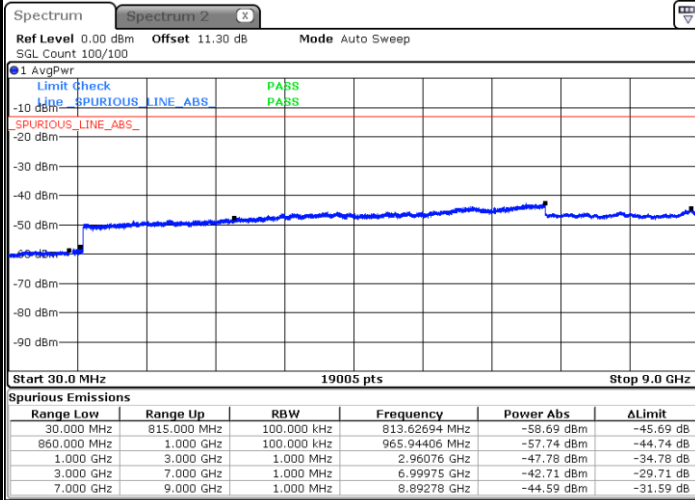




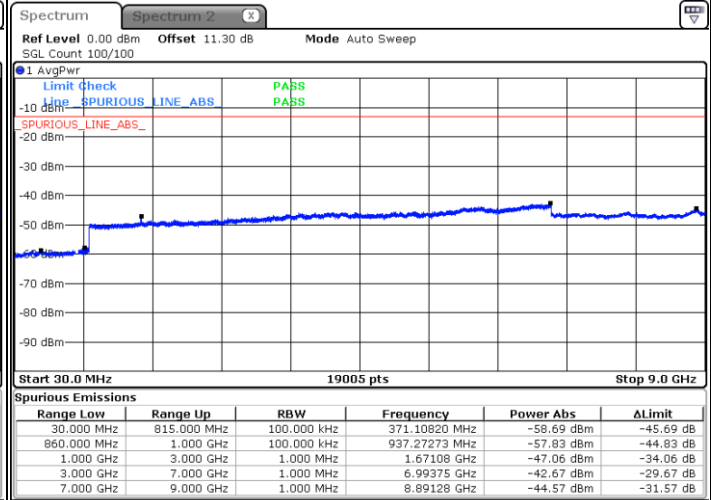
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

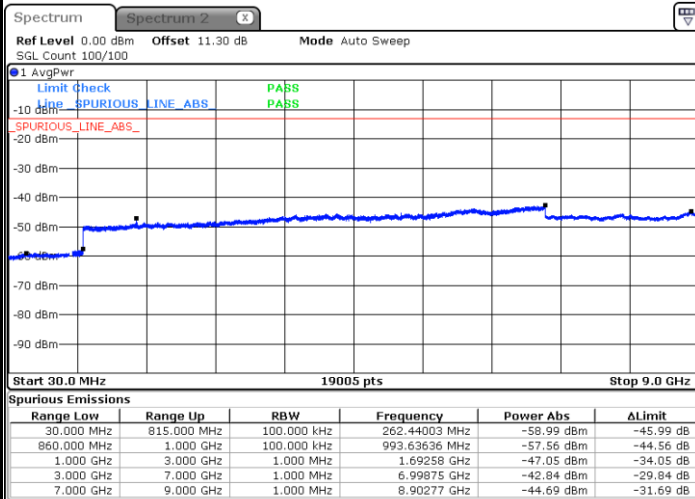


Date: 6 MAY.2020 20:18:08



Date: 6 MAY.2020 20:19:13

Highest Channel / 64QAM



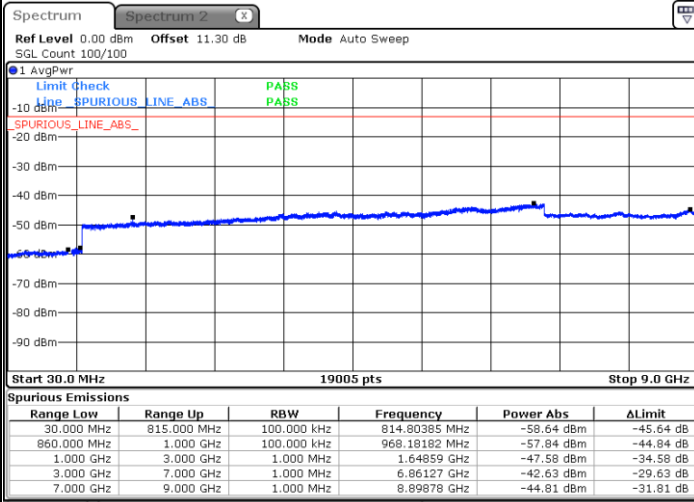
Date: 6 MAY.2020 20:23:39



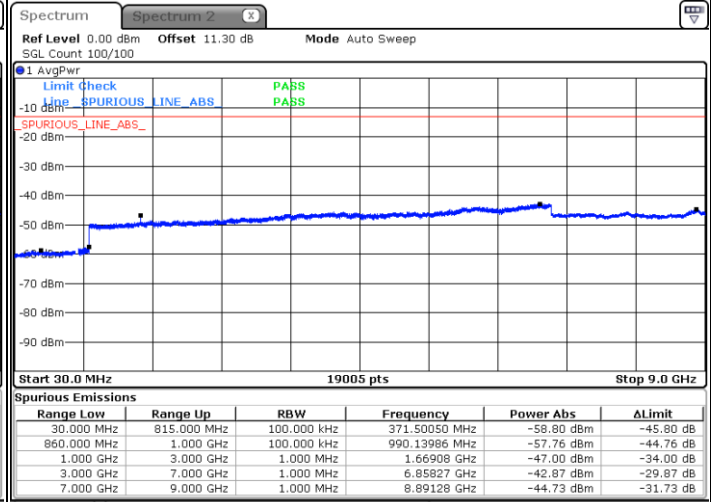
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

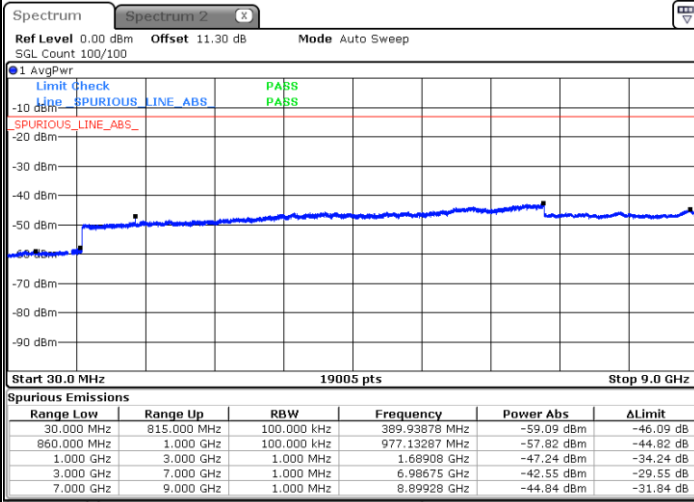


Date: 6 MAY.2020 21:05:34



Date: 6 MAY.2020 21:06:39

Highest Channel / 64QAM



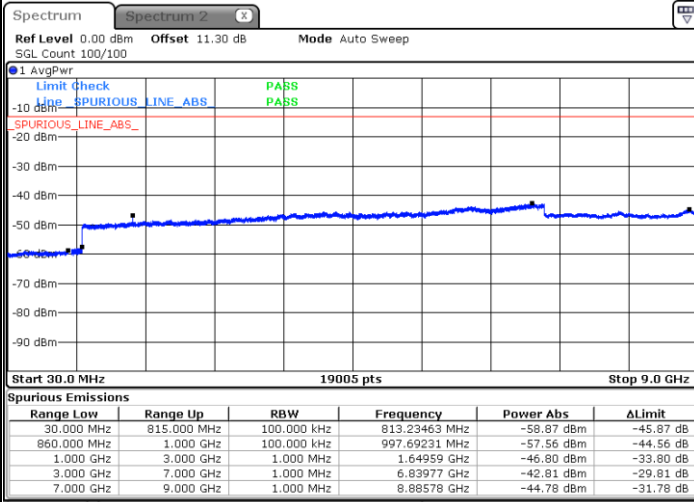
Date: 6 MAY.2020 21:09:08



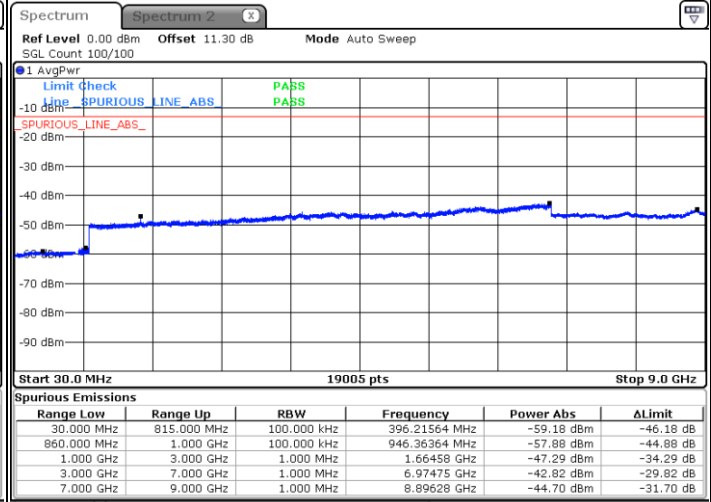
LTE Band 26 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

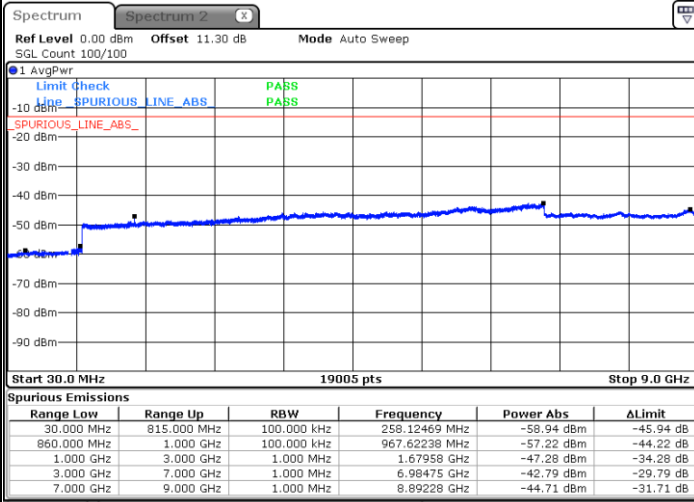


Date: 6 MAY.2020 21:23:31



Date: 6 MAY.2020 21:24:36

Highest Channel / 64QAM

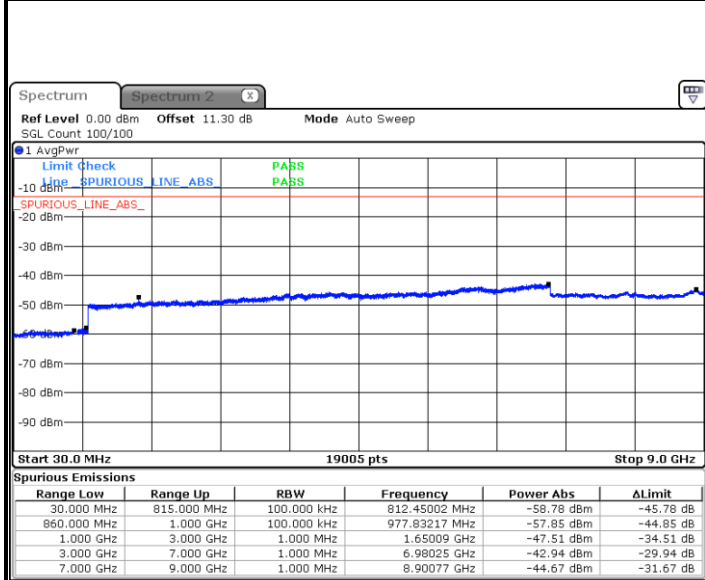


Date: 6 MAY.2020 21:27:03



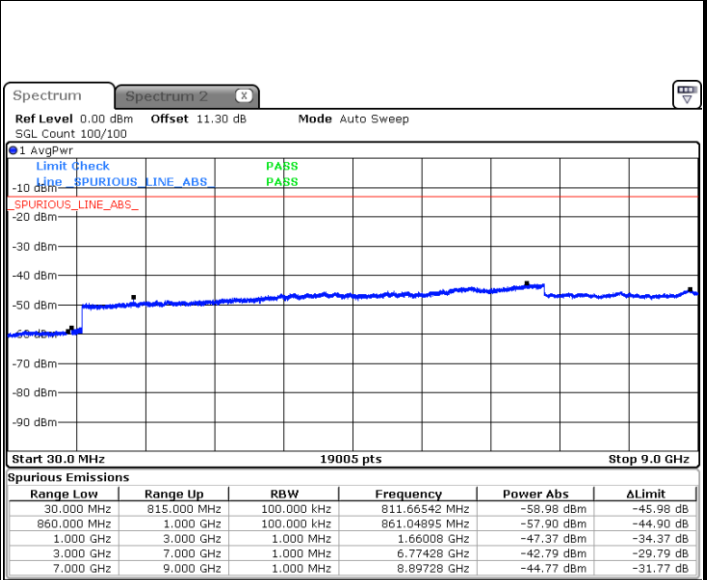
LTE Band 26 / 15MHz

Lowest Channel / 64QAM



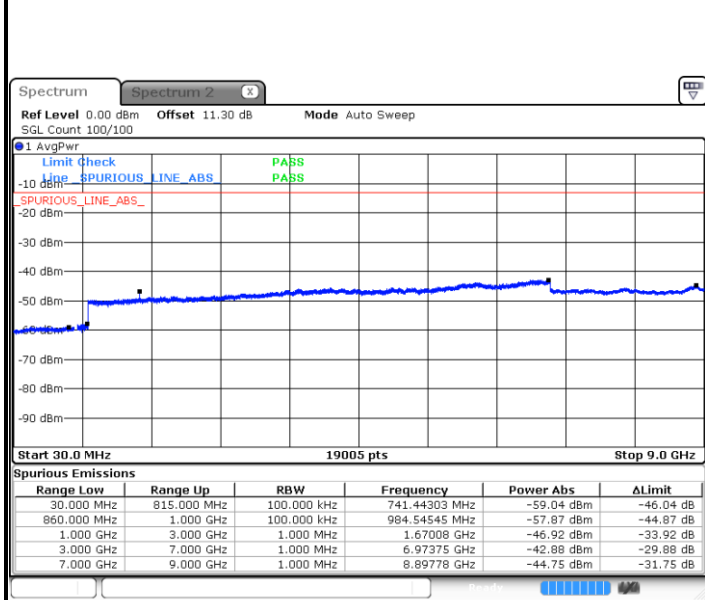
Date: 6 MAY.2020 21:29:27

Middle Channel / 64QAM



Date: 6 MAY.2020 21:30:32

Highest Channel / 64QAM



Date: 6 MAY.2020 21:32:58



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	0.0032	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0139	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0099	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0082	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0128	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0141	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.49 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

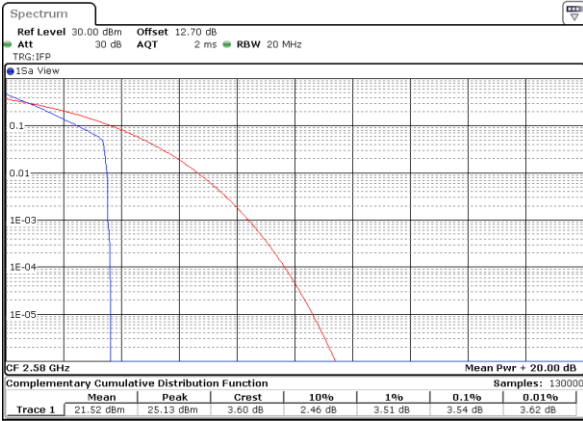
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	5.04	5.30	5.94	PASS
Middle CH	3.59	5.01	5.59	5.94	
Highest CH	3.62	5.01	5.74	5.94	
Mode	LTE Band 38 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.14	6.46	-	-	PASS
Middle CH	6.49	6.49	-	-	
Highest CH	6.32	6.52	-	-	



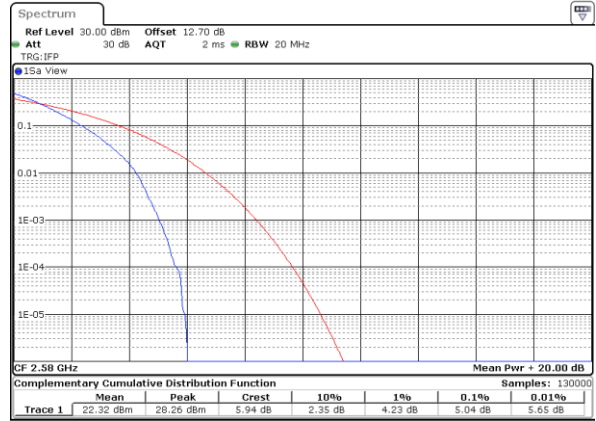
LTE Band 38 / 20MHz / QPSK

Lowest Channel / 1RB



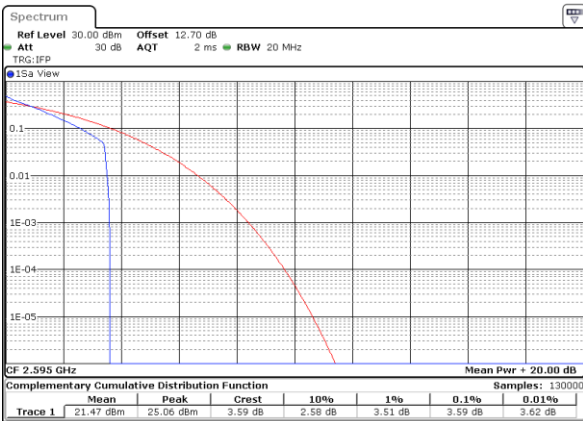
Date: 21 MAY 2020 07:55:55

Lowest Channel / Full RB



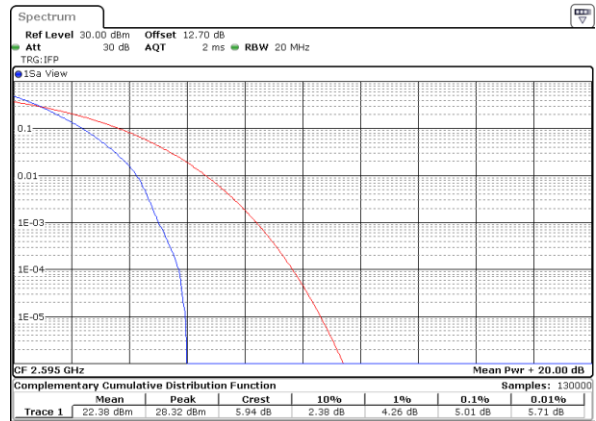
Date: 21 MAY 2020 07:56:10

Middle Channel / 1RB



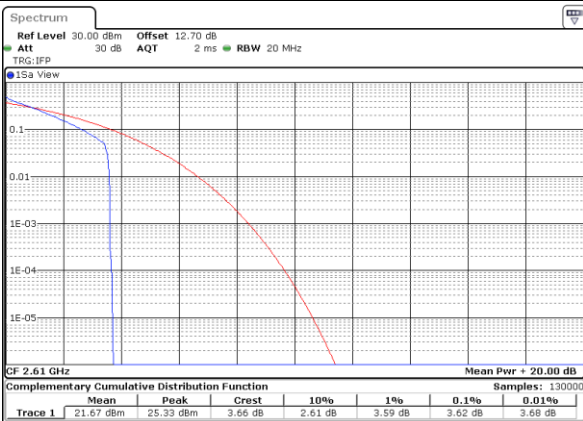
Date: 21 MAY 2020 07:56:24

Middle Channel / Full RB



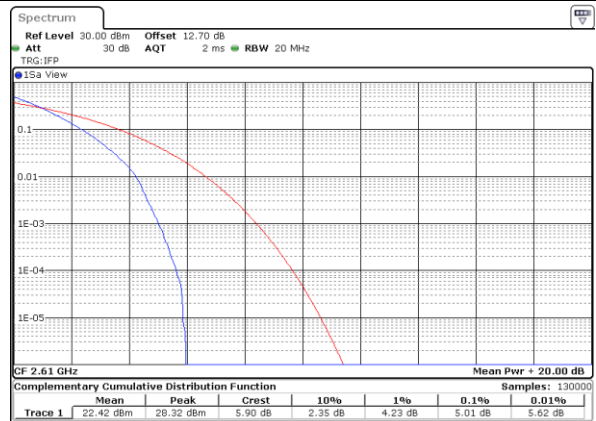
Date: 21 MAY 2020 07:56:40

Highest Channel / 1RB



Date: 21 MAY 2020 07:56:57

Highest Channel / Full RB

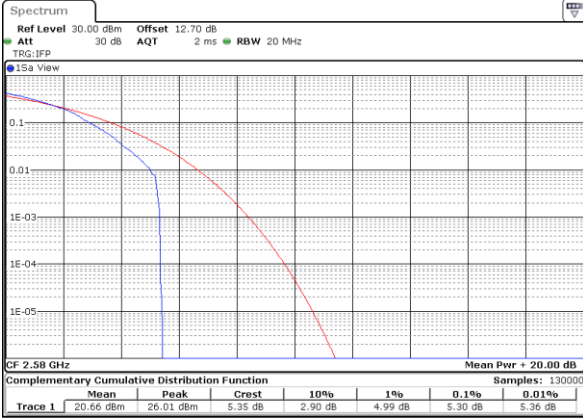


Date: 21 MAY 2020 07:57:14



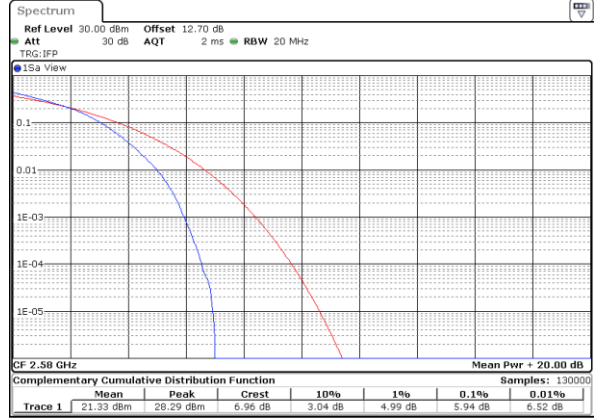
LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



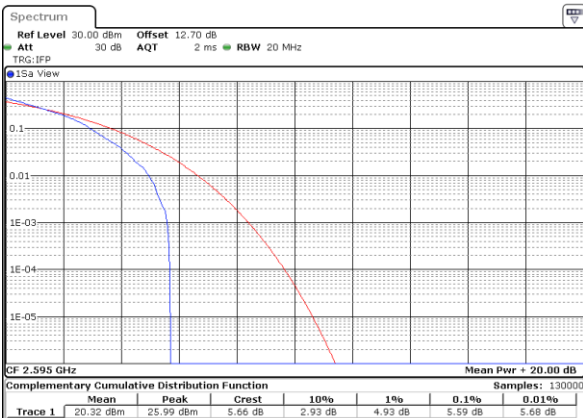
Date: 21 MAY 2020 07:54:10

Lowest Channel / Full RB



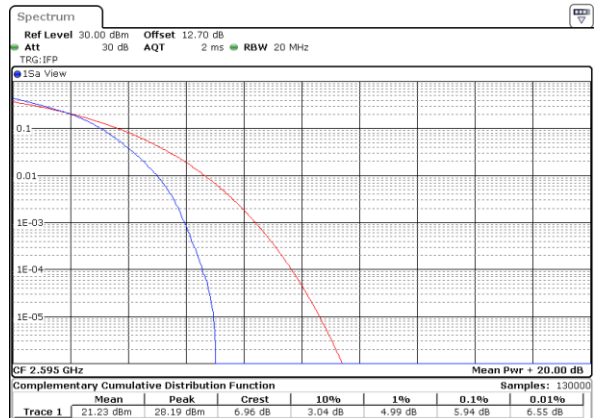
Date: 21 MAY 2020 07:54:25

Middle Channel / 1RB



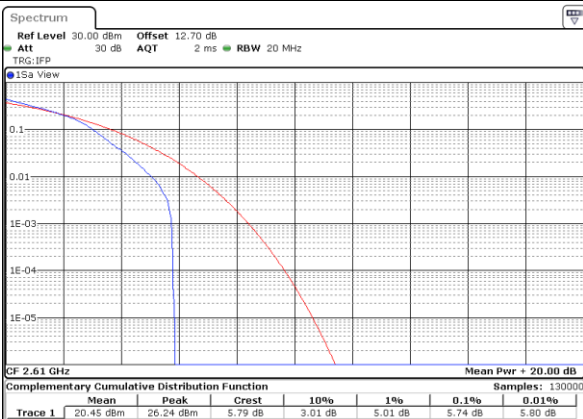
Date: 21 MAY 2020 07:54:39

Middle Channel / Full RB



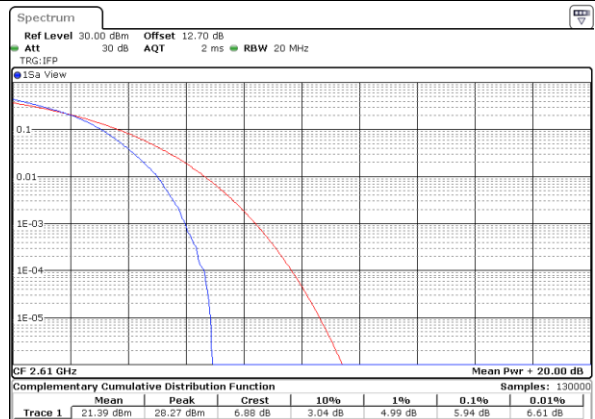
Date: 21 MAY 2020 07:54:53

Highest Channel / 1RB



Date: 21 MAY 2020 07:55:08

Highest Channel / Full RB

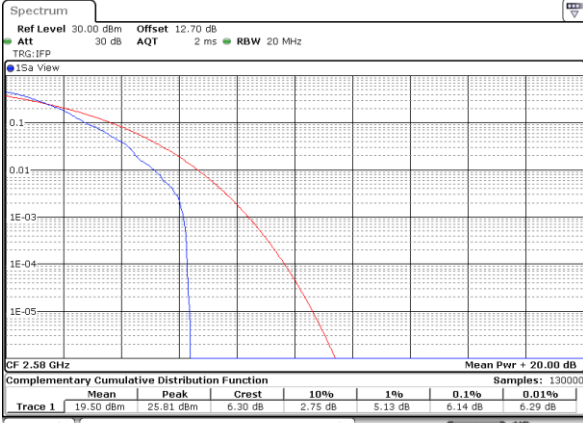


Date: 21 MAY 2020 07:55:26



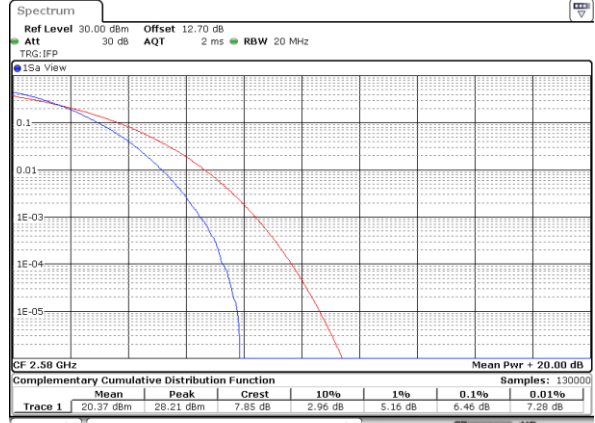
LTE Band 38 / 20MHz / 64QAM

Lowest Channel / 1RB



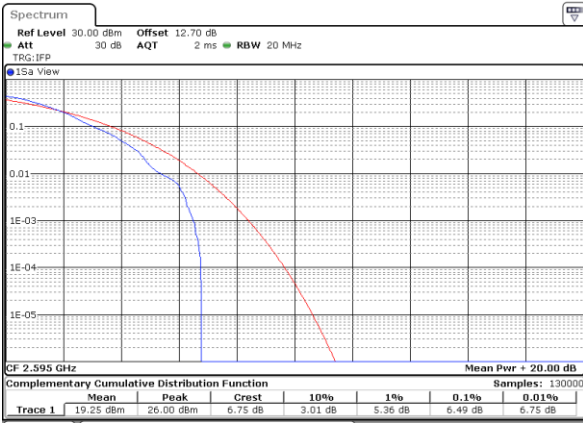
Date: 21 MAY 2020 07:52:27

Lowest Channel / Full RB



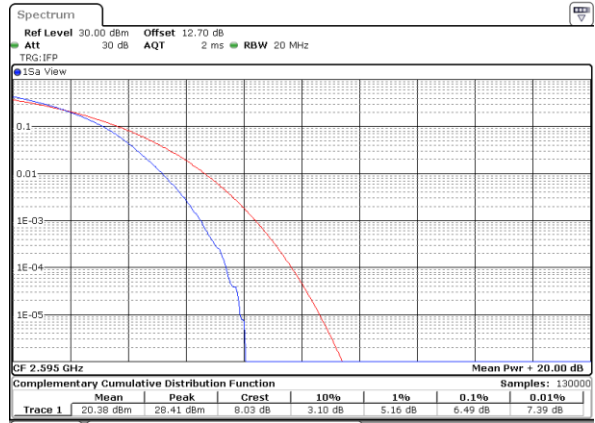
Date: 21 MAY 2020 07:52:42

Middle Channel / 1RB



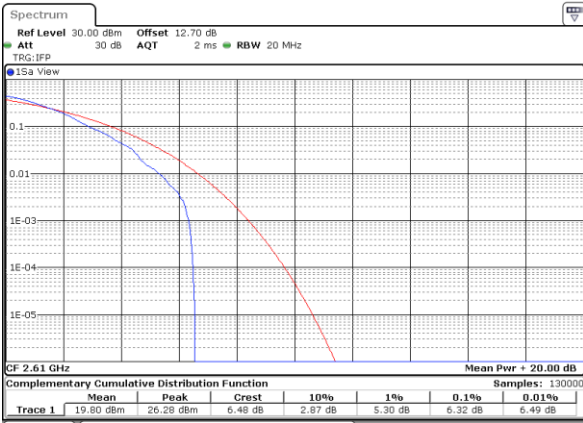
Date: 21 MAY 2020 07:52:56

Middle Channel / Full RB



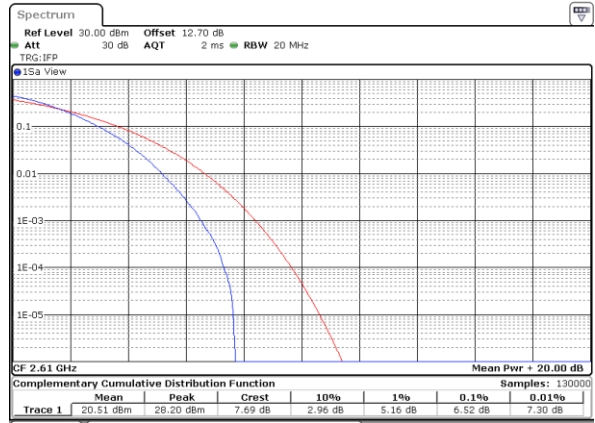
Date: 21 MAY 2020 07:53:12

Highest Channel / 1RB



Date: 21 MAY 2020 07:53:27

Highest Channel / Full RB



Date: 21 MAY 2020 07:53:41



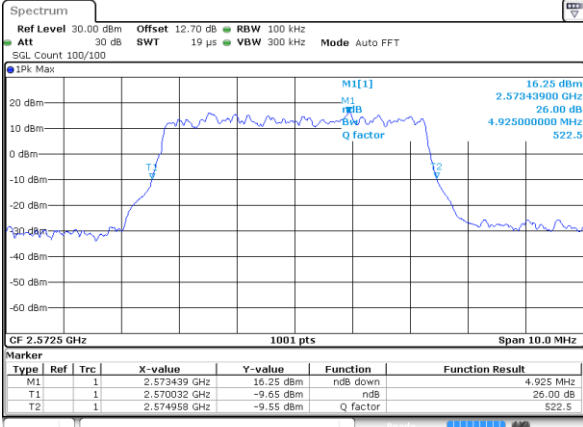
26dB Bandwidth

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	-	-	-	-	4.93	4.88	9.69	9.65	14.33	14.39	18.98	18.82
Middle CH	-	-	-	-	4.84	4.87	9.63	9.77	14.54	14.36	18.70	18.82
Highest CH	-	-	-	-	4.85	4.90	9.73	9.81	14.45	14.81	18.62	18.82
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.88	-	9.69	-	14.36	-	18.66	-
Middle CH	-	-	-	-	4.88	-	9.79	-	14.15	-	18.78	-
Highest CH	-	-	-	-	4.90	-	9.75	-	14.27	-	18.70	-



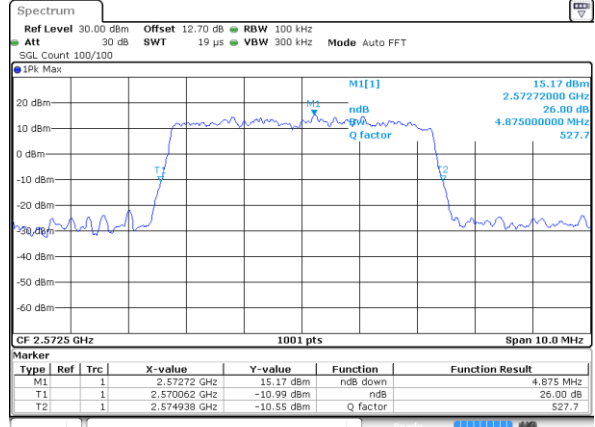
LTE Band 38

Lowest Channel / 5MHz / QPSK



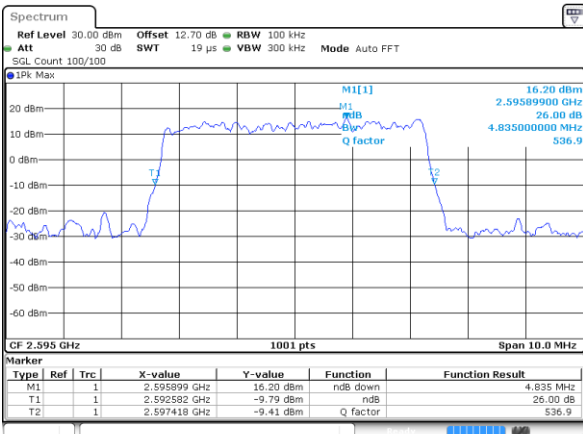
Date: 21 MAY 2020 07:41:31

Lowest Channel / 5MHz / 16QAM



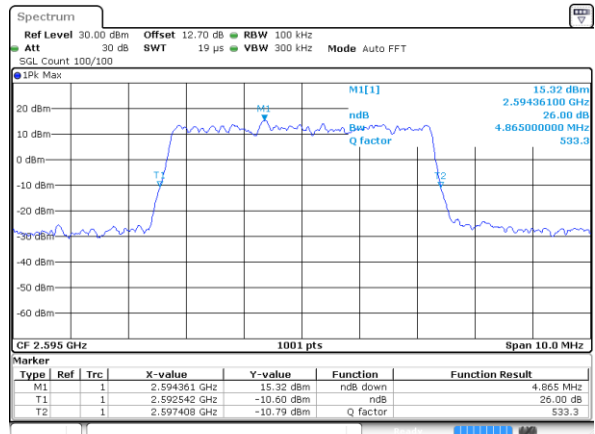
Date: 21 MAY 2020 07:41:43

Middle Channel / 5MHz / QPSK



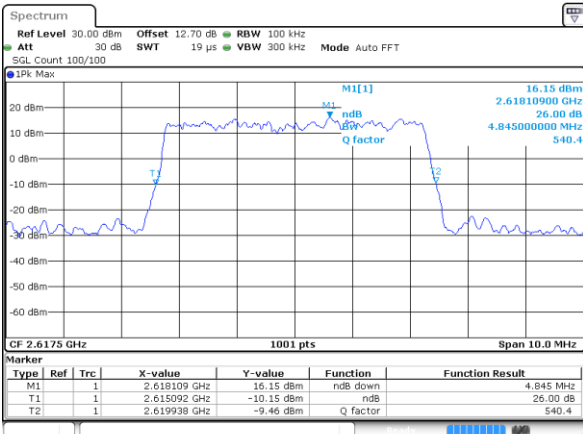
Date: 21 MAY 2020 07:42:18

Middle Channel / 5MHz / 16QAM



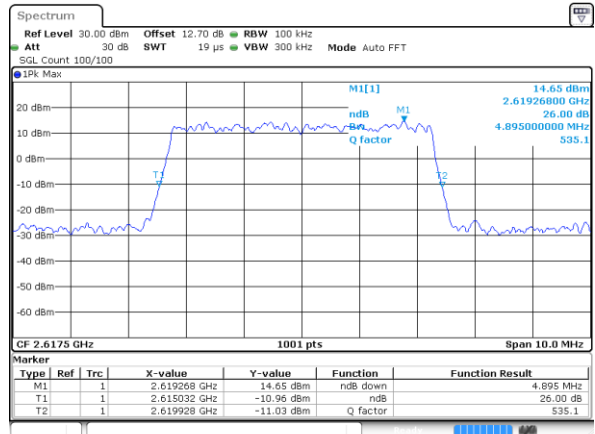
Date: 21 MAY 2020 07:42:30

Highest Channel / 5MHz / QPSK



Date: 21 MAY 2020 07:43:06

Highest Channel / 5MHz / 16QAM

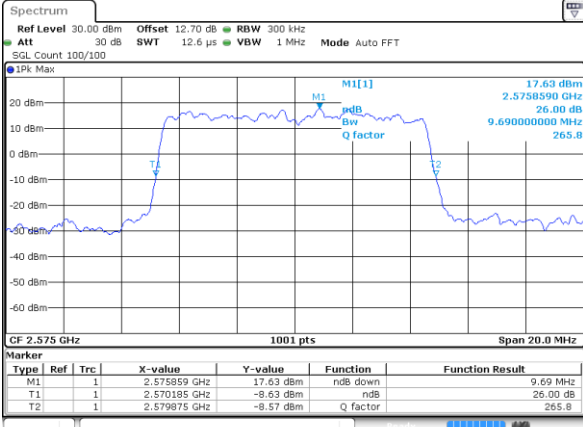


Date: 21 MAY 2020 07:43:18



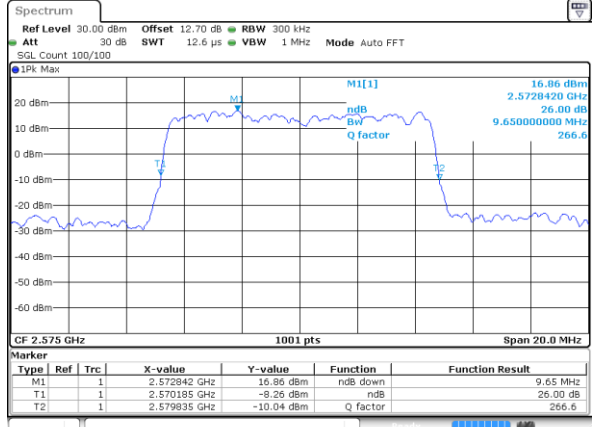
LTE Band 38

Lowest Channel / 10MHz / QPSK



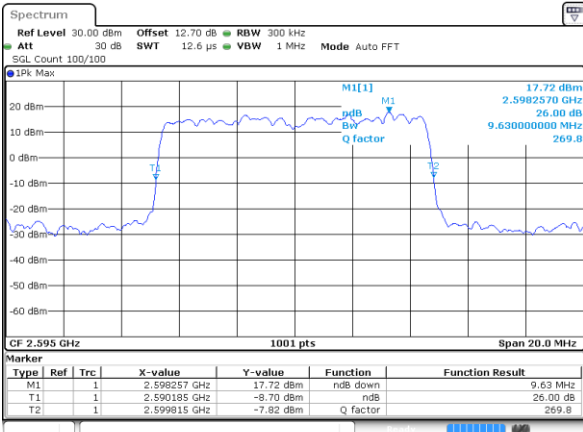
Date: 21 MAY 2020 07:58:08

Lowest Channel / 10MHz / 16QAM



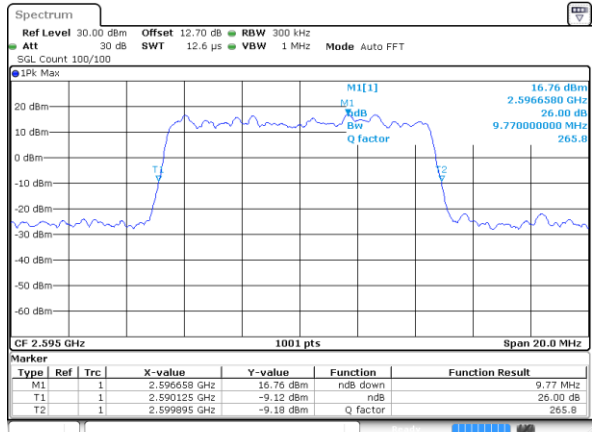
Date: 21 MAY 2020 07:58:28

Middle Channel / 10MHz / QPSK



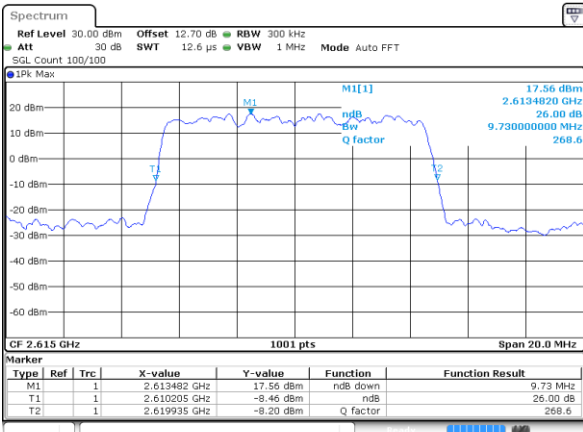
Date: 21 MAY 2020 07:59:36

Middle Channel / 10MHz / 16QAM



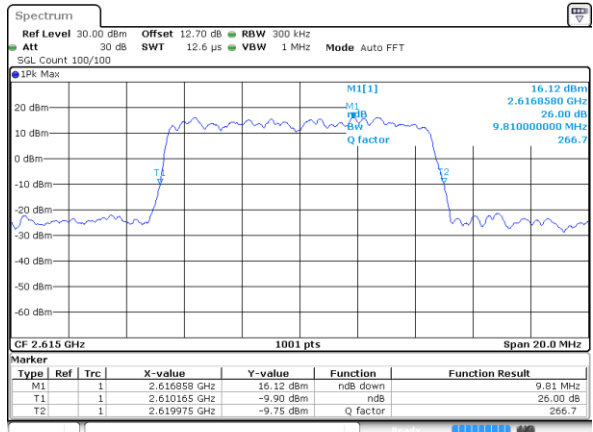
Date: 21 MAY 2020 07:59:56

Highest Channel / 10MHz / QPSK



Date: 21 MAY 2020 08:00:53

Highest Channel / 10MHz / 16QAM

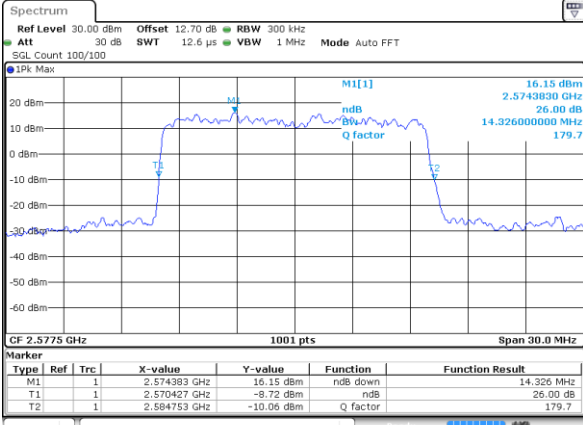


Date: 21 MAY 2020 08:01:11



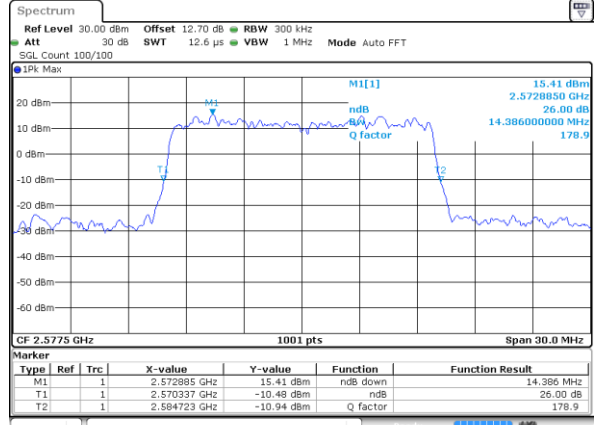
LTE Band 38

Lowest Channel / 15MHz / QPSK



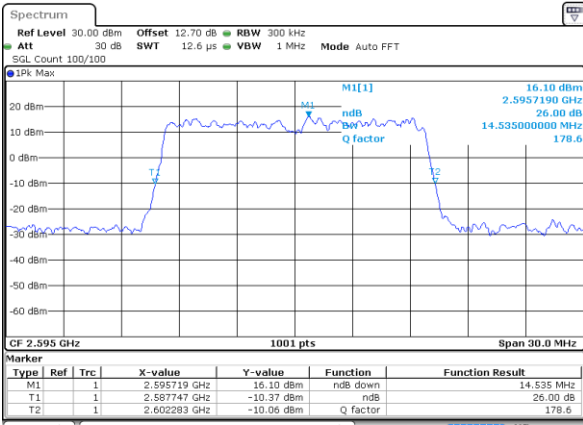
Date: 21 MAY 2020 07:43:56

Lowest Channel / 15MHz / 16QAM



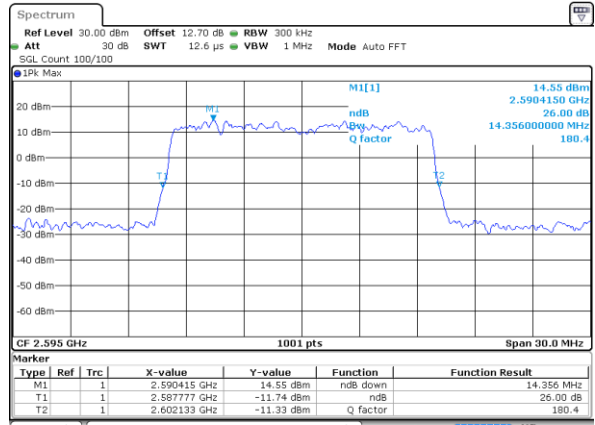
Date: 21 MAY 2020 07:44:08

Middle Channel / 15MHz / QPSK



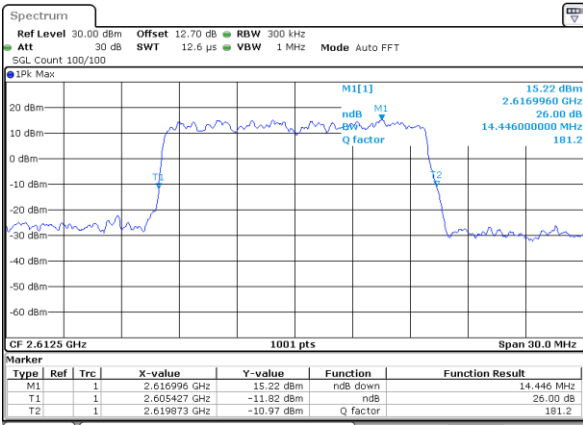
Date: 21 MAY 2020 07:44:43

Middle Channel / 15MHz / 16QAM



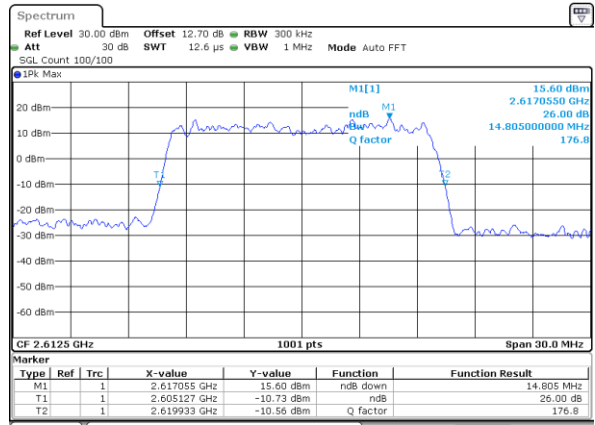
Date: 21 MAY 2020 07:44:54

Highest Channel / 15MHz / QPSK



Date: 21 MAY 2020 07:45:30

Highest Channel / 15MHz / 16QAM

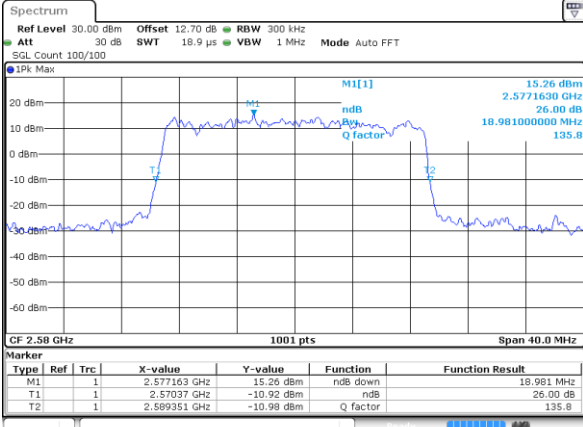


Date: 21 MAY 2020 07:45:42



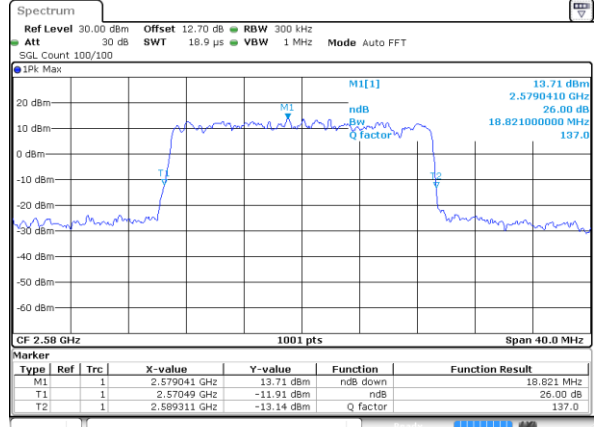
LTE Band 38

Lowest Channel / 20MHz / QPSK



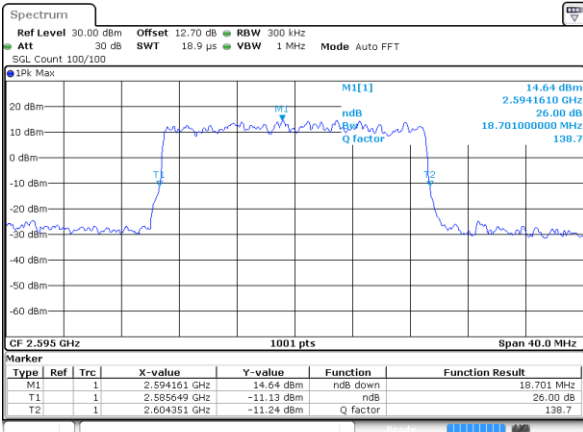
Date: 21 MAY 2020 07:46:20

Lowest Channel / 20MHz / 16QAM



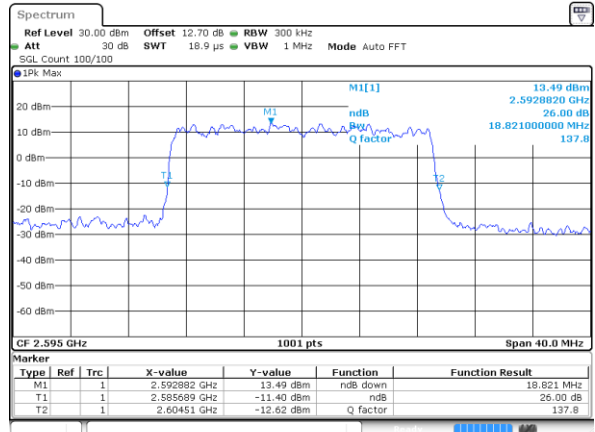
Date: 21 MAY 2020 07:46:32

Middle Channel / 20MHz / QPSK



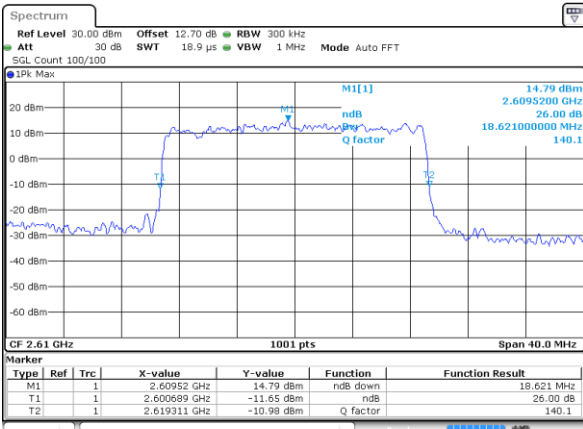
Date: 21 MAY 2020 07:47:07

Middle Channel / 20MHz / 16QAM



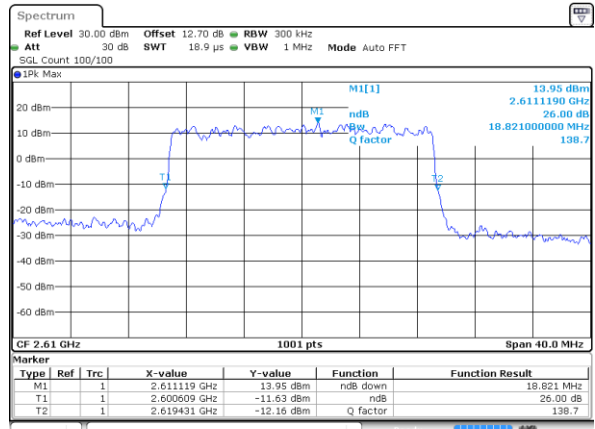
Date: 21 MAY 2020 07:47:19

Highest Channel / 20MHz / QPSK



Date: 21 MAY 2020 07:47:55

Highest Channel / 20MHz / 16QAM

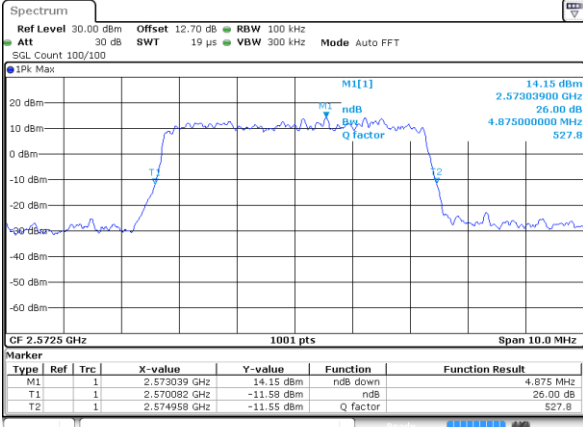


Date: 21 MAY 2020 07:48:07



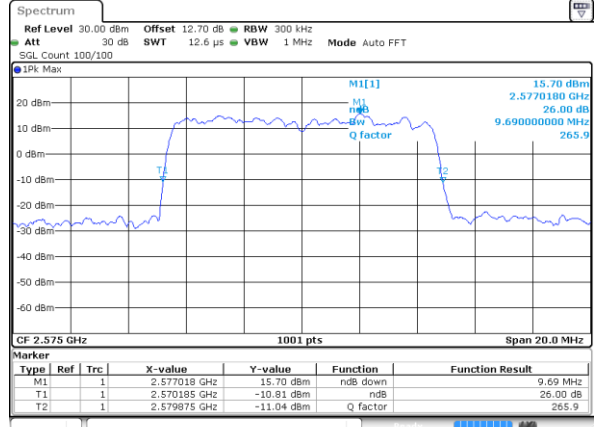
LTE Band 38

Lowest Channel / 5MHz / 64QAM



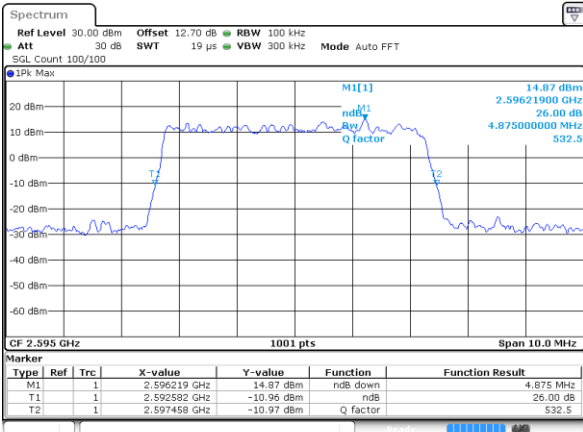
Date: 21 MAY 2020 07:48:33

Lowest Channel / 10MHz / 64QAM



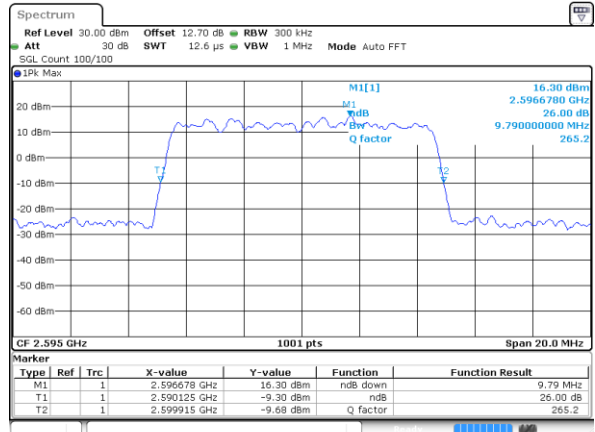
Date: 21 MAY 2020 07:58:55

Middle Channel / 5MHz / 64QAM



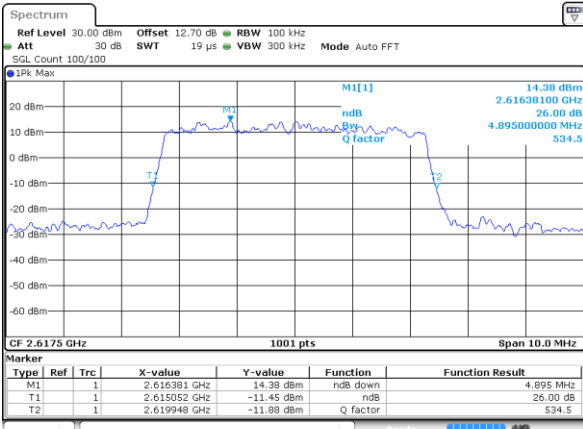
Date: 21 MAY 2020 07:48:56

Middle Channel / 10MHz / 64QAM



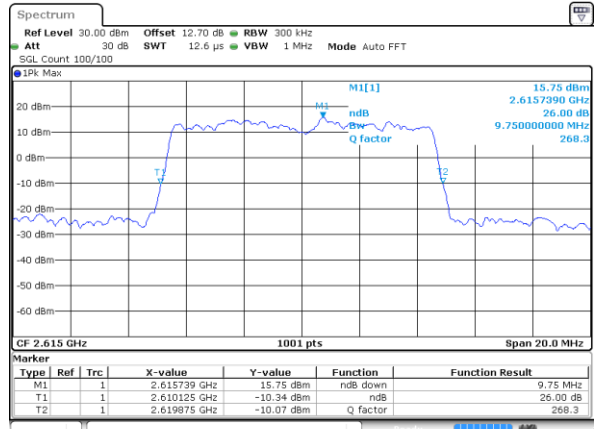
Date: 21 MAY 2020 08:00:15

Highest Channel / 5MHz / 64QAM



Date: 21 MAY 2020 07:49:20

Highest Channel / 10MHz / 64QAM

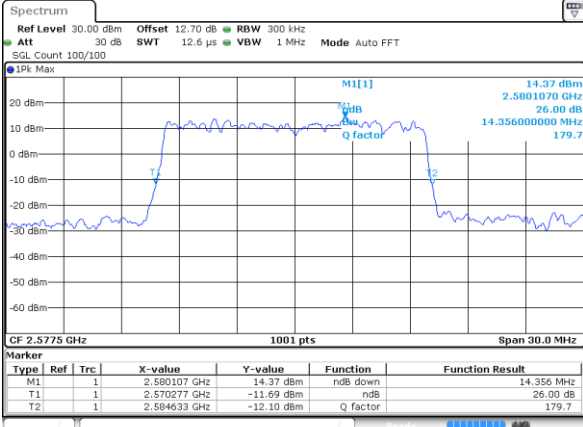


Date: 21 MAY 2020 08:01:30



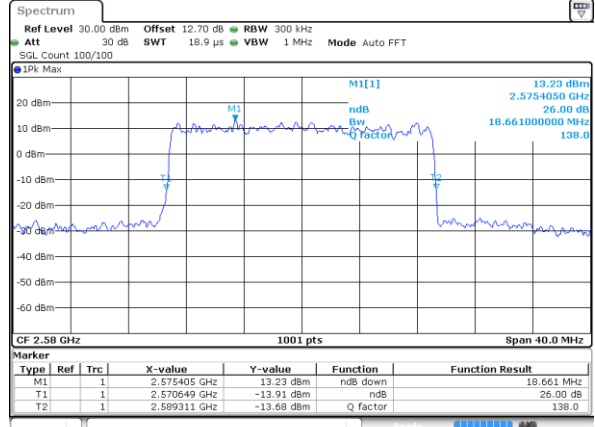
LTE Band 38

Lowest Channel / 15MHz / 64QAM



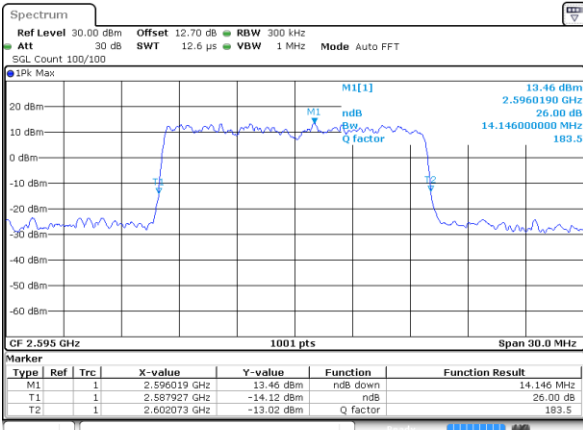
Date: 21 MAY 2020 07:49:45

Lowest Channel / 20MHz / 64QAM



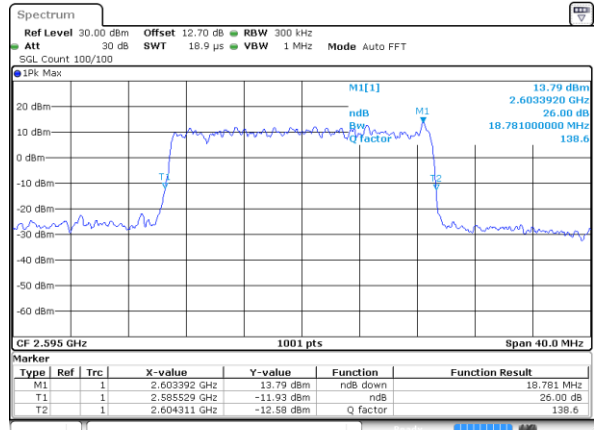
Date: 21 MAY 2020 07:50:58

Middle Channel / 15MHz / 64QAM



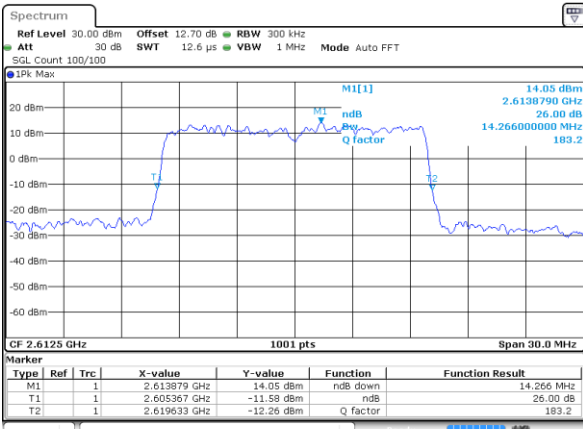
Date: 21 MAY 2020 07:50:08

Middle Channel / 20MHz / 64QAM



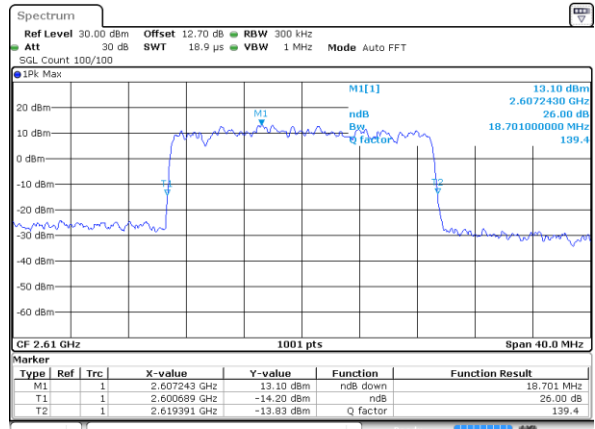
Date: 21 MAY 2020 07:51:21

Highest Channel / 15MHz / 64QAM



Date: 21 MAY 2020 07:50:32

Highest Channel / 20MHz / 64QAM



Date: 21 MAY 2020 07:51:44



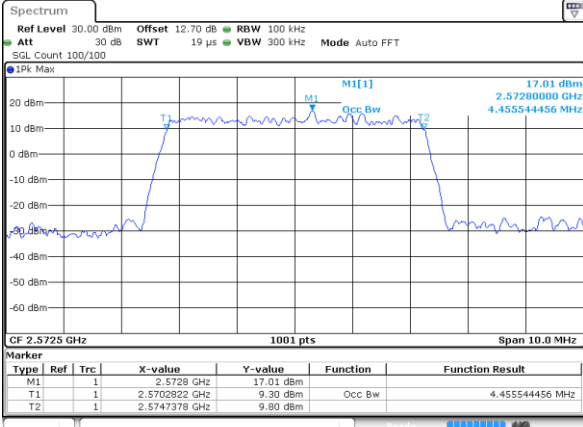
Occupied Bandwidth

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	-	-	-	-	4.46	4.50	9.03	9.03	13.40	13.40	17.78	17.78
Middle CH	-	-	-	-	4.48	4.48	9.03	8.97	13.43	13.37	17.82	17.86
Highest CH	-	-	-	-	4.49	4.51	9.03	9.07	13.49	13.37	17.82	17.82
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	8.97	-	13.46	-	17.90	-
Middle CH	-	-	-	-	4.47	-	8.99	-	13.49	-	17.86	-
Highest CH	-	-	-	-	4.50	-	9.05	-	13.49	-	17.78	-



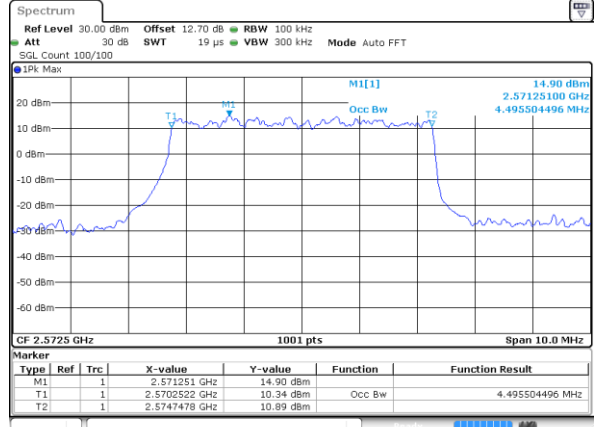
LTE Band 38

Lowest Channel / 5MHz / QPSK



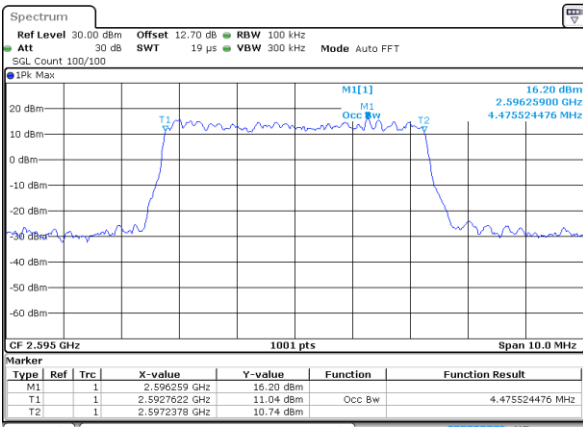
Date: 21 MAY 2020 07:41:07

Lowest Channel / 5MHz / 16QAM



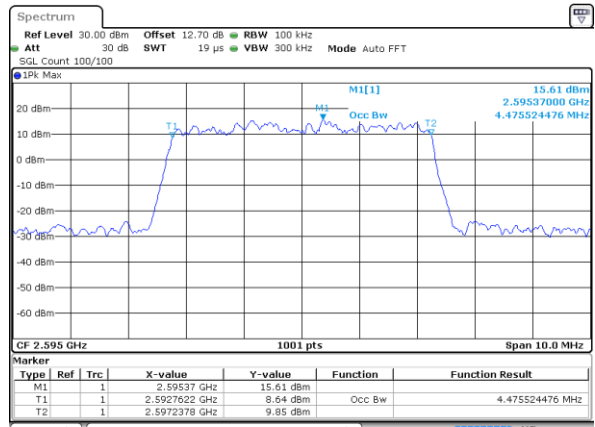
Date: 21 MAY 2020 07:41:19

Middle Channel / 5MHz / QPSK



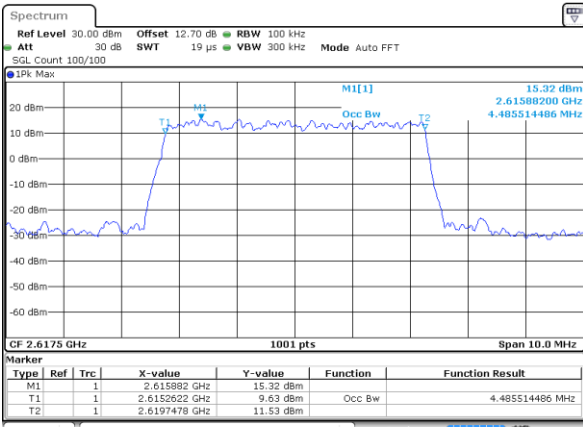
Date: 21 MAY 2020 07:41:55

Middle Channel / 5MHz / 16QAM



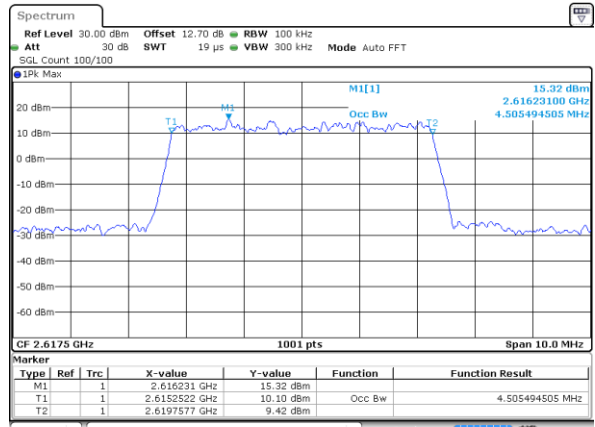
Date: 21 MAY 2020 07:42:07

Highest Channel / 5MHz / QPSK



Date: 21 MAY 2020 07:42:42

Highest Channel / 5MHz / 16QAM

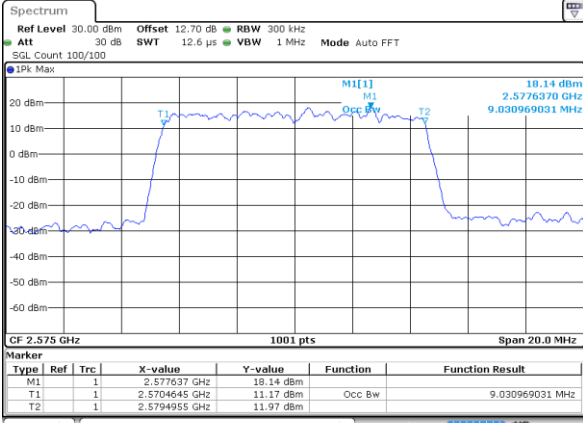


Date: 21 MAY 2020 07:42:54



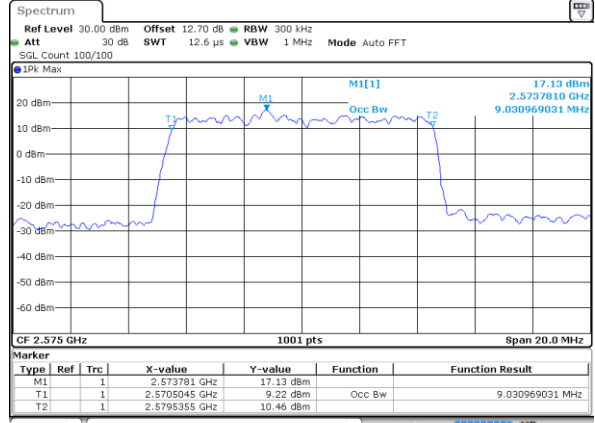
LTE Band 38

Lowest Channel / 10MHz / QPSK



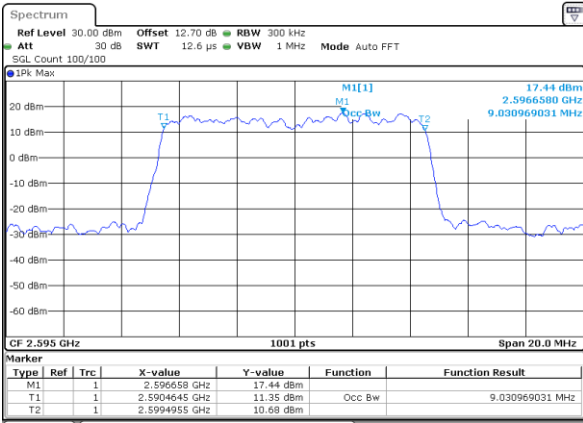
Date: 21 MAY 2020 07:57:56

Lowest Channel / 10MHz / 16QAM



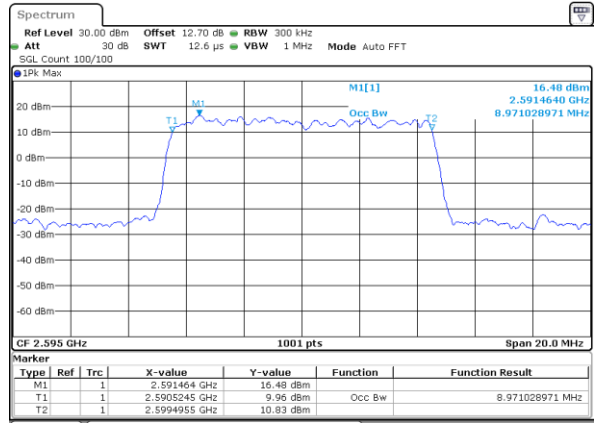
Date: 21 MAY 2020 07:58:21

Middle Channel / 10MHz / QPSK



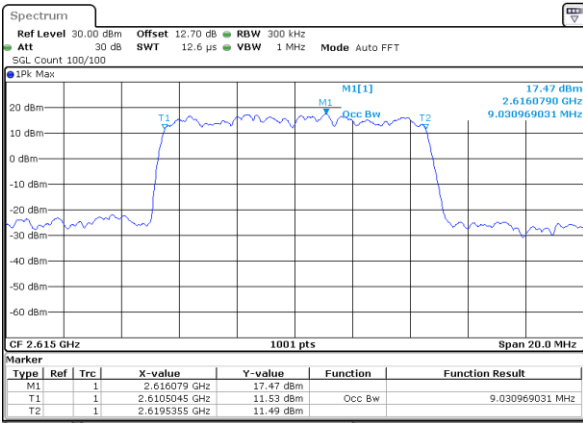
Date: 21 MAY 2020 07:59:29

Middle Channel / 10MHz / 16QAM



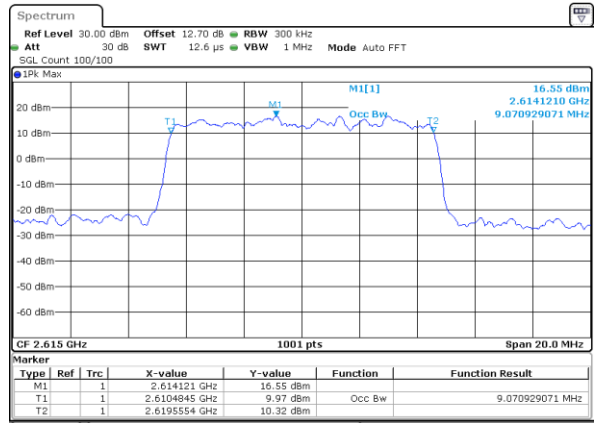
Date: 21 MAY 2020 07:59:50

Highest Channel / 10MHz / QPSK



Date: 21 MAY 2020 08:00:47

Highest Channel / 10MHz / 16QAM

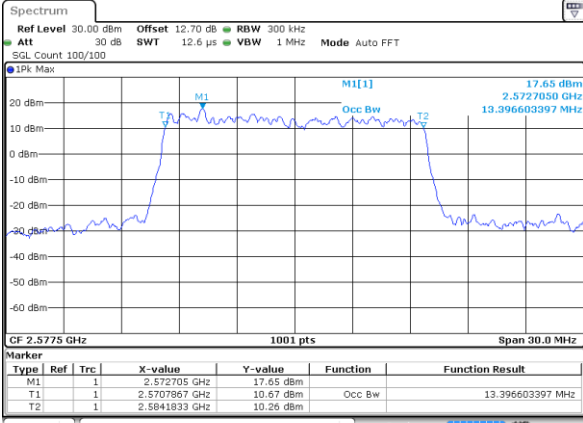


Date: 21 MAY 2020 08:01:05



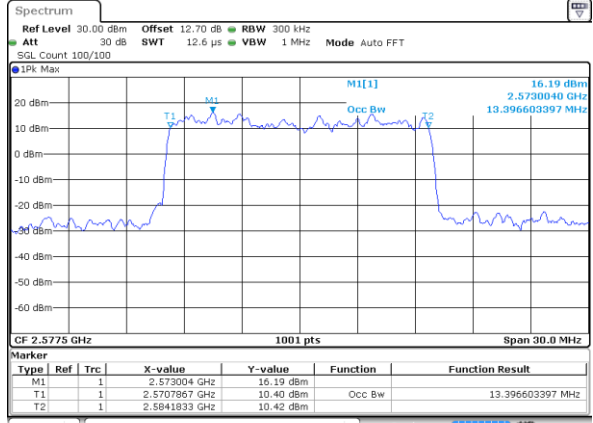
LTE Band 38

Lowest Channel / 15MHz / QPSK



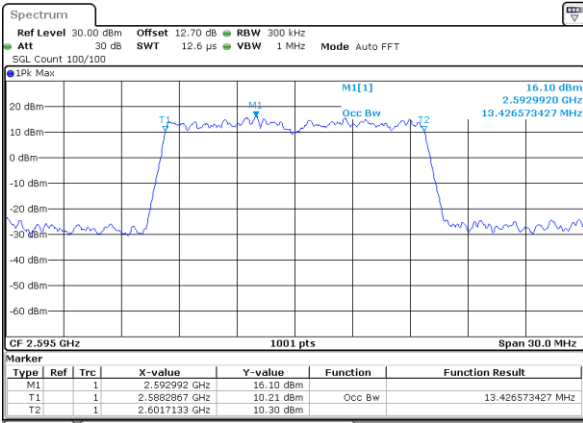
Date: 21 MAY 2020 07:43:32

Lowest Channel / 15MHz / 16QAM



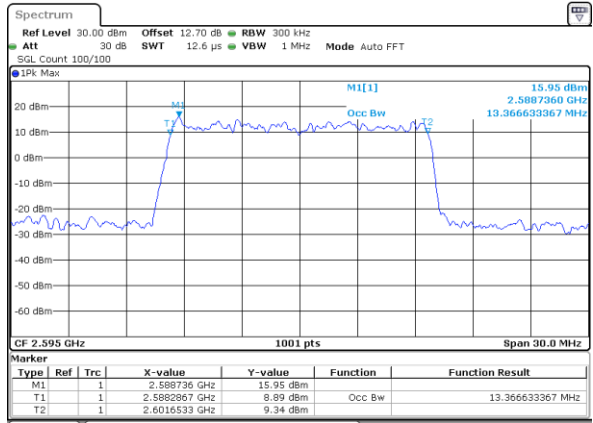
Date: 21 MAY 2020 07:43:44

Middle Channel / 15MHz / QPSK



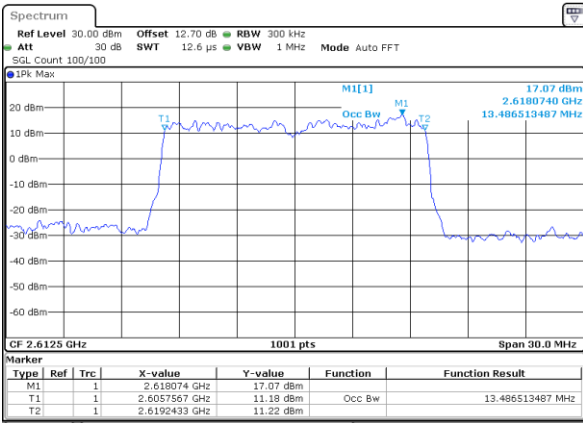
Date: 21 MAY 2020 07:44:20

Middle Channel / 15MHz / 16QAM



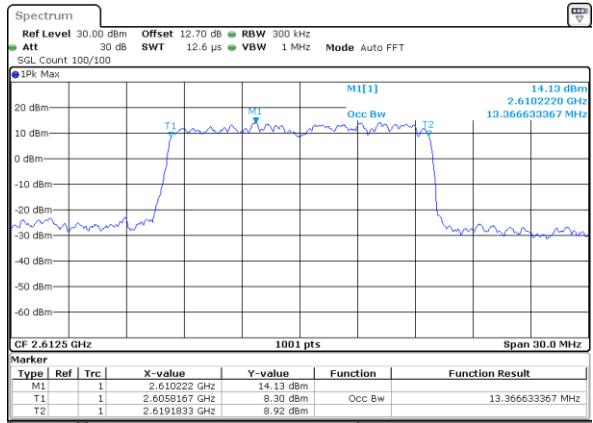
Date: 21 MAY 2020 07:44:32

Highest Channel / 15MHz / QPSK



Date: 21 MAY 2020 07:45:06

Highest Channel / 15MHz / 16QAM

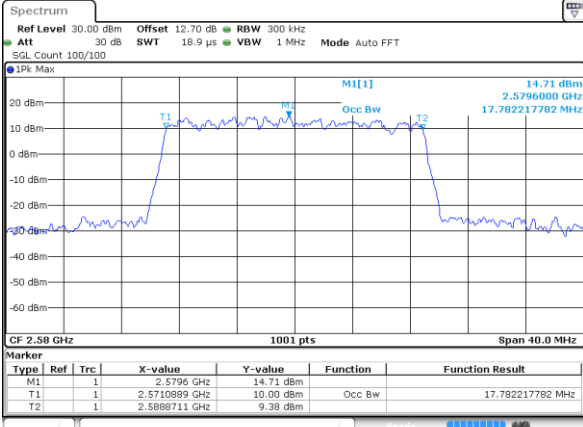


Date: 21 MAY 2020 07:45:18



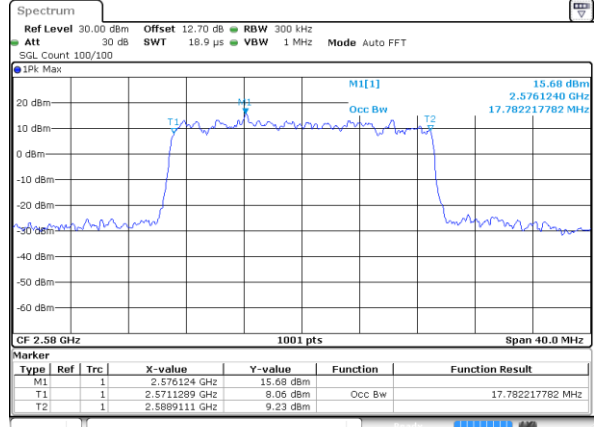
LTE Band 38

Lowest Channel / 20MHz / QPSK



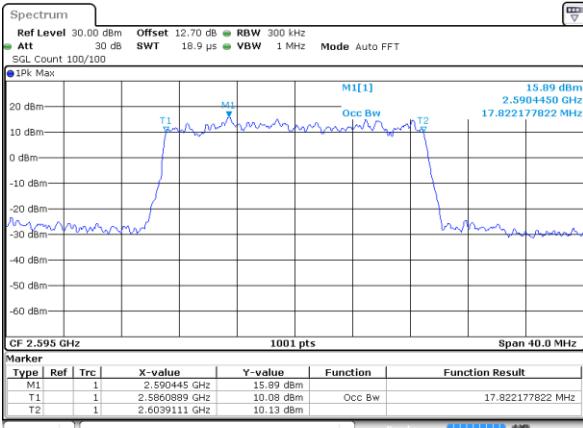
Date: 21 MAY 2020 07:45:56

Lowest Channel / 20MHz / 16QAM



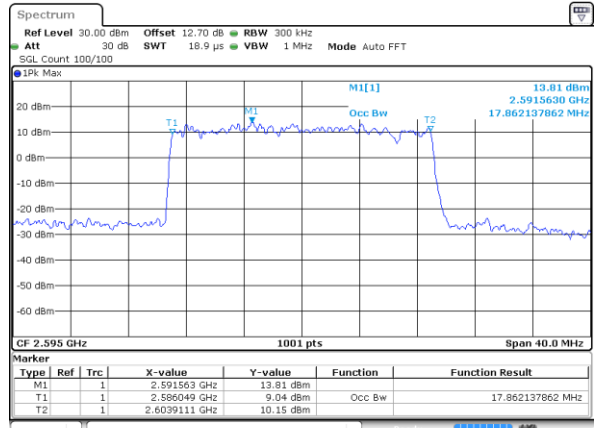
Date: 21 MAY 2020 07:46:08

Middle Channel / 20MHz / QPSK



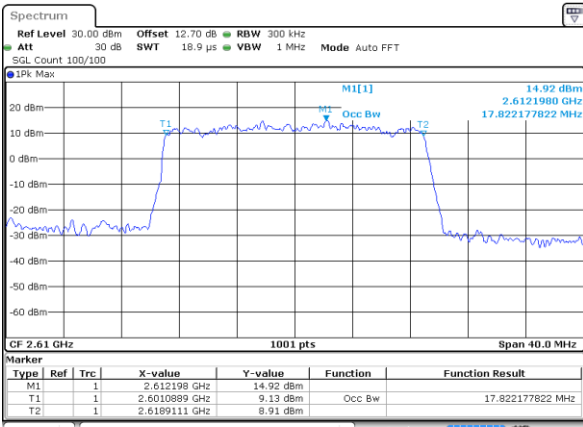
Date: 21 MAY 2020 07:46:44

Middle Channel / 20MHz / 16QAM



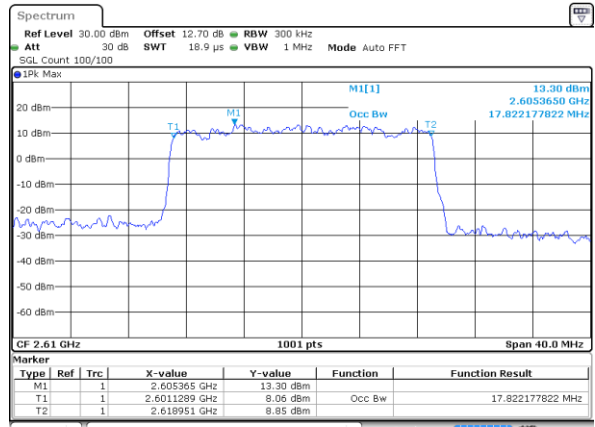
Date: 21 MAY 2020 07:46:55

Highest Channel / 20MHz / QPSK



Date: 21 MAY 2020 07:47:30

Highest Channel / 20MHz / 16QAM

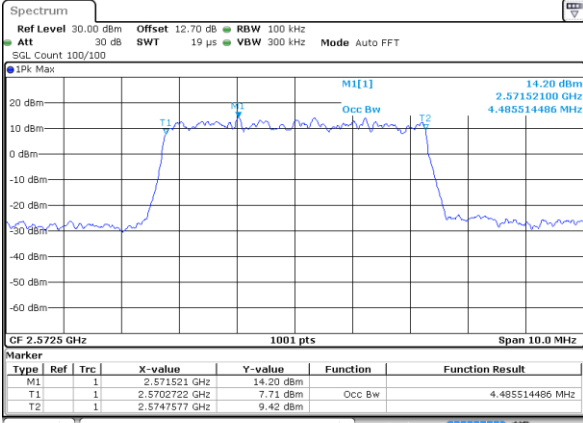


Date: 21 MAY 2020 07:47:42



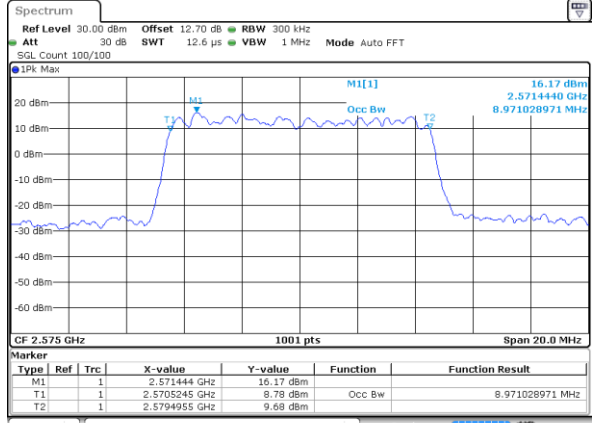
LTE Band 38

Lowest Channel / 5MHz / 64QAM



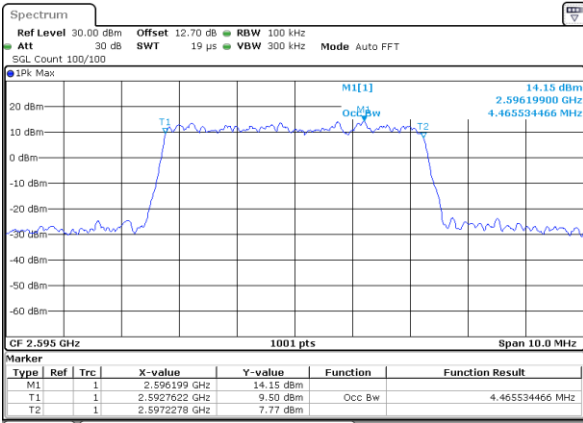
Date: 21 MAY 2020 07:48:21

Lowest Channel / 10MHz / 64QAM



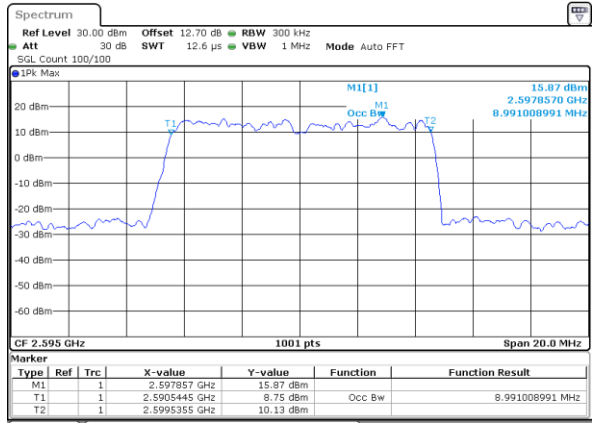
Date: 21 MAY 2020 07:58:48

Middle Channel / 5MHz / 64QAM



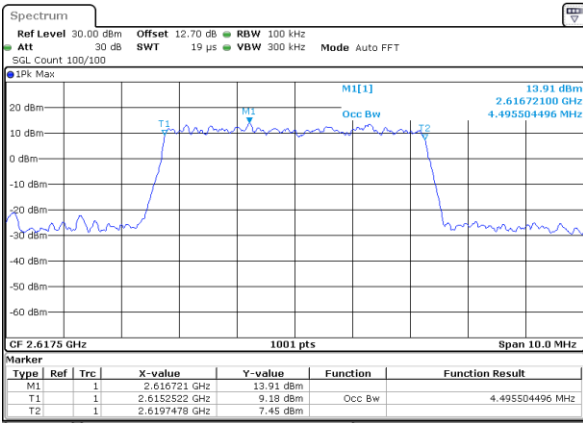
Date: 21 MAY 2020 07:48:45

Middle Channel / 10MHz / 64QAM



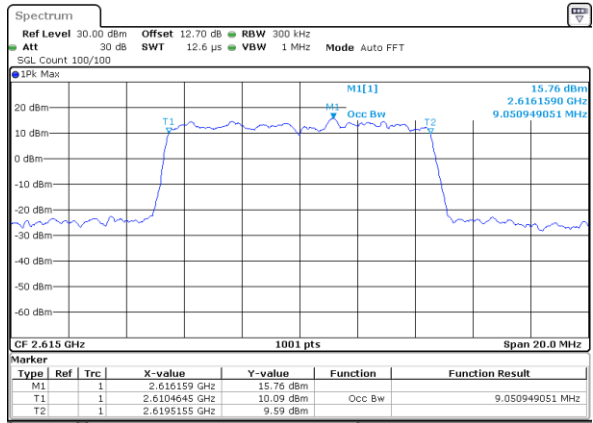
Date: 21 MAY 2020 08:00:08

Highest Channel / 5MHz / 64QAM



Date: 21 MAY 2020 07:49:08

Highest Channel / 10MHz / 64QAM

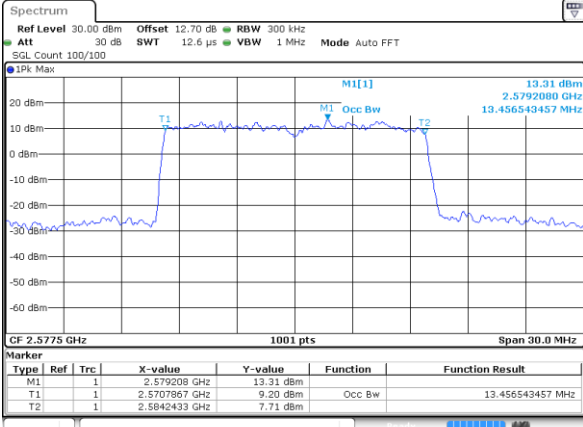


Date: 21 MAY 2020 08:01:24



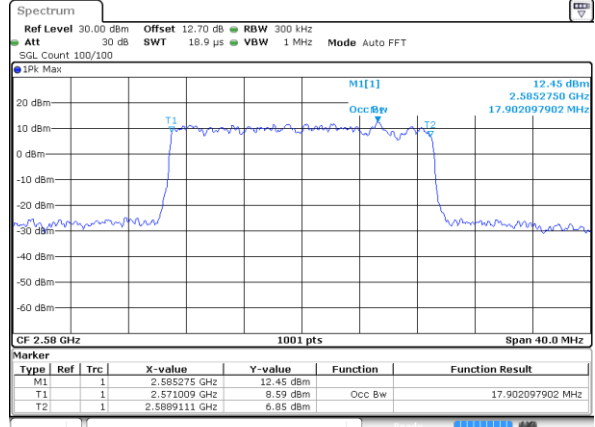
LTE Band 38

Lowest Channel / 15MHz / 64QAM



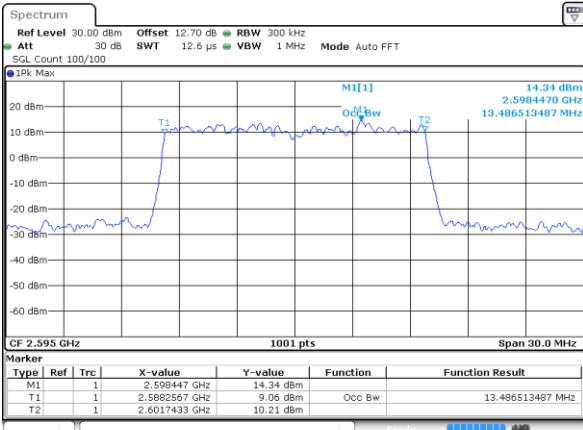
Date: 21 MAY 2020 07:49:33

Lowest Channel / 20MHz / 64QAM



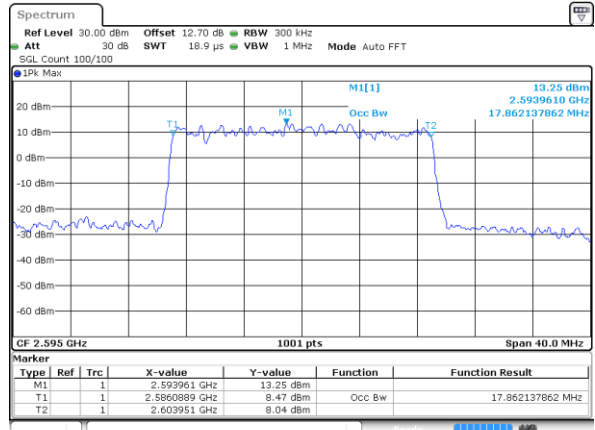
Date: 21 MAY 2020 07:50:46

Middle Channel / 15MHz / 64QAM



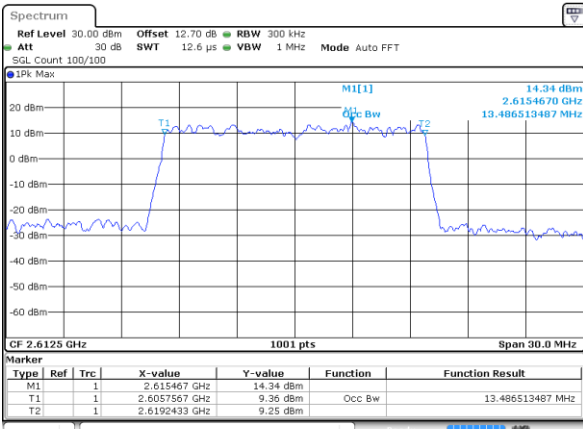
Date: 21 MAY 2020 07:49:57

Middle Channel / 20MHz / 64QAM



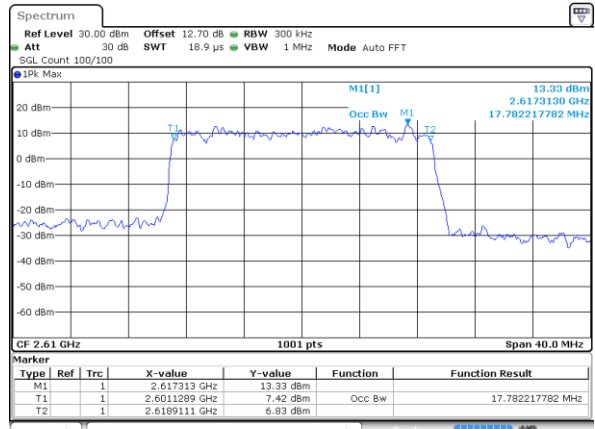
Date: 21 MAY 2020 07:51:10

Highest Channel / 15MHz / 64QAM



Date: 21 MAY 2020 07:50:20

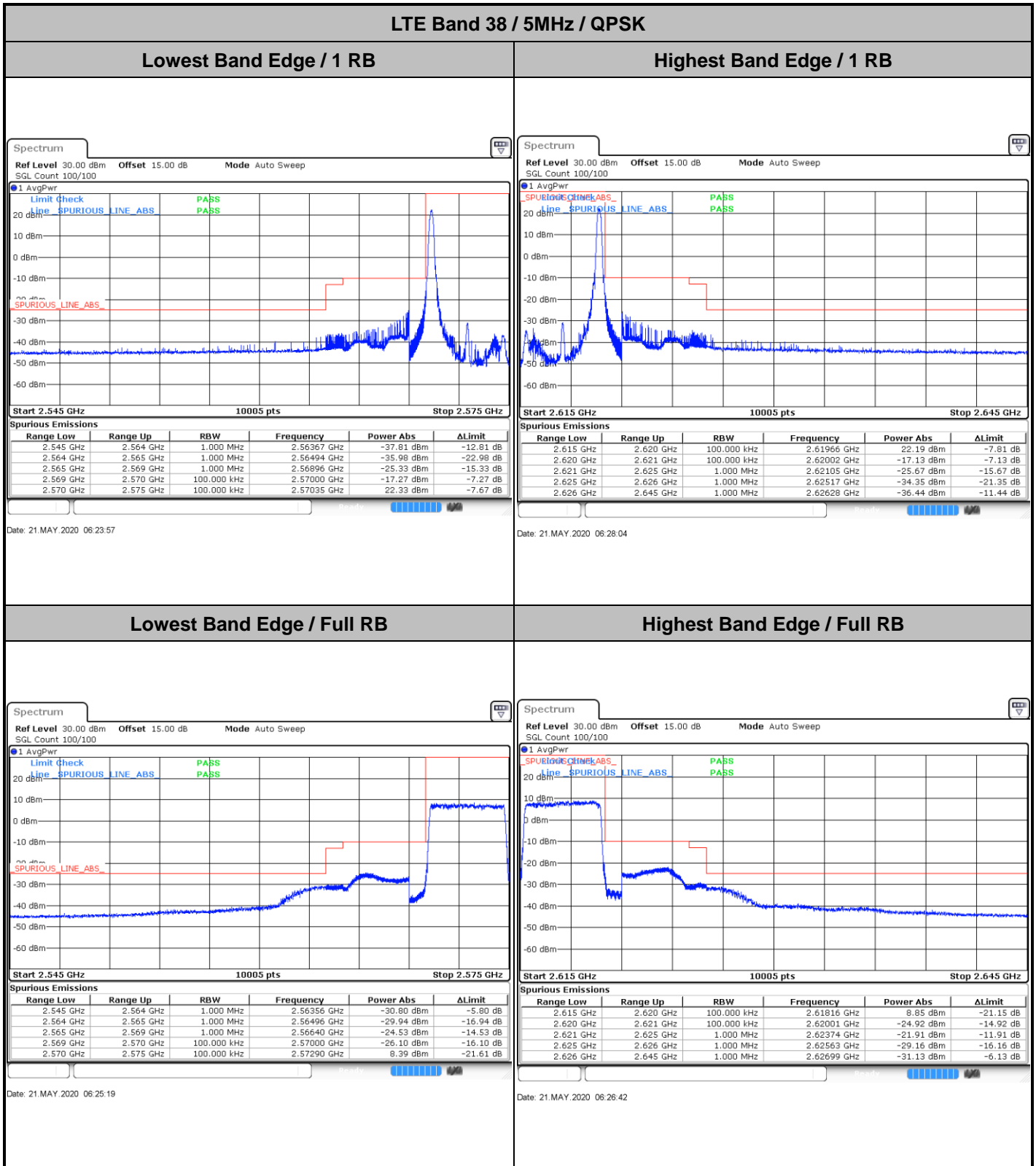
Highest Channel / 20MHz / 64QAM



Date: 21 MAY 2020 07:51:33



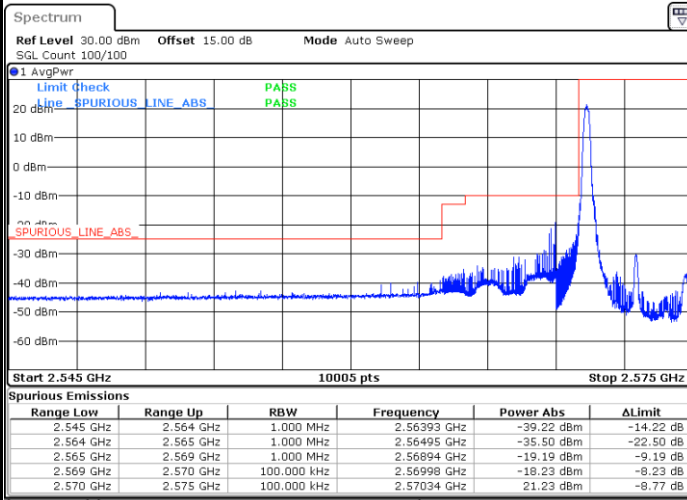
Conducted Band Edge





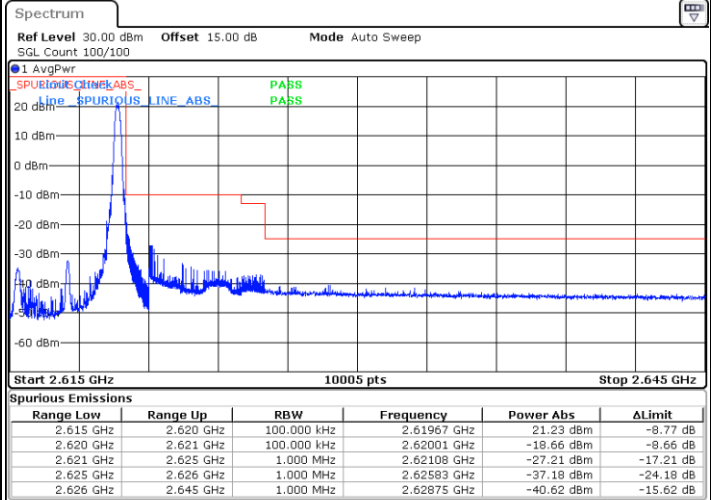
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



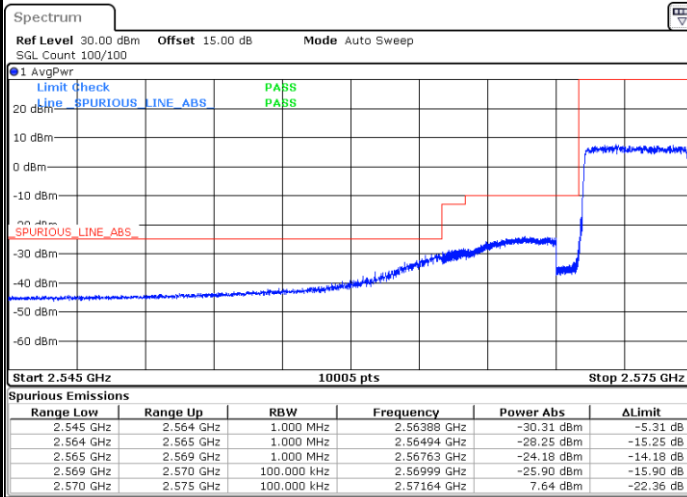
Date: 21.MAY.2020 06:24:38

Highest Band Edge / 1 RB



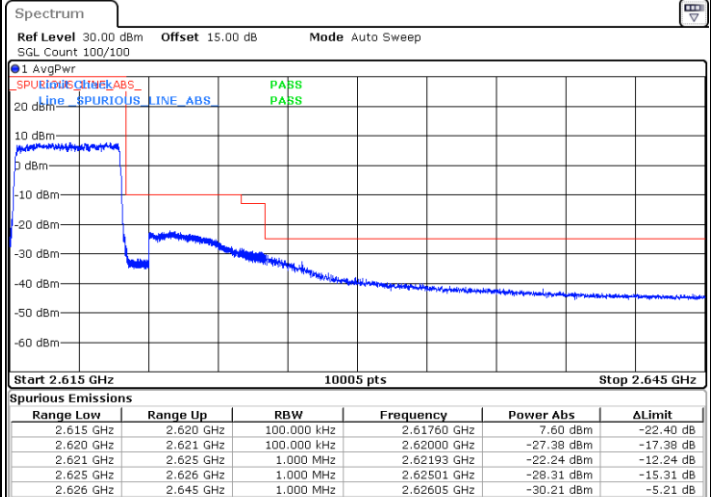
Date: 21.MAY.2020 06:28:46

Lowest Band Edge / Full RB



Date: 21.MAY.2020 06:26:00

Highest Band Edge / Full RB

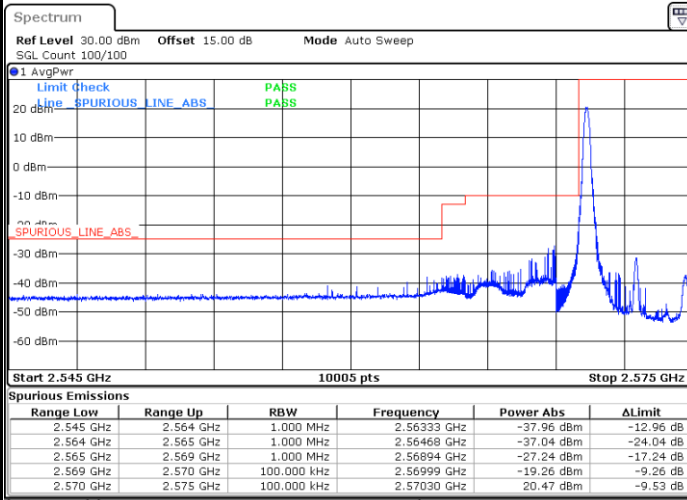


Date: 21.MAY.2020 06:27:23



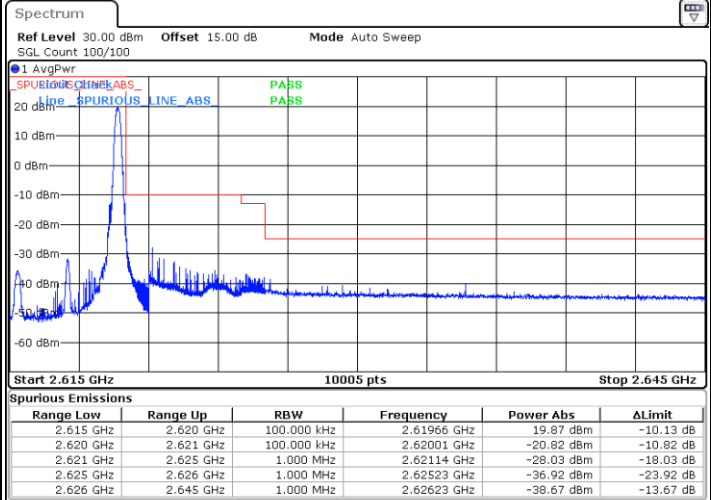
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



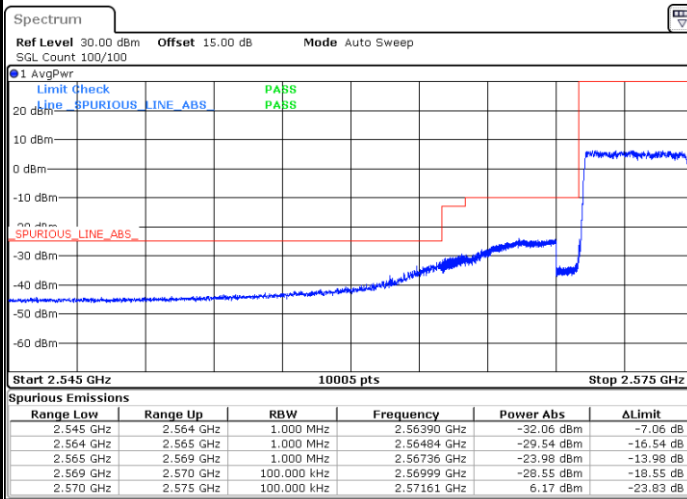
Date: 21.MAY.2020 06:29:27

Highest Band Edge / 1 RB



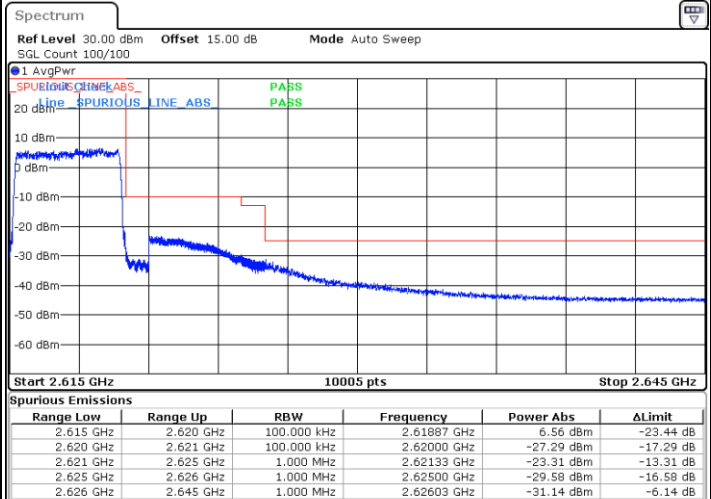
Date: 21.MAY.2020 06:31:31

Lowest Band Edge / Full RB



Date: 21.MAY.2020 06:30:09

Highest Band Edge / Full RB

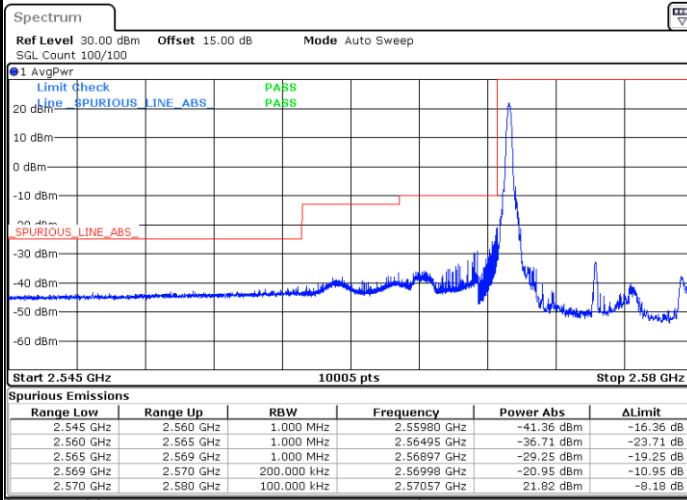


Date: 21.MAY.2020 06:30:50



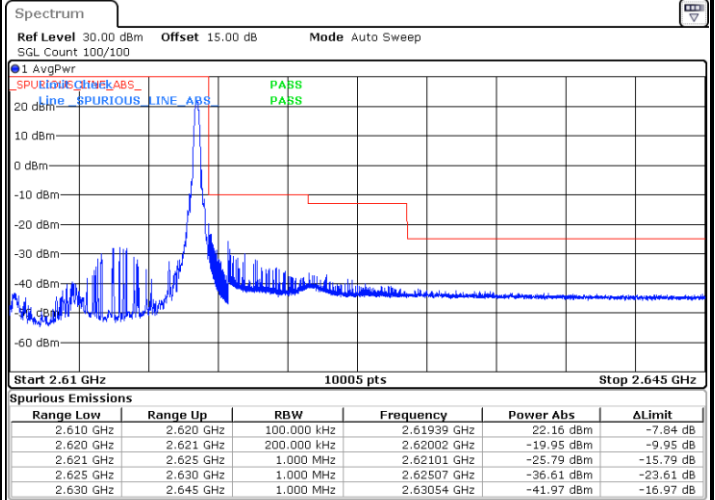
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



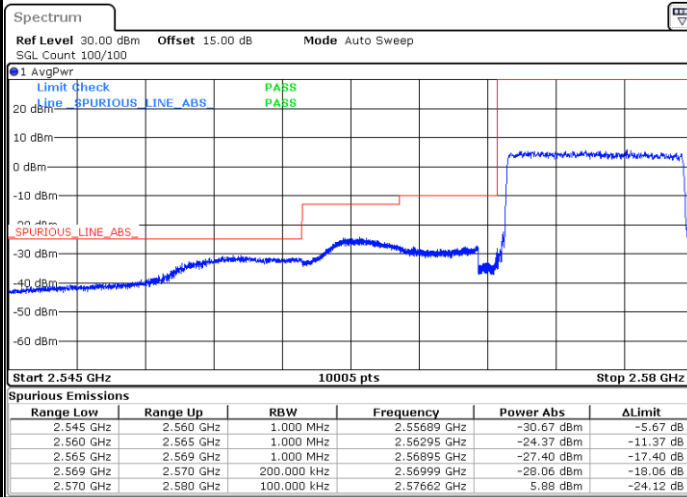
Date: 21.MAY.2020 07:34:42

Highest Band Edge / 1 RB



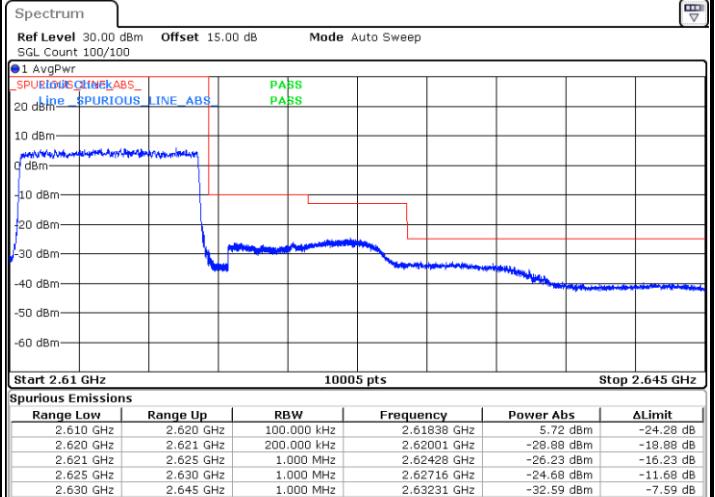
Date: 21.MAY.2020 07:36:19

Lowest Band Edge / Full RB



Date: 21.MAY.2020 07:35:10

Highest Band Edge / Full RB



Date: 21.MAY.2020 07:38:19