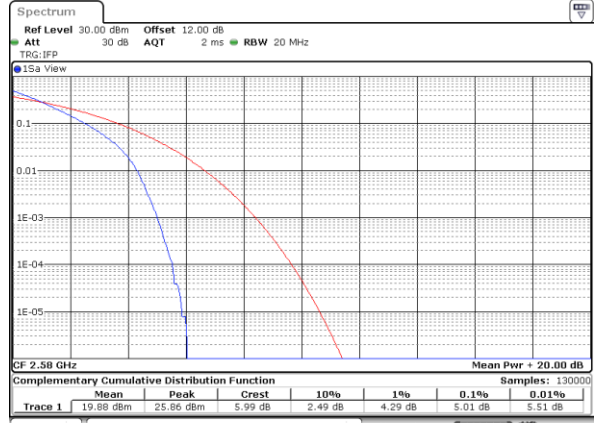
LTE Band 38 / 20MHz / QPSK

Lowest Channel / 1RB



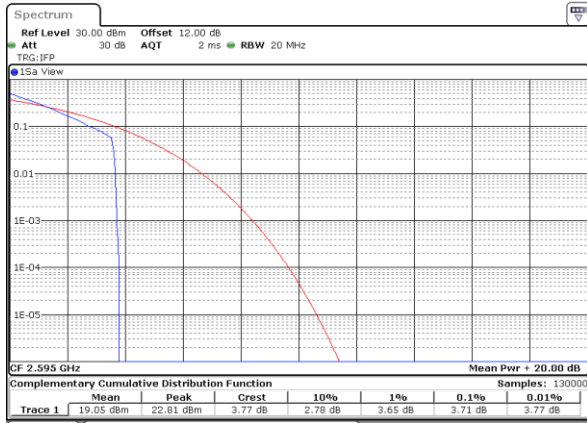
Date: 1.AUG.2020 15:18:54

Lowest Channel / Full RB



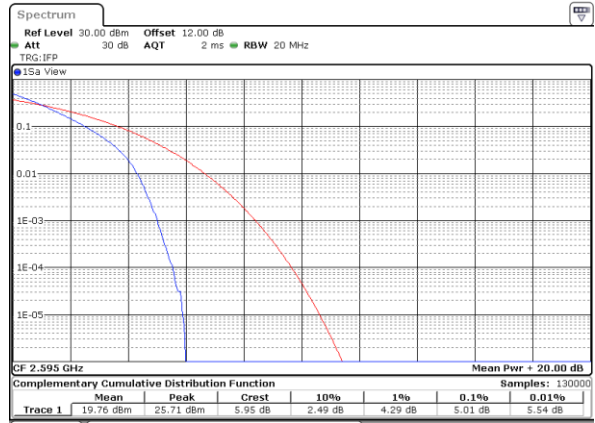
Date: 1.AUG.2020 15:19:09

Middle Channel / 1RB



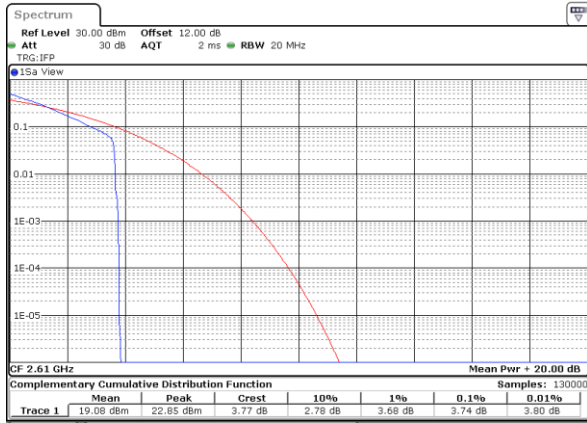
Date: 1.AUG.2020 15:19:25

Middle Channel / Full RB



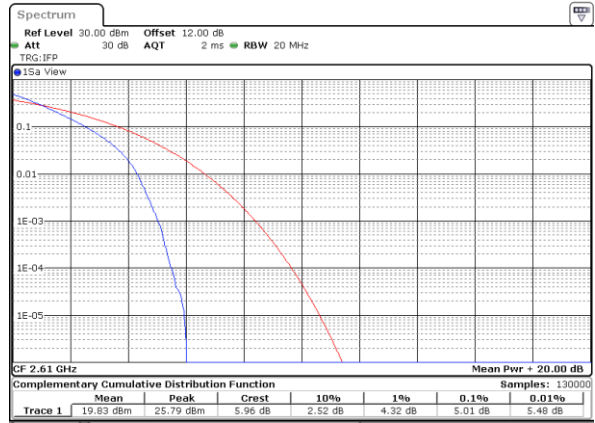
Date: 1.AUG.2020 15:19:40

Highest Channel / 1RB



Date: 1.AUG.2020 15:19:55

Highest Channel / Full RB

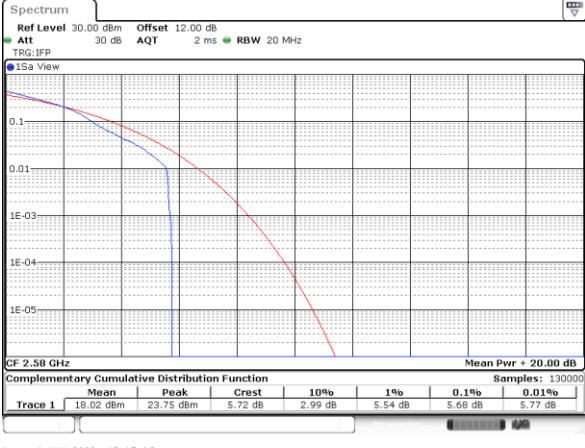


Date: 1.AUG.2020 15:20:11



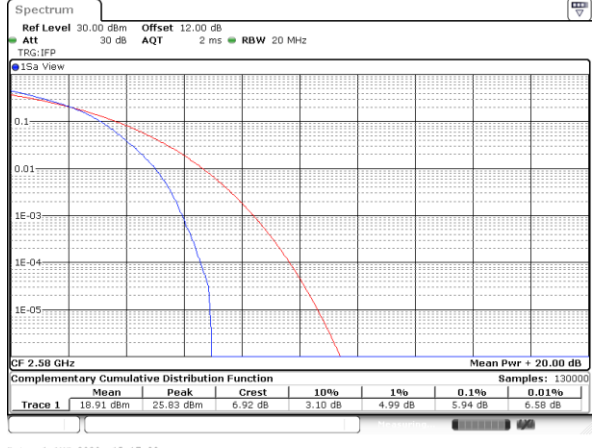
LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



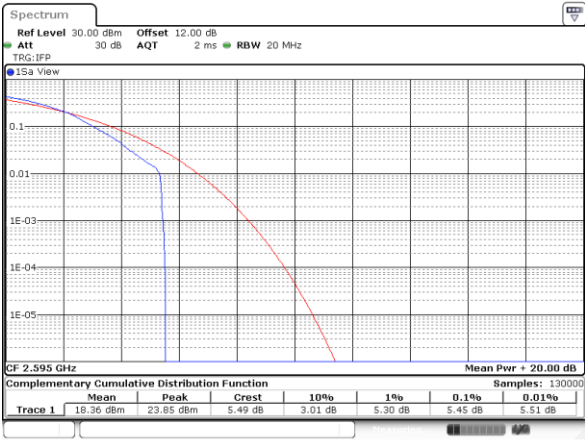
Date: 1.AUG.2020 15:17:16

Lowest Channel / Full RB



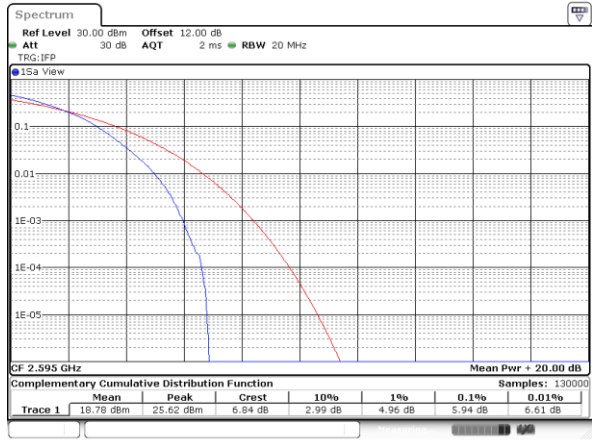
Date: 1.AUG.2020 15:17:33

Middle Channel / 1RB



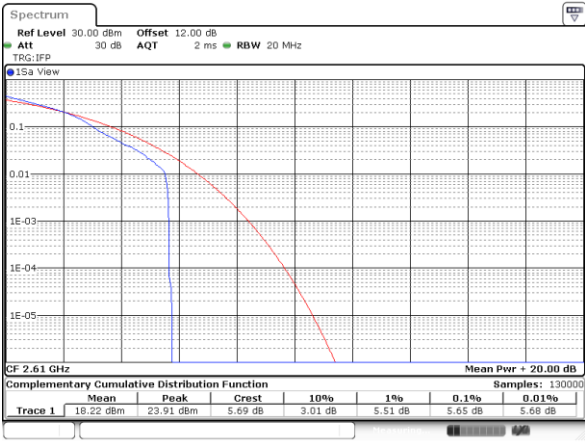
Date: 1.AUG.2020 15:17:50

Middle Channel / Full RB



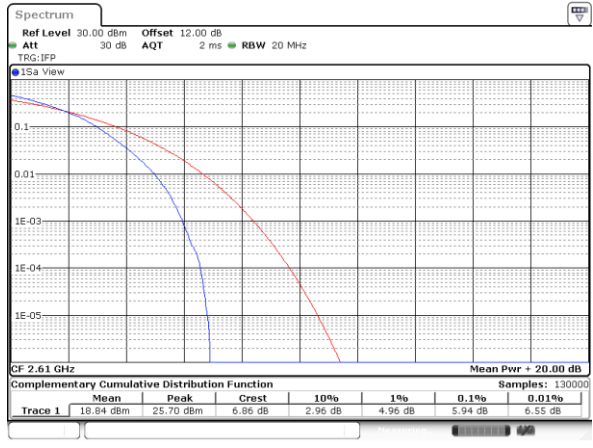
Date: 1.AUG.2020 15:18:05

Highest Channel / 1RB



Date: 1.AUG.2020 15:18:21

Highest Channel / Full RB

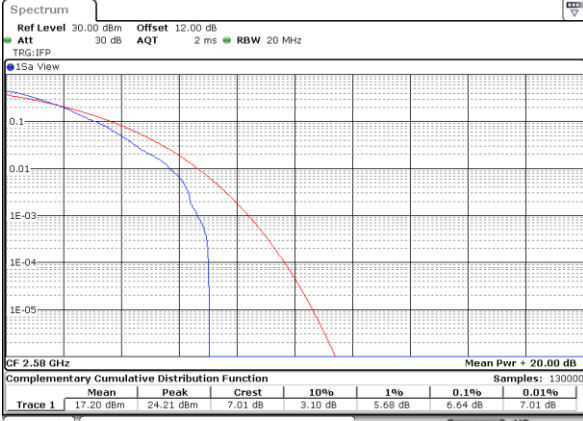


Date: 1.AUG.2020 15:18:38



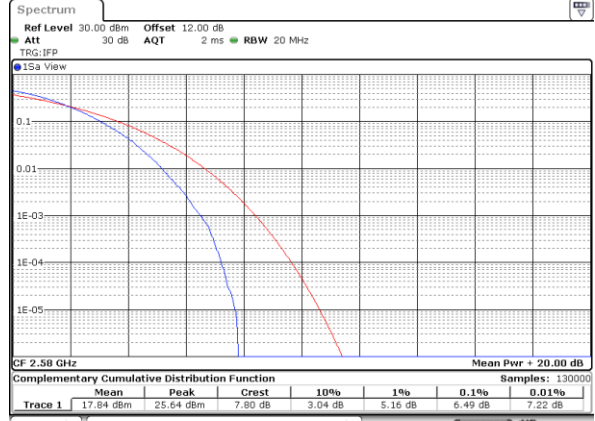
LTE Band 38 / 20MHz / 64QAM

Lowest Channel / 1RB



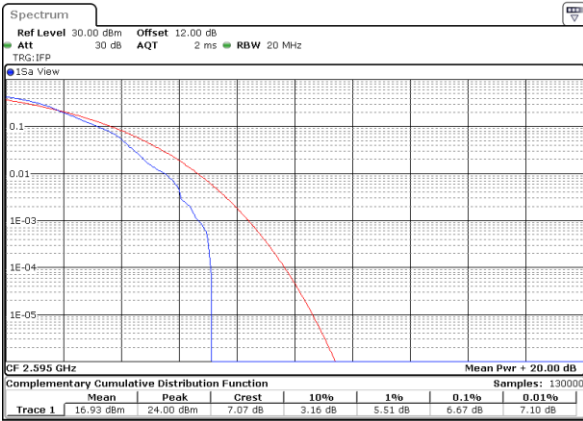
Date: 1.AUG.2020 15:11:13

Lowest Channel / Full RB



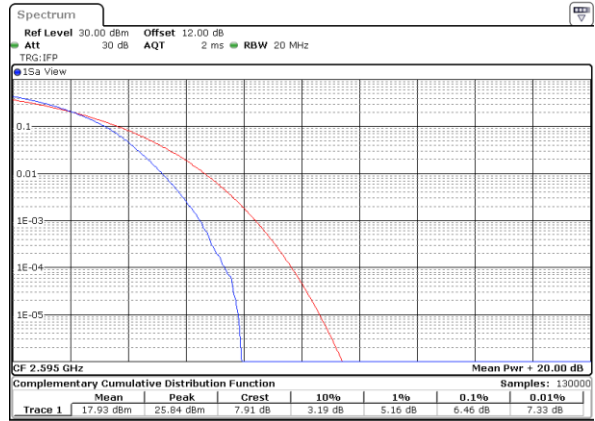
Date: 1.AUG.2020 15:11:33

Middle Channel / 1RB



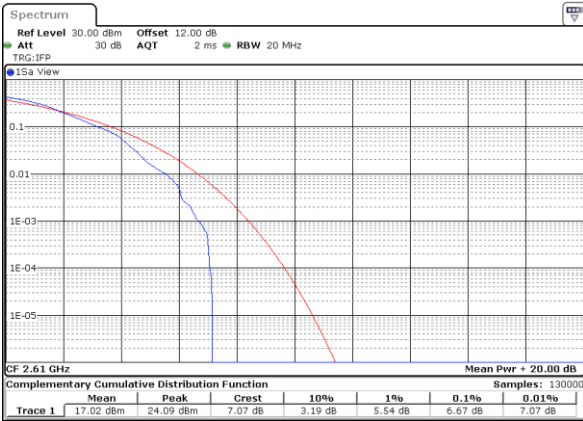
Date: 1.AUG.2020 15:15:59

Middle Channel / Full RB



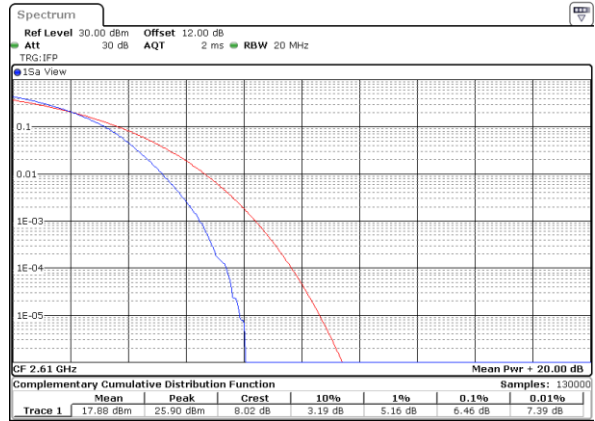
Date: 1.AUG.2020 15:16:15

Highest Channel / 1RB



Date: 1.AUG.2020 15:16:31

Highest Channel / Full RB

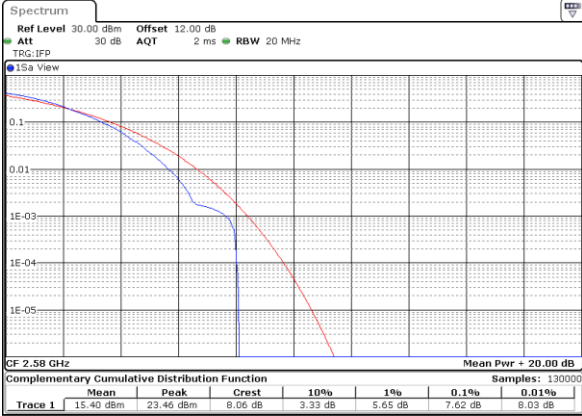


Date: 1.AUG.2020 15:16:47



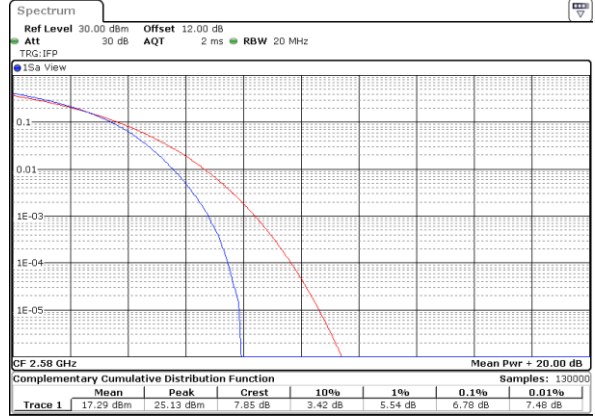
LTE Band 38 / 20MHz / 256QAM

Lowest Channel / 1RB



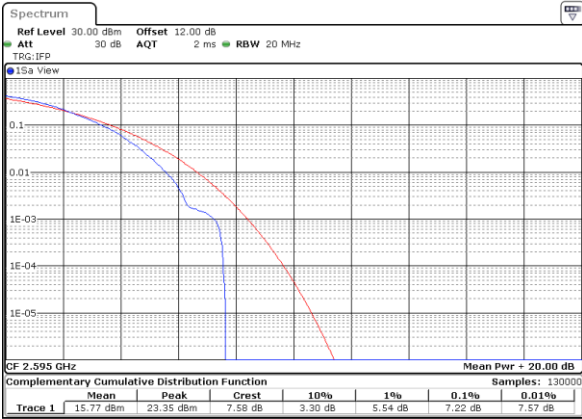
Date: 9.AUG.2020 13:19:33

Lowest Channel / Full RB



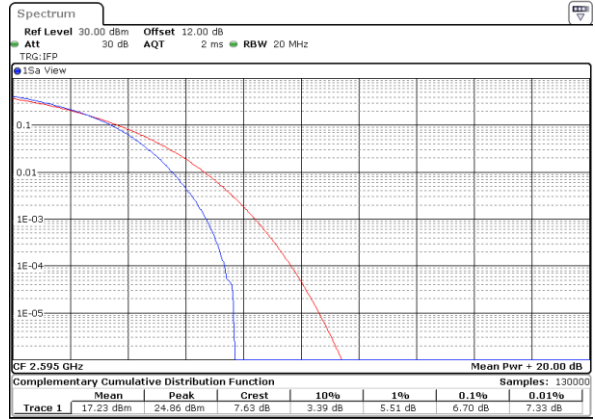
Date: 9.AUG.2020 13:18:31

Middle Channel / 1RB



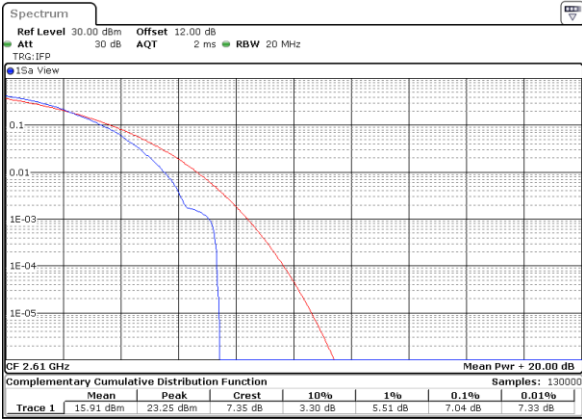
Date: 9.AUG.2020 13:16:38

Middle Channel / Full RB



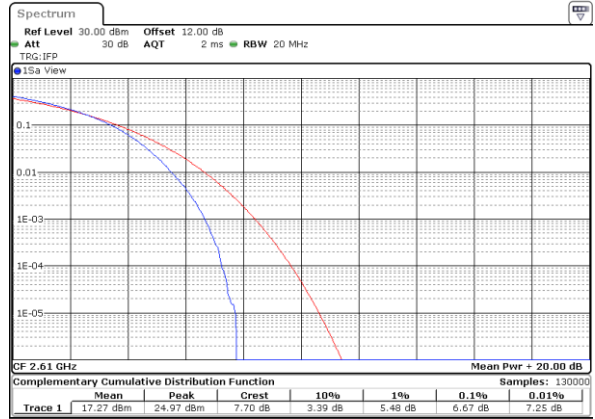
Date: 9.AUG.2020 13:16:38

Highest Channel / 1RB



Date: 9.AUG.2020 13:23:09

Highest Channel / Full RB



Date: 9.AUG.2020 13:22:50



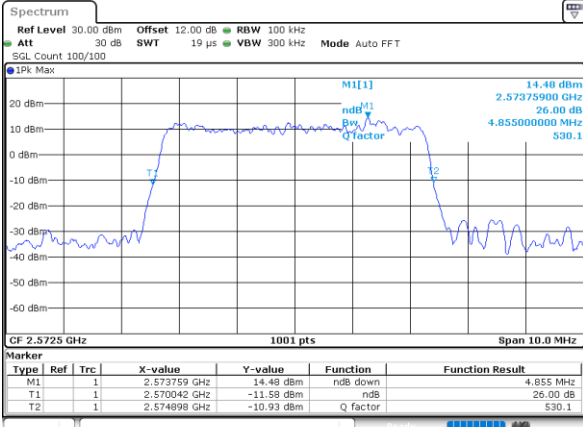
26dB Bandwidth

Mode	LTE Band 38 : 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	-	-	-	-	4.86	4.86	9.61	9.73	14.27	14.33	18.90	18.66
Middle CH	-	-	-	-	4.80	4.79	9.65	9.89	14.21	14.42	19.06	18.78
Highest CH	-	-	-	-	4.89	4.93	9.63	9.63	14.24	14.21	18.66	18.98
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	4.70	4.86	9.89	9.59	14.39	14.21	18.62	18.70
Middle CH	-	-	-	-	4.81	4.78	9.63	9.81	14.27	14.21	18.74	18.98
Highest CH	-	-	-	-	4.75	4.88	9.89	9.65	14.33	14.15	18.82	18.70



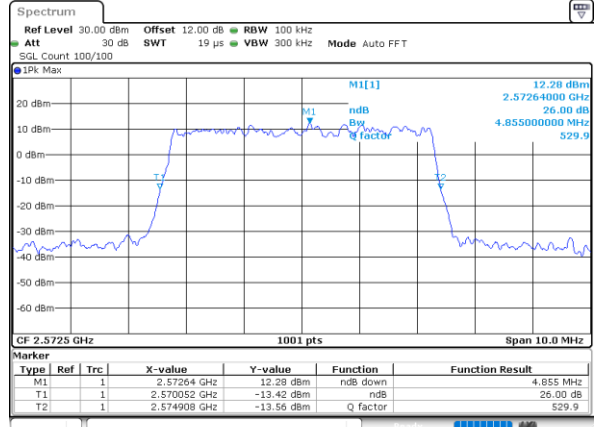
LTE Band 38

Lowest Channel / 5MHz / QPSK



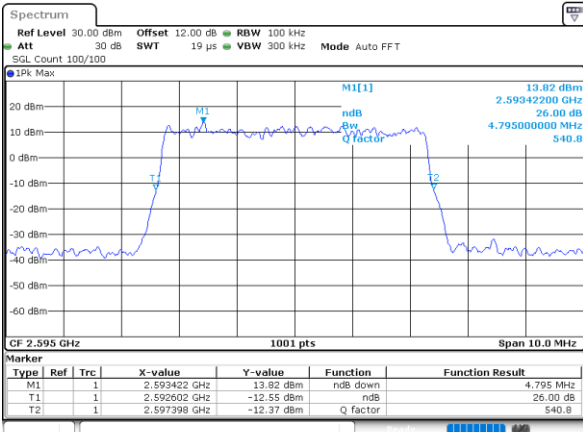
Date: 1.AUG.2020 14:25:19

Lowest Channel / 5MHz / 16QAM



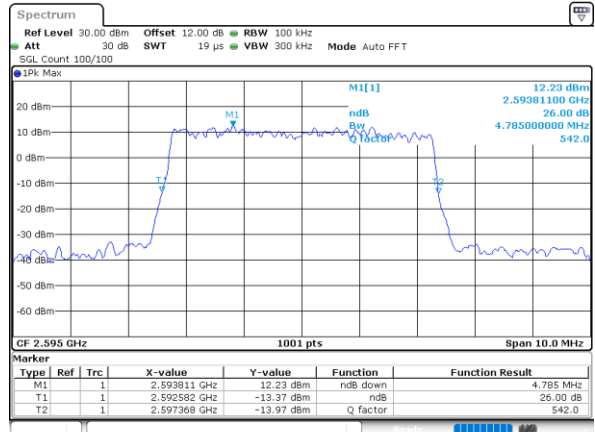
Date: 1.AUG.2020 14:25:51

Middle Channel / 5MHz / QPSK



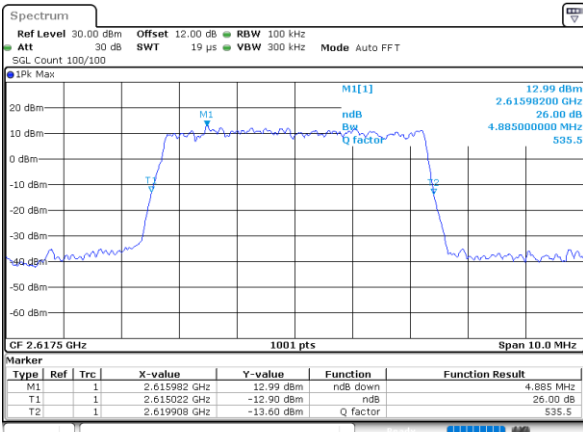
Date: 1.AUG.2020 14:26:25

Middle Channel / 5MHz / 16QAM



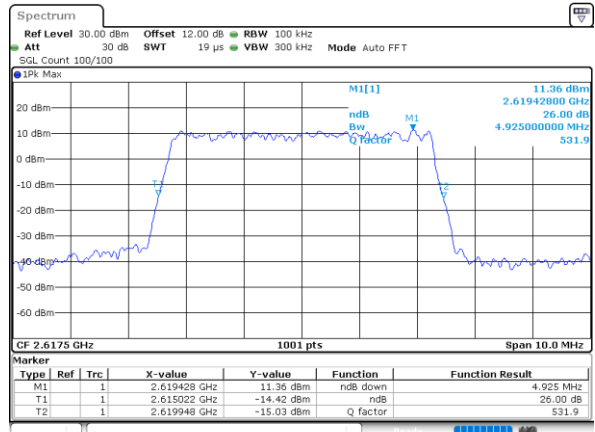
Date: 1.AUG.2020 14:26:36

Highest Channel / 5MHz / QPSK



Date: 1.AUG.2020 14:27:11

Highest Channel / 5MHz / 16QAM

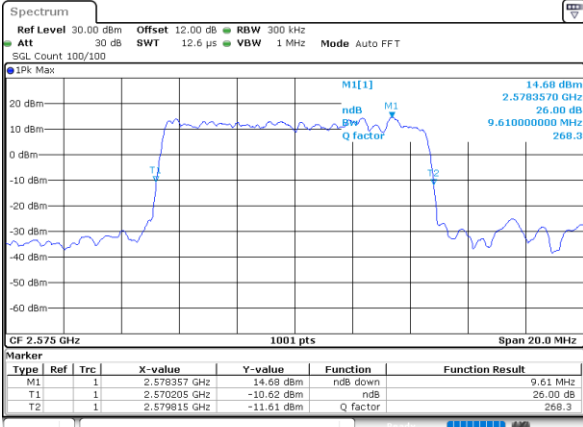


Date: 1.AUG.2020 14:27:23



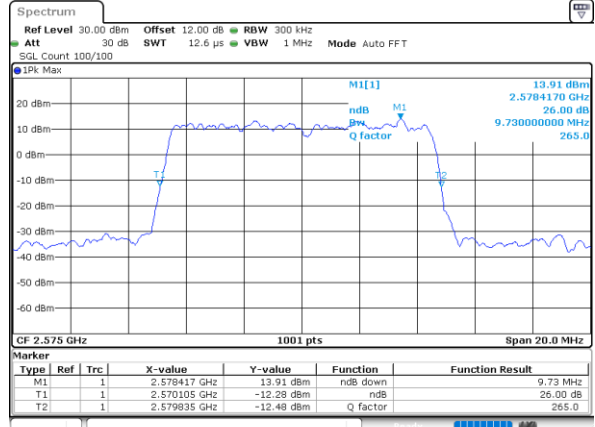
LTE Band 38

Lowest Channel / 10MHz / QPSK



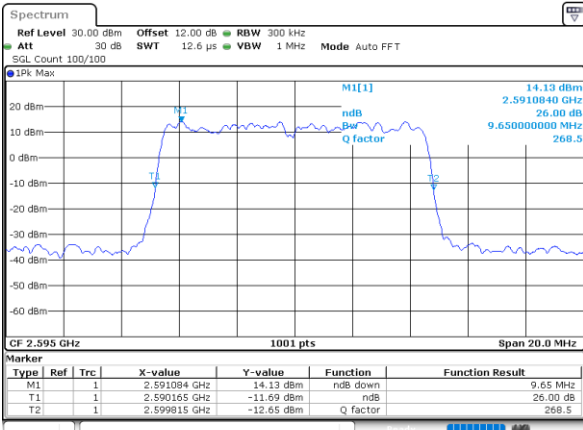
Date: 1.AUG.2020 14:27:59

Lowest Channel / 10MHz / 16QAM



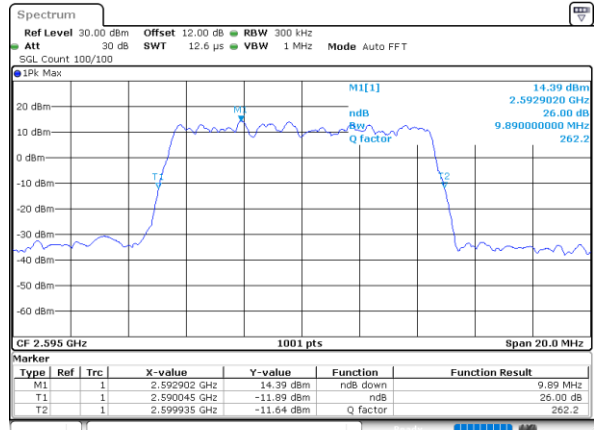
Date: 1.AUG.2020 14:28:10

Middle Channel / 10MHz / QPSK



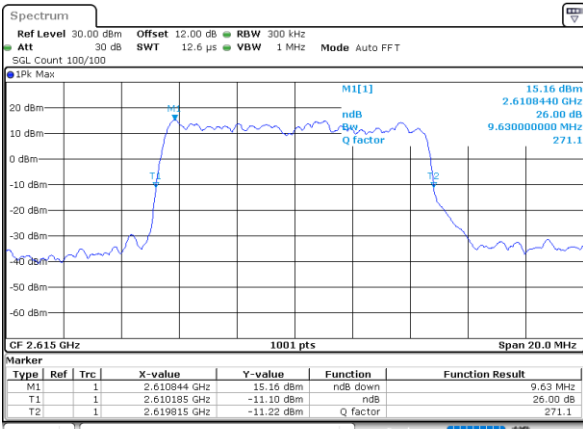
Date: 1.AUG.2020 14:28:44

Middle Channel / 10MHz / 16QAM



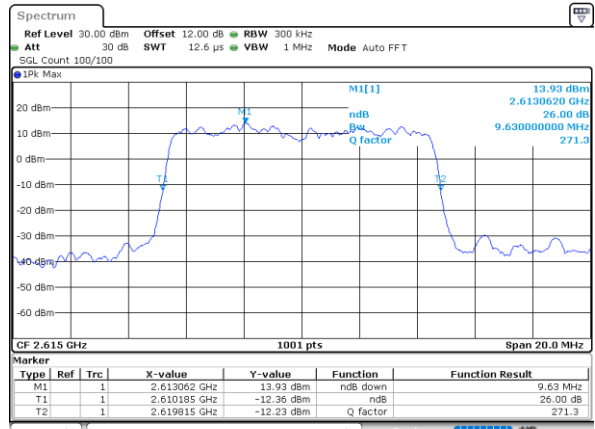
Date: 1.AUG.2020 14:28:56

Highest Channel / 10MHz / QPSK



Date: 1.AUG.2020 14:29:31

Highest Channel / 10MHz / 16QAM

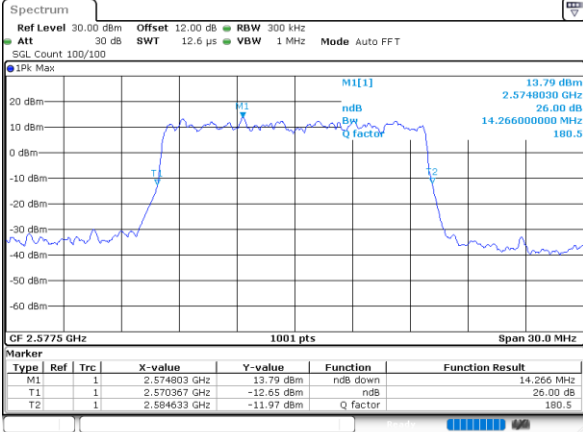


Date: 1.AUG.2020 14:29:43



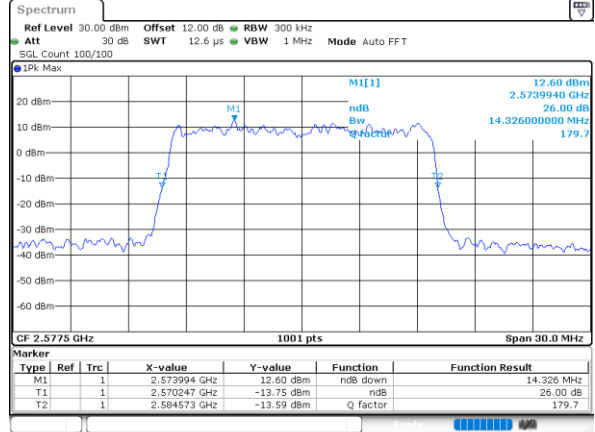
LTE Band 38

Lowest Channel / 15MHz / QPSK



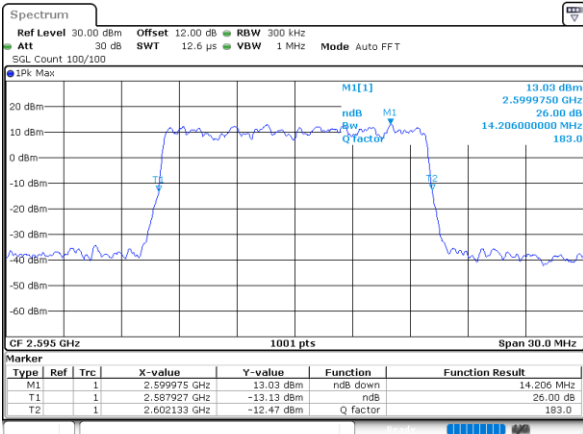
Date: 1.AUG.2020 14:30:19

Lowest Channel / 15MHz / 16QAM



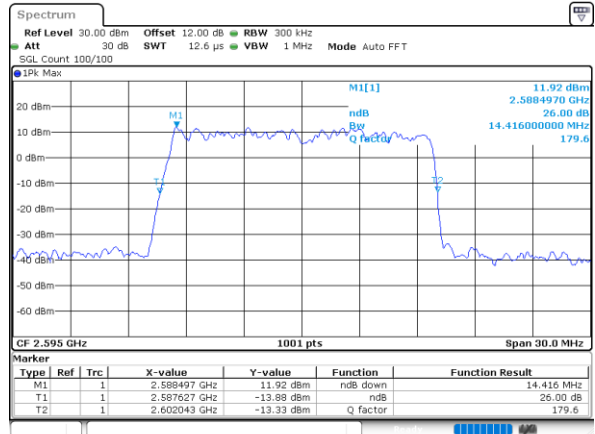
Date: 1.AUG.2020 14:30:30

Middle Channel / 15MHz / QPSK



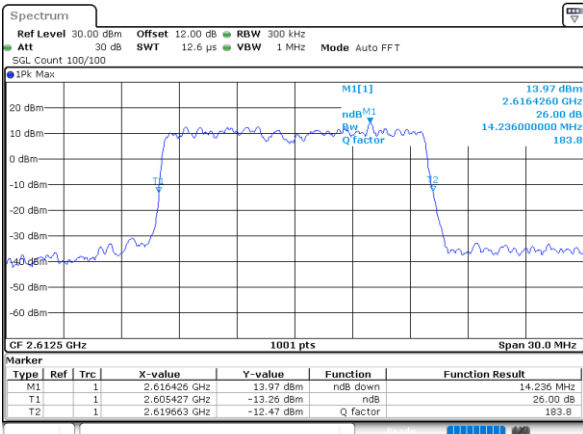
Date: 1.AUG.2020 14:31:05

Middle Channel / 15MHz / 16QAM



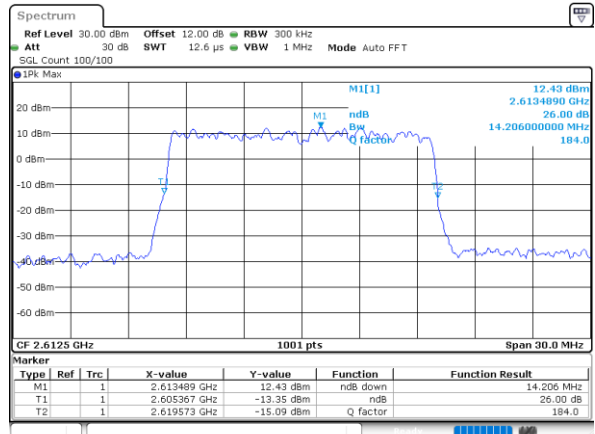
Date: 1.AUG.2020 14:31:16

Highest Channel / 15MHz / QPSK



Date: 1.AUG.2020 14:31:51

Highest Channel / 15MHz / 16QAM

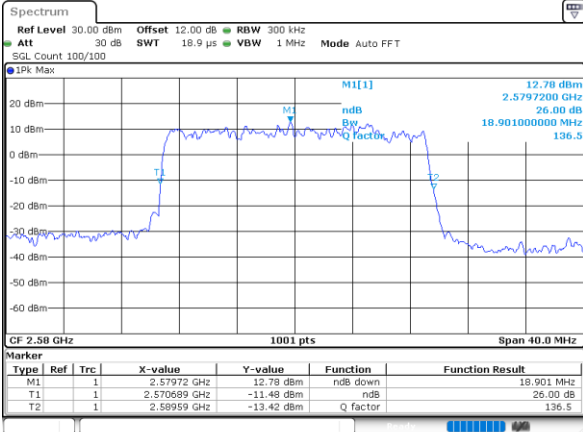


Date: 1.AUG.2020 14:32:03



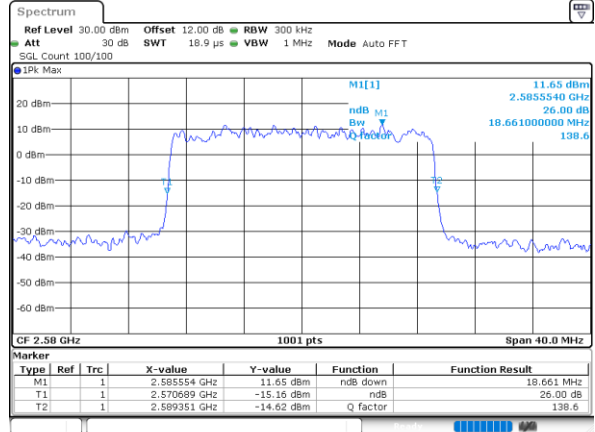
LTE Band 38

Lowest Channel / 20MHz / QPSK



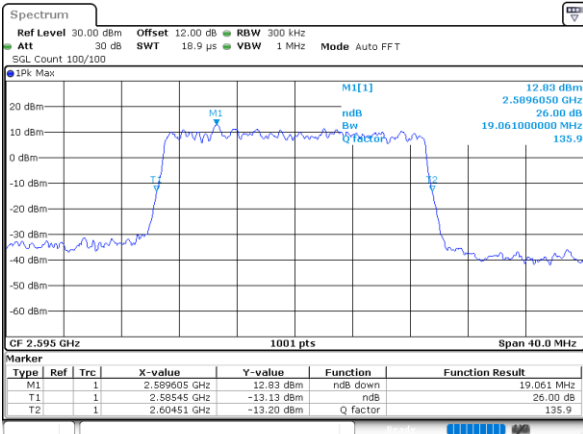
Date: 1.AUG.2020 14:32:19

Lowest Channel / 20MHz / 16QAM



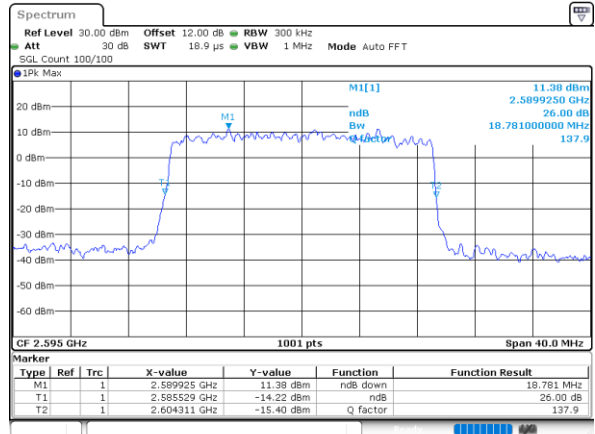
Date: 1.AUG.2020 14:32:51

Middle Channel / 20MHz / QPSK



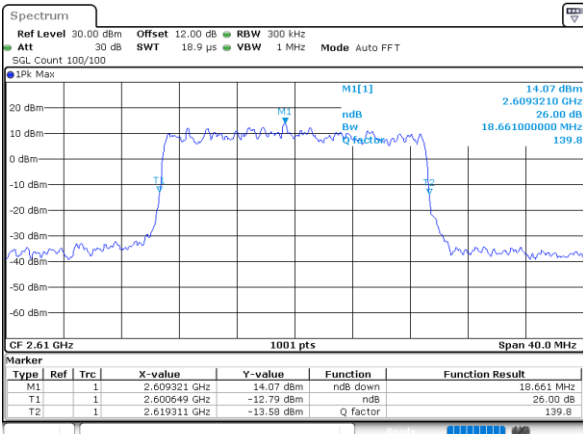
Date: 1.AUG.2020 14:33:25

Middle Channel / 20MHz / 16QAM



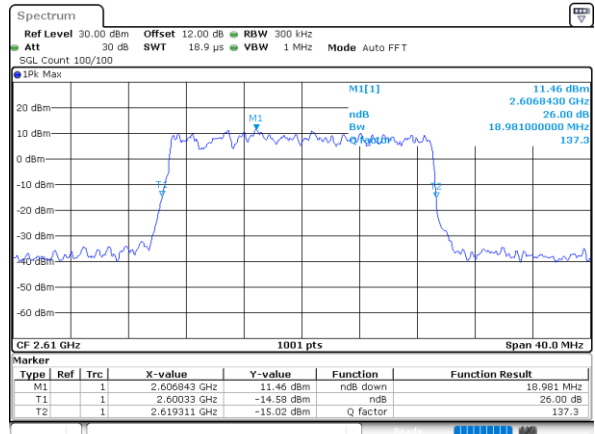
Date: 1.AUG.2020 14:33:36

Highest Channel / 20MHz / QPSK



Date: 1.AUG.2020 14:34:11

Highest Channel / 20MHz / 16QAM

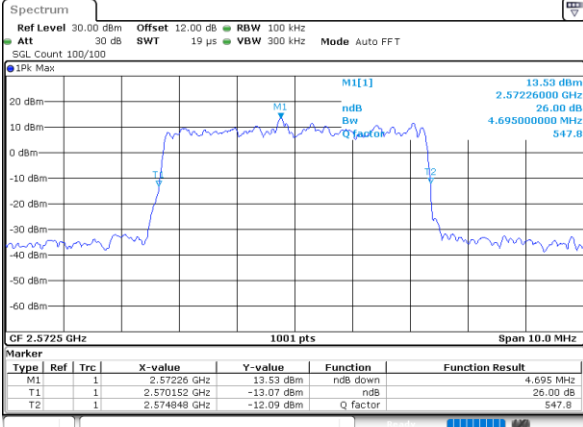


Date: 1.AUG.2020 14:34:23



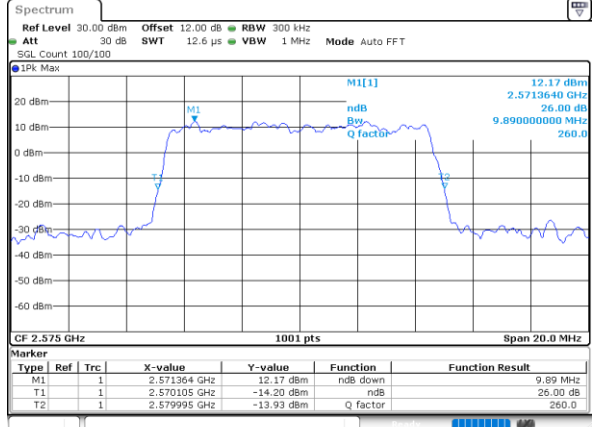
LTE Band 38

Lowest Channel / 5MHz / 64QAM



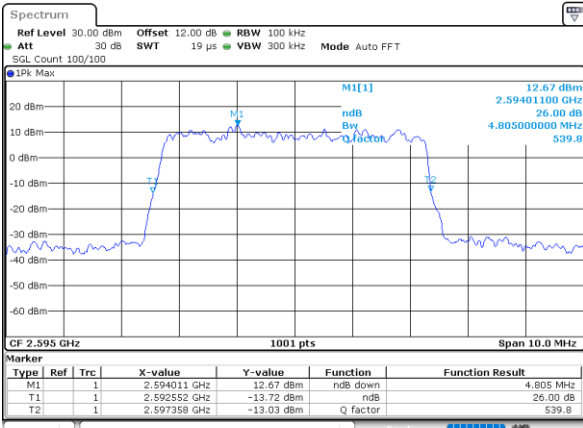
Date: 1.AUG.2020 14:33:47

Lowest Channel / 10MHz / 64QAM



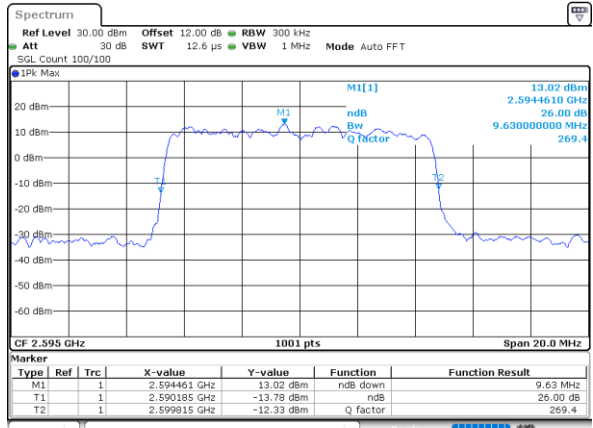
Date: 1.AUG.2020 14:35:57

Middle Channel / 5MHz / 64QAM



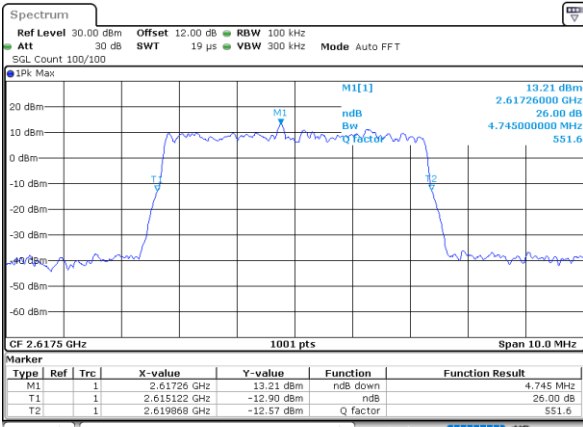
Date: 1.AUG.2020 14:35:09

Middle Channel / 10MHz / 64QAM



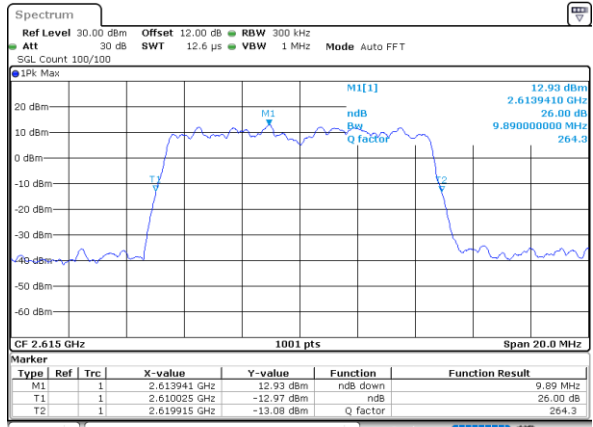
Date: 1.AUG.2020 14:36:19

Highest Channel / 5MHz / 64QAM



Date: 1.AUG.2020 14:35:33

Highest Channel / 10MHz / 64QAM

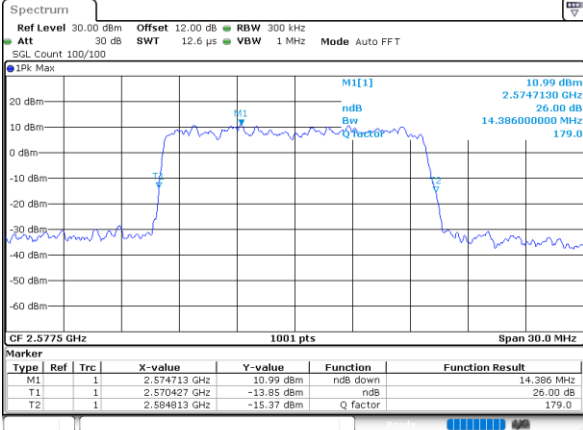


Date: 1.AUG.2020 14:36:42



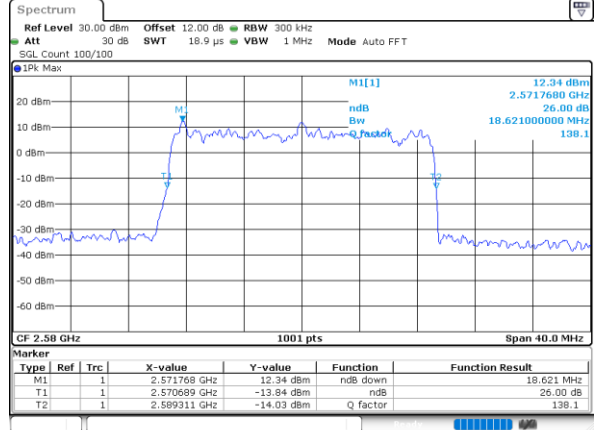
LTE Band 38

Lowest Channel / 15MHz / 64QAM



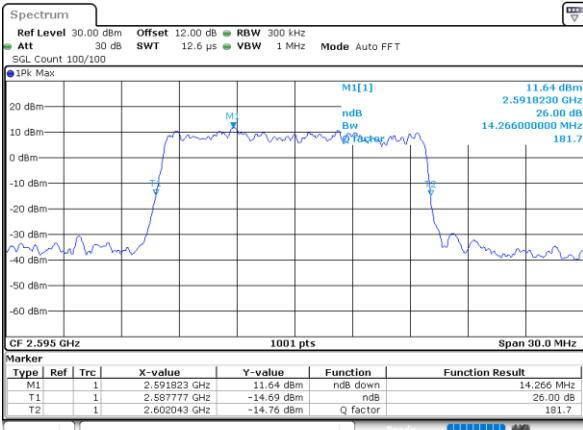
Date: 1.AUG.2020 14:37:06

Lowest Channel / 20MHz / 64QAM



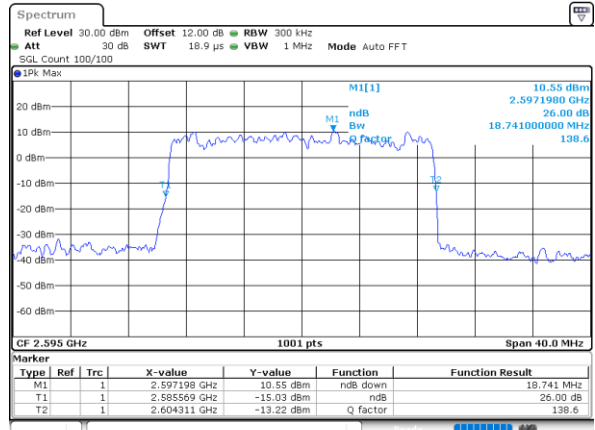
Date: 1.AUG.2020 14:38:16

Middle Channel / 15MHz / 64QAM



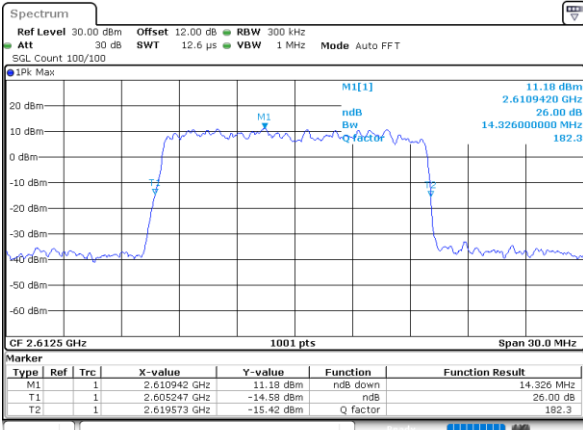
Date: 1.AUG.2020 14:37:29

Middle Channel / 20MHz / 64QAM



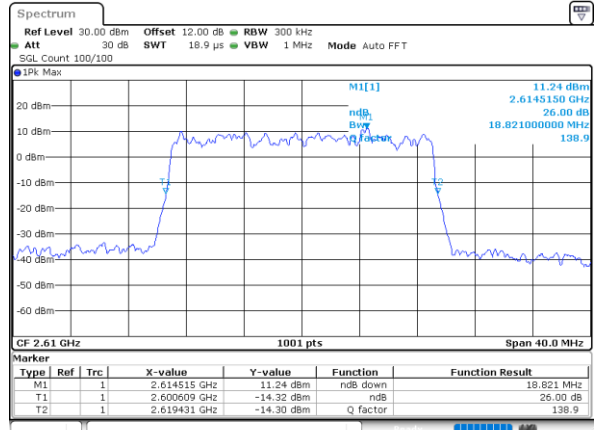
Date: 1.AUG.2020 14:38:39

Highest Channel / 15MHz / 64QAM



Date: 1.AUG.2020 14:37:52

Highest Channel / 20MHz / 64QAM

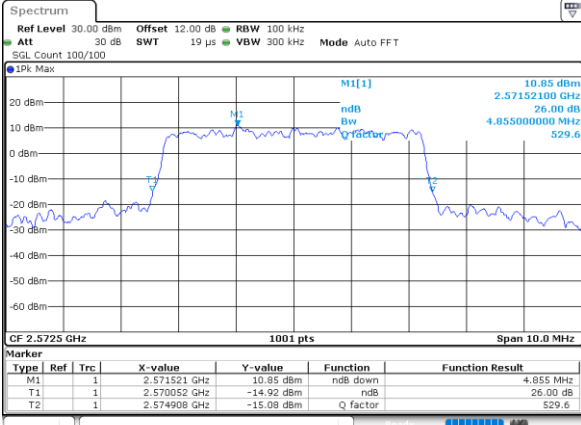


Date: 1.AUG.2020 14:39:02



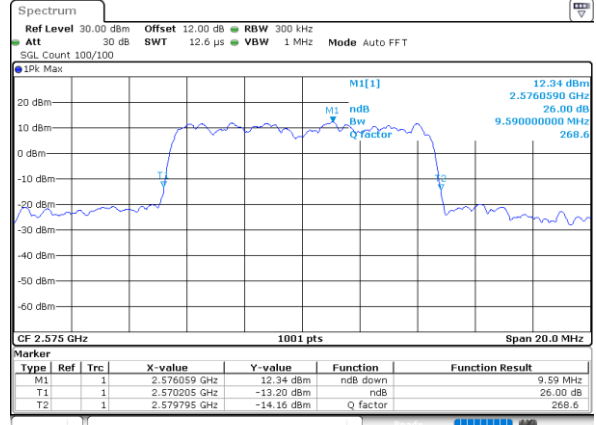
LTE Band 38

Lowest Channel / 5MHz / 256QAM



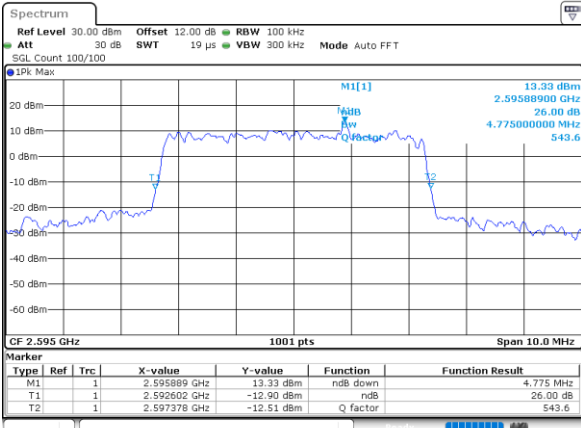
Date: 9.AUG.2020 12:57:46

Lowest Channel / 10MHz / 256QAM



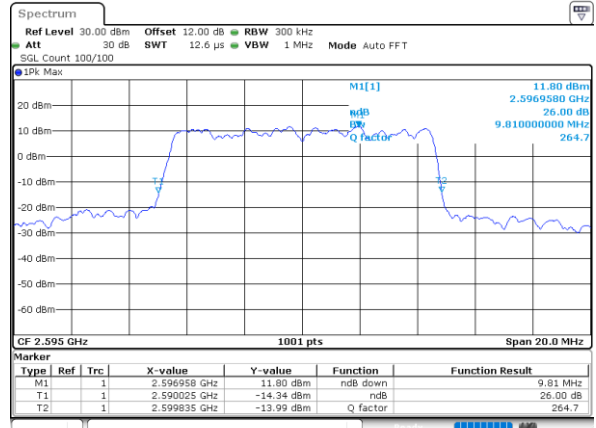
Date: 9.AUG.2020 13:04:19

Middle Channel / 5MHz / 256QAM



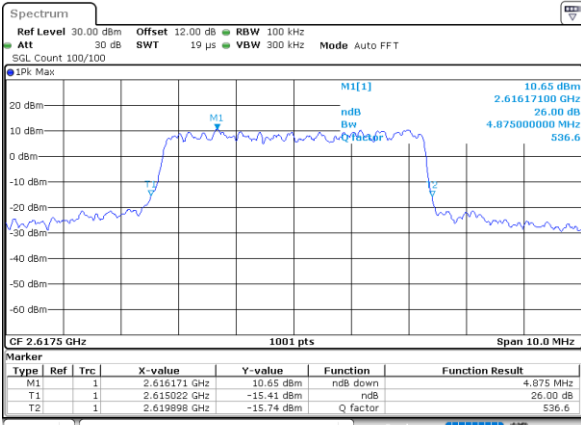
Date: 9.AUG.2020 12:55:32

Middle Channel / 10MHz / 256QAM



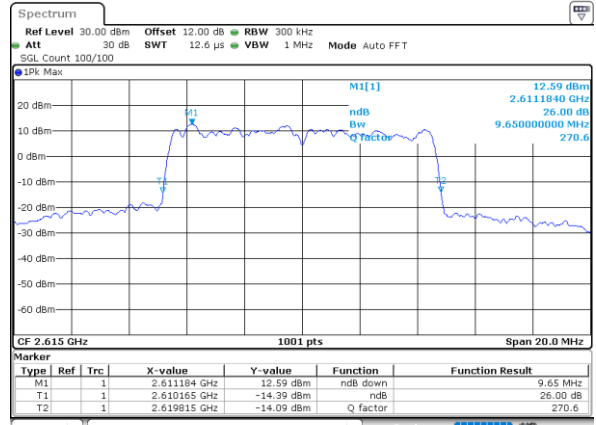
Date: 9.AUG.2020 13:02:39

Highest Channel / 5MHz / 256QAM



Date: 9.AUG.2020 13:00:00

Highest Channel / 10MHz / 256QAM

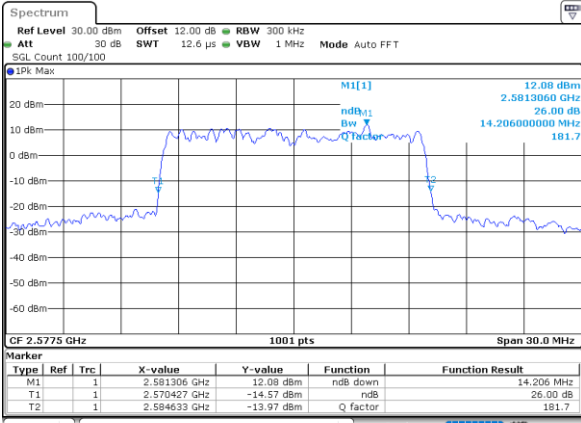


Date: 9.AUG.2020 13:06:32

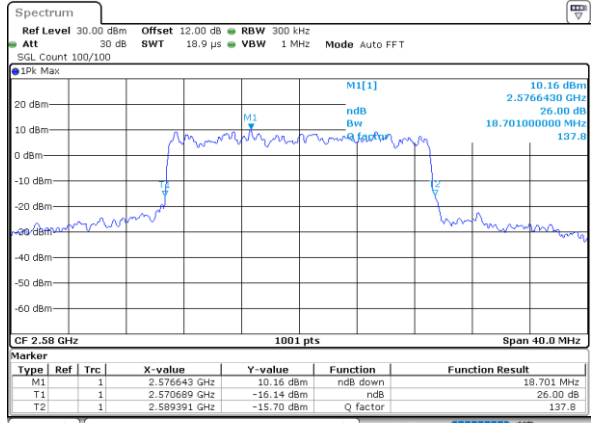


LTE Band 38

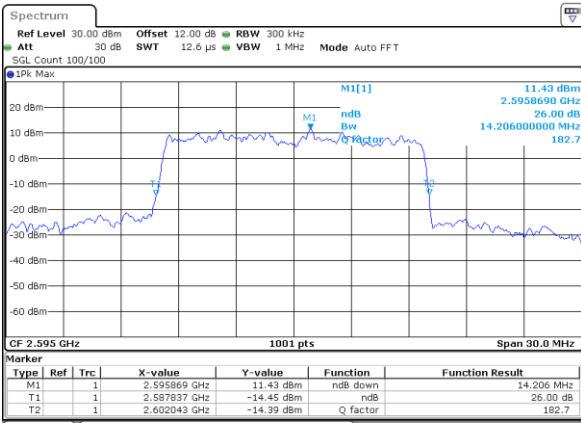
Lowest Channel / 15MHz / 256QAM



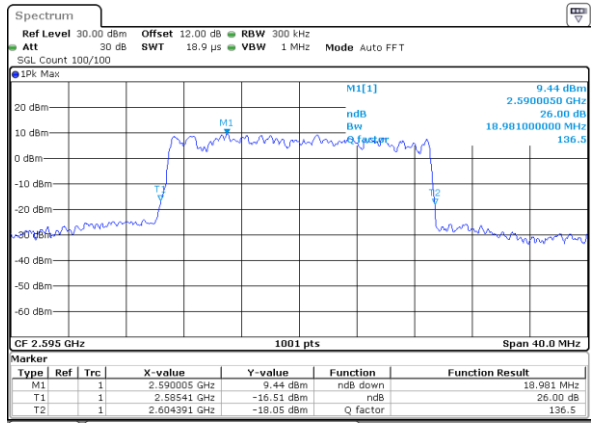
Lowest Channel / 20MHz / 256QAM



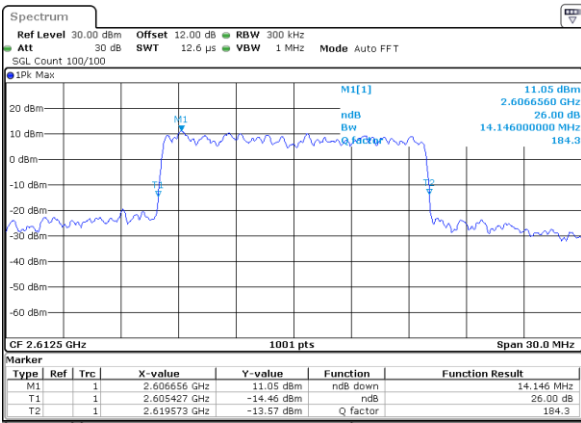
Middle Channel / 15MHz / 256QAM



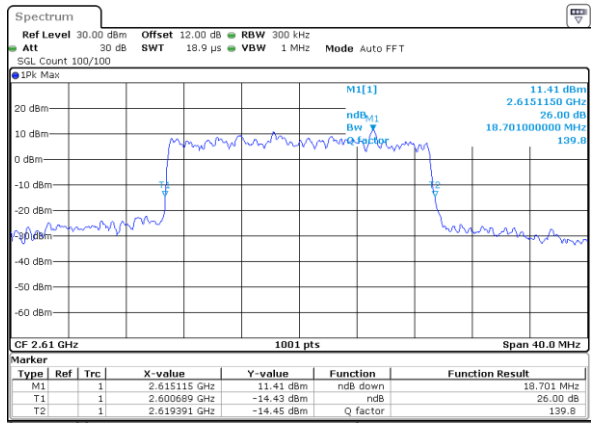
Middle Channel / 20MHz / 256QAM



Highest Channel / 15MHz / 256QAM



Highest Channel / 20MHz / 256QAM





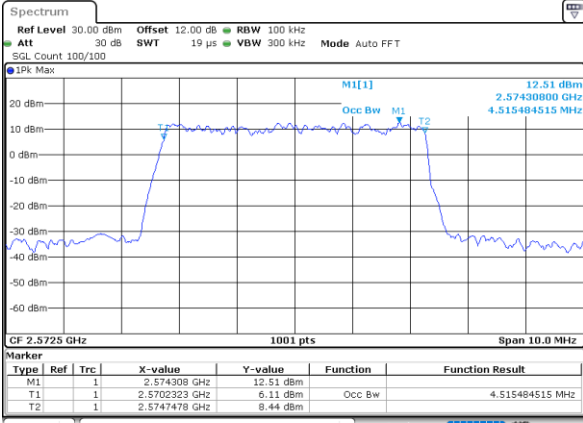
Occupied Bandwidth

Mode	LTE Band 38 : 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	-	-	-	-	4.52	4.49	9.03	9.01	13.37	13.43	17.90	17.90
Middle CH	-	-	-	-	4.47	4.48	9.01	9.09	13.43	13.43	17.90	17.82
Highest CH	-	-	-	-	4.49	4.47	9.05	8.97	13.31	13.43	17.86	17.82
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	4.51	4.48	8.99	9.03	13.49	13.43	17.86	17.86
Middle CH	-	-	-	-	4.52	4.46	9.01	9.01	13.40	13.52	18.02	17.74
Highest CH	-	-	-	-	4.46	4.49	9.01	9.03	13.49	13.40	17.78	17.90



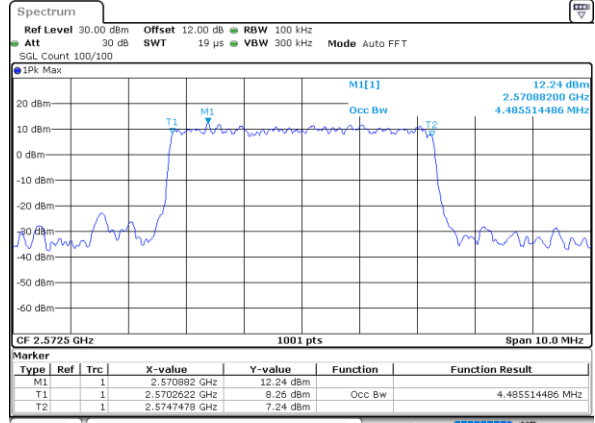
LTE Band 38

Lowest Channel / 5MHz / QPSK



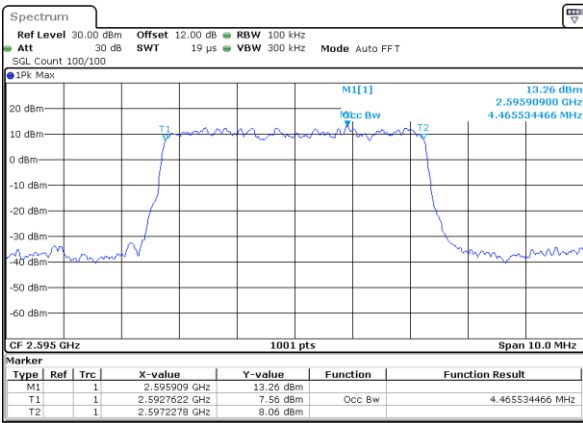
Date: 1.AUG.2020 14:25:15

Lowest Channel / 5MHz / 16QAM



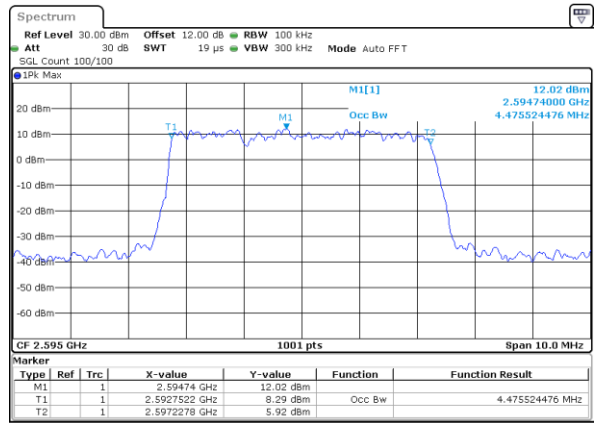
Date: 1.AUG.2020 14:25:27

Middle Channel / 5MHz / QPSK



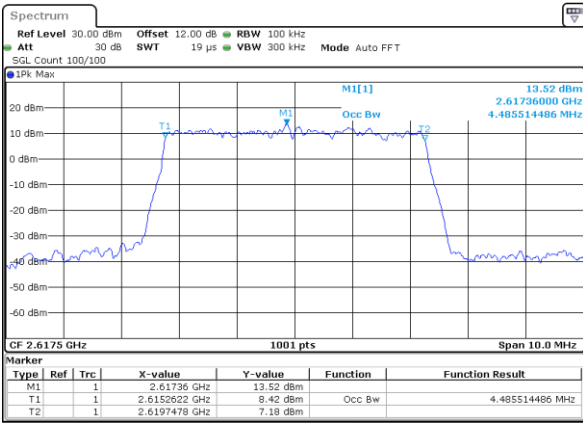
Date: 1.AUG.2020 14:26:02

Middle Channel / 5MHz / 16QAM



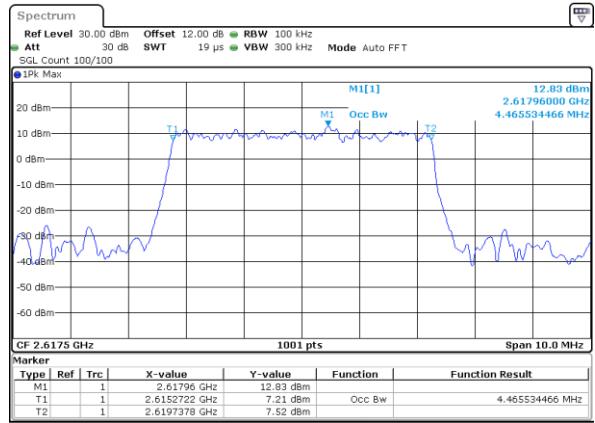
Date: 1.AUG.2020 14:26:13

Highest Channel / 5MHz / QPSK



Date: 1.AUG.2020 14:26:47

Highest Channel / 5MHz / 16QAM



Date: 1.AUG.2020 14:26:59