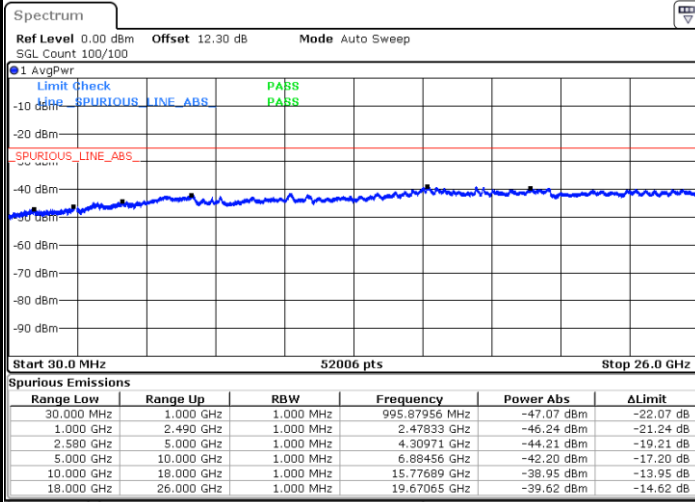




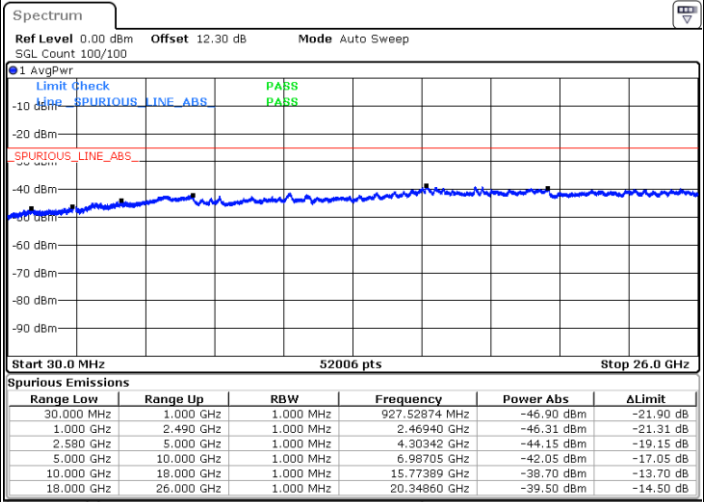
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 19_SEP.2020 06:50:24

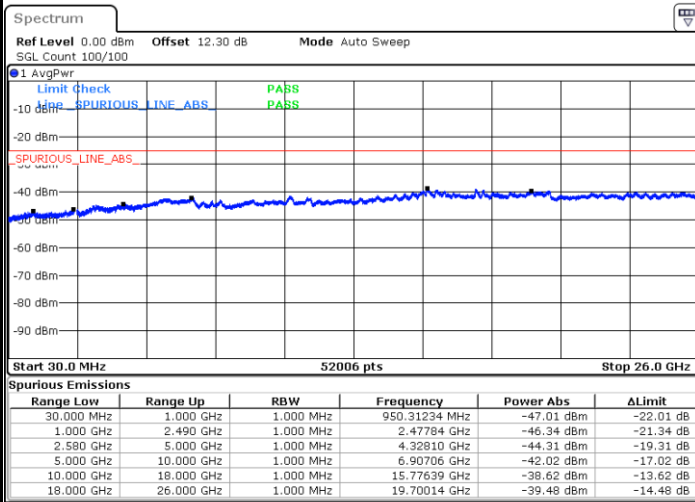
Highest Channel / 16QAM



Date: 19_SEP.2020 06:51:13

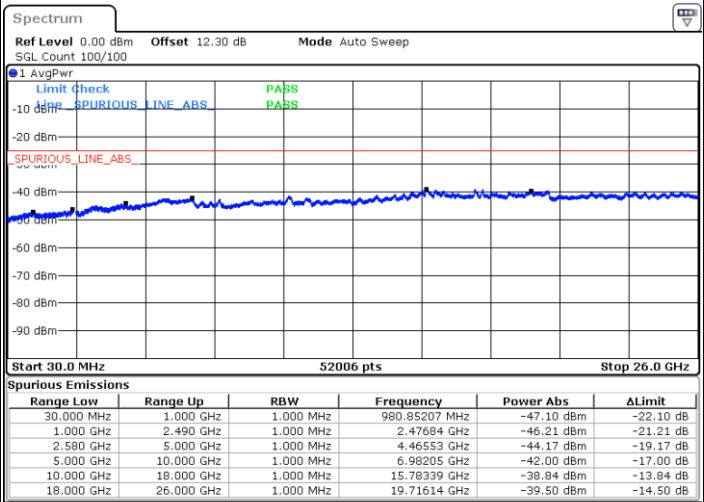
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 19_SEP.2020 06:52:03

Lowest Channel / 16QAM



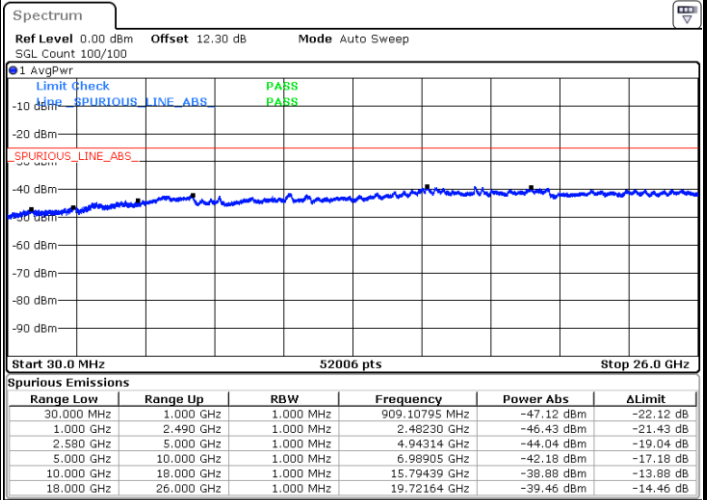
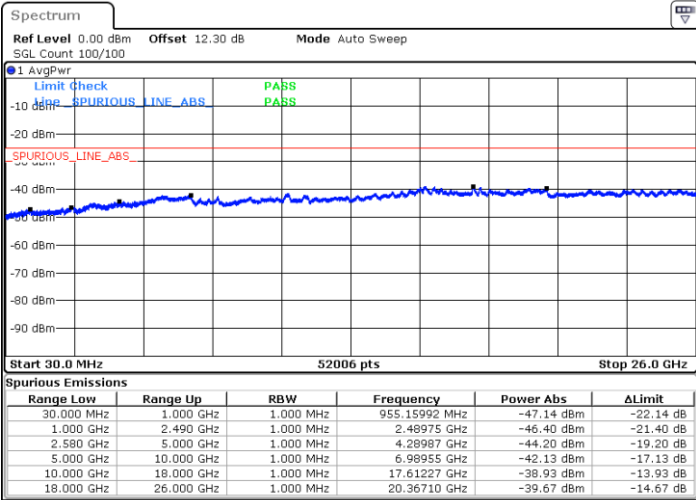
Date: 19_SEP.2020 06:52:53



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

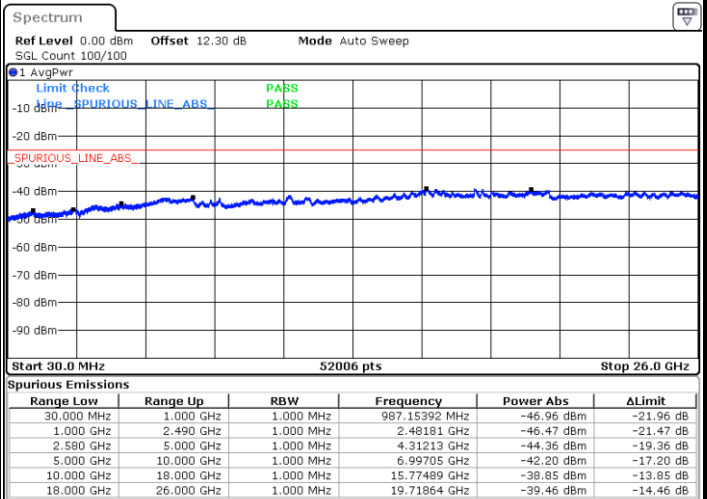
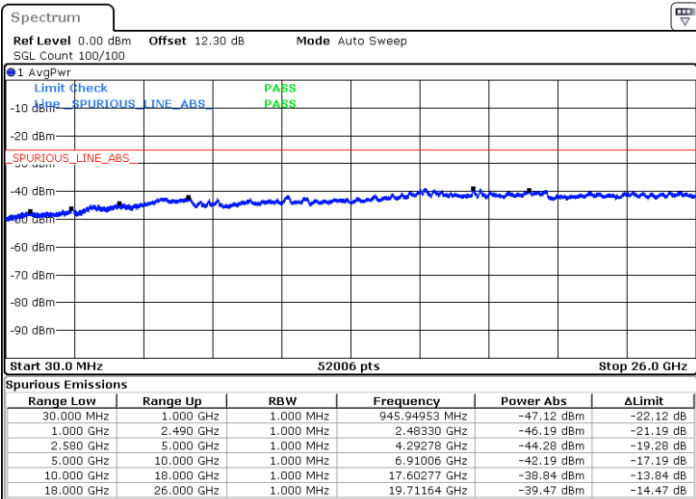


Date: 19.SEP.2020 06:53:42

Date: 19.SEP.2020 06:54:31

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.SEP.2020 06:55:21

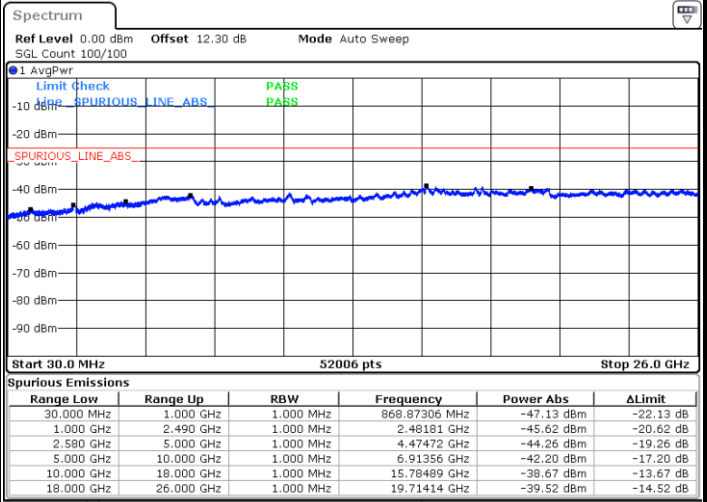
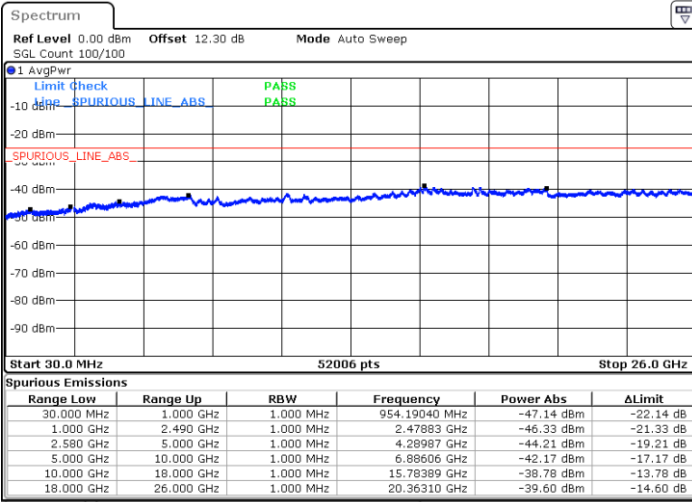
Date: 19.SEP.2020 06:56:10



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

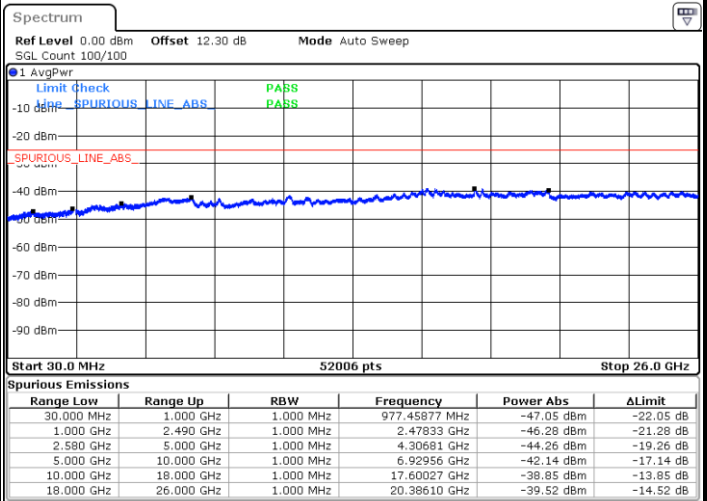
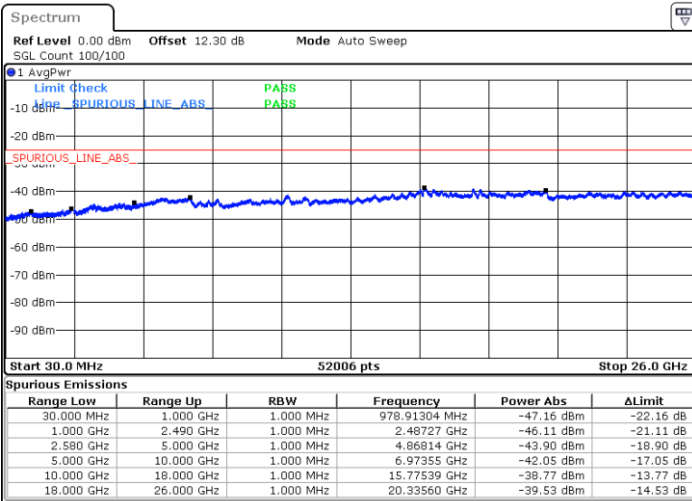


Date: 19.SEP.2020 06:57:01

Date: 19.SEP.2020 06:57:50

Middle Channel / QPSK

Middle Channel / 16QAM



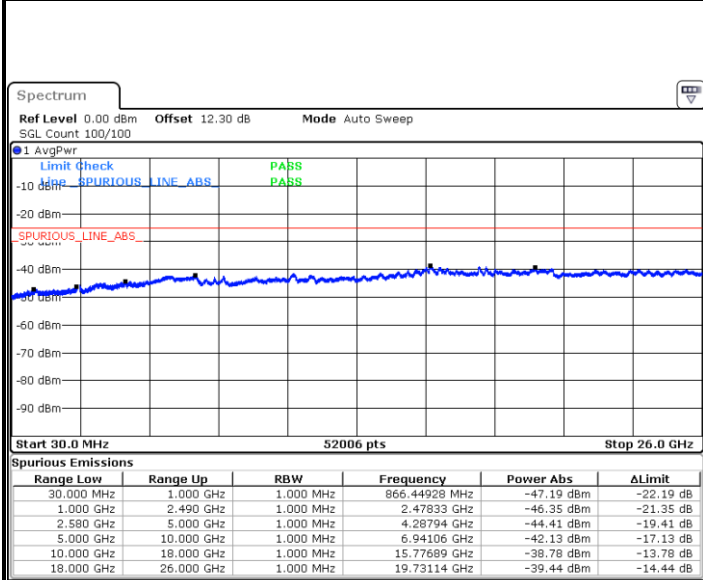
Date: 19.SEP.2020 06:58:40

Date: 19.SEP.2020 06:59:29



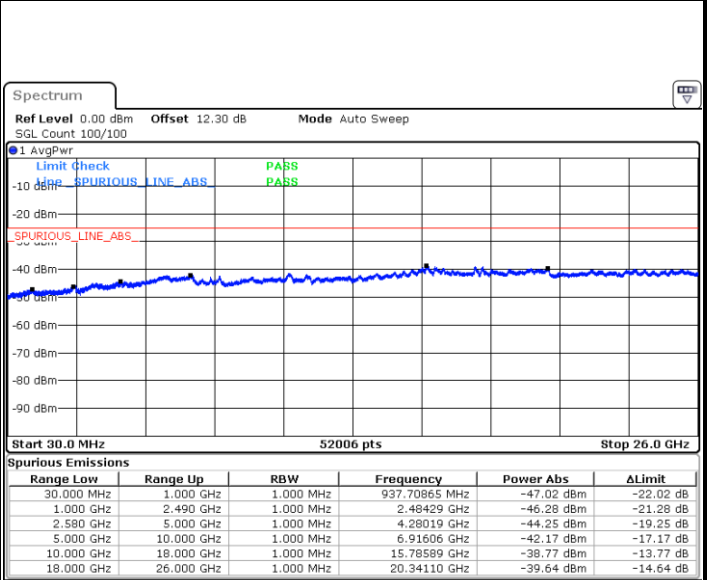
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 19_SEP.2020 07:00:18

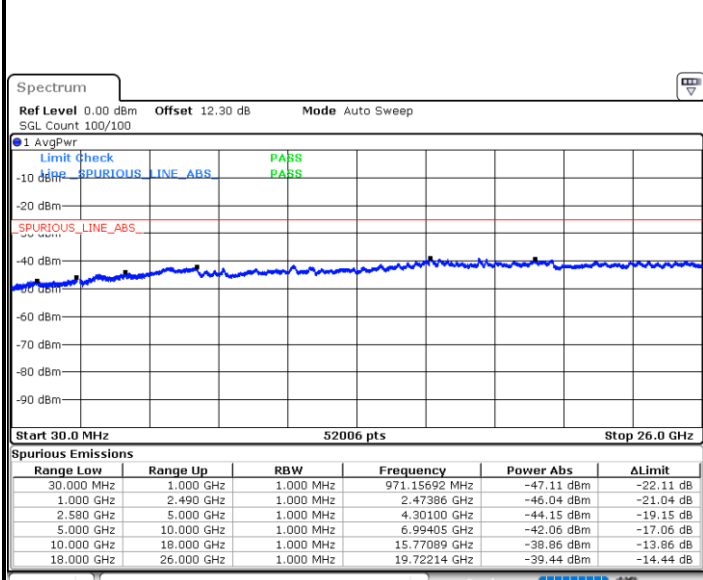
Highest Channel / 16QAM



Date: 19_SEP.2020 07:01:08

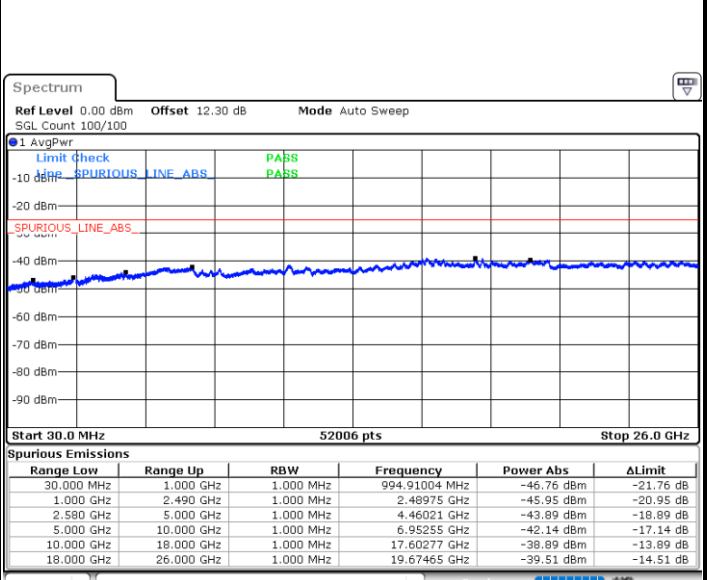
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 19_SEP.2020 07:01:58

Lowest Channel / 16QAM



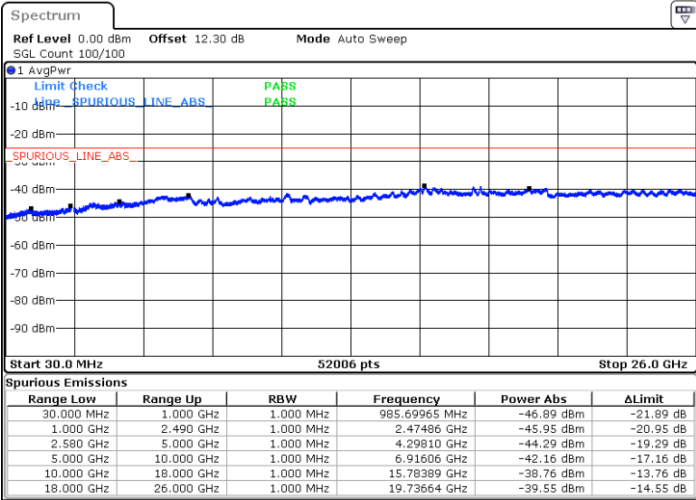
Date: 19_SEP.2020 07:02:48



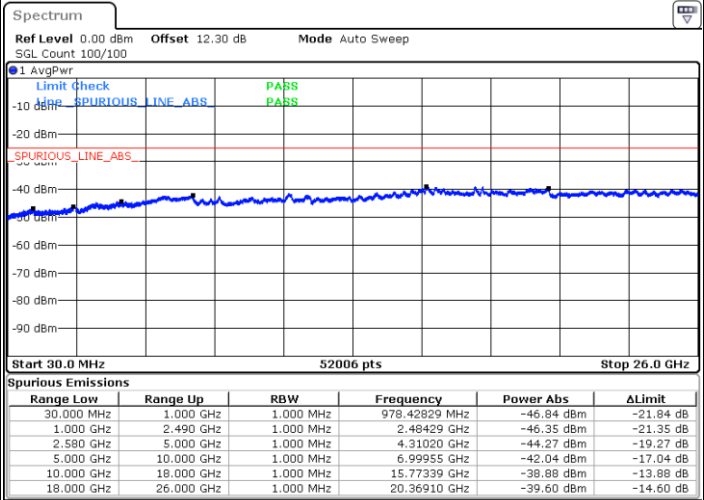
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



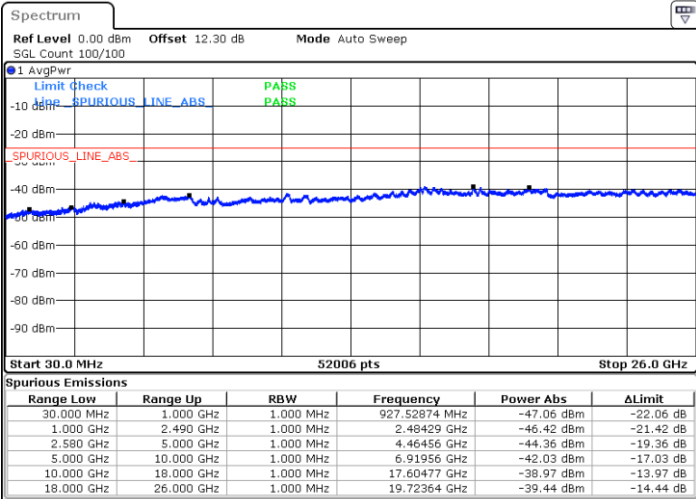
Date: 19.SEP.2020 07:03:37



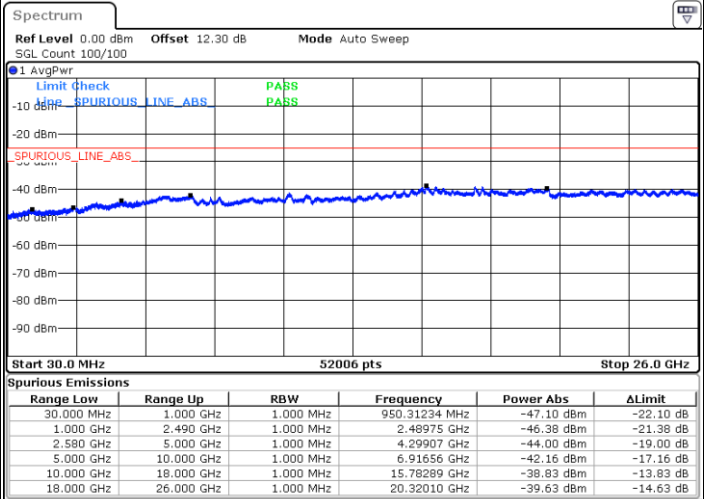
Date: 19.SEP.2020 07:04:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.SEP.2020 07:05:16



Date: 19.SEP.2020 07:06:06



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0041	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0044	

Note:

- 1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.2 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

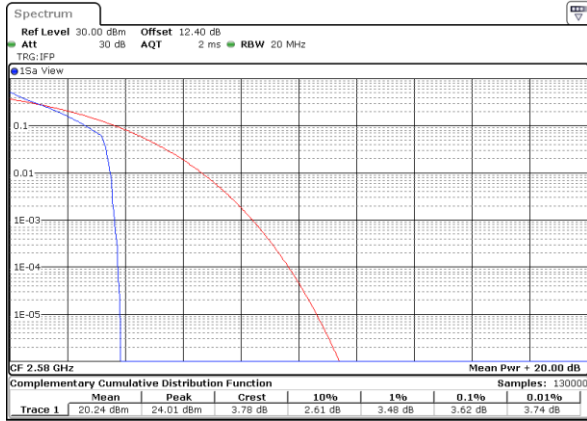
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.62	4.58	5.39	5.86	PASS
Middle CH	3.59	4.52	5.39	5.86	
Highest CH	3.51	4.43	5.04	5.77	



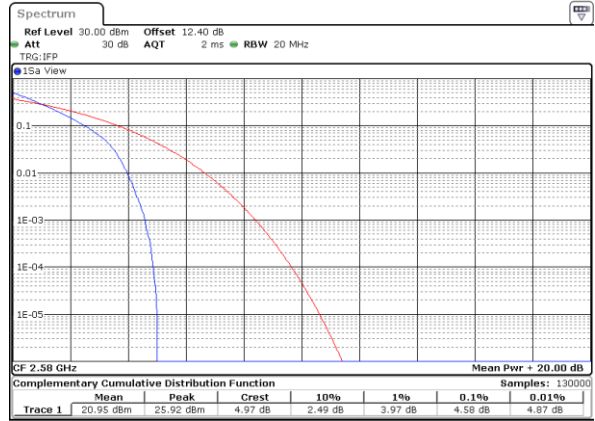
LTE Band 38 / 20MHz / QPSK

Lowest Channel / 1RB



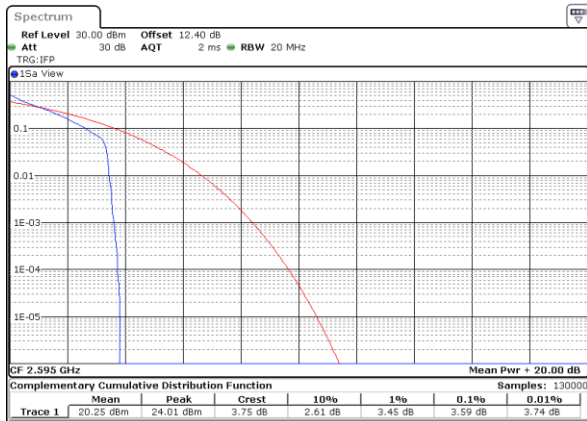
Date: 19_SEP.2020 05:50:35

Lowest Channel / Full RB



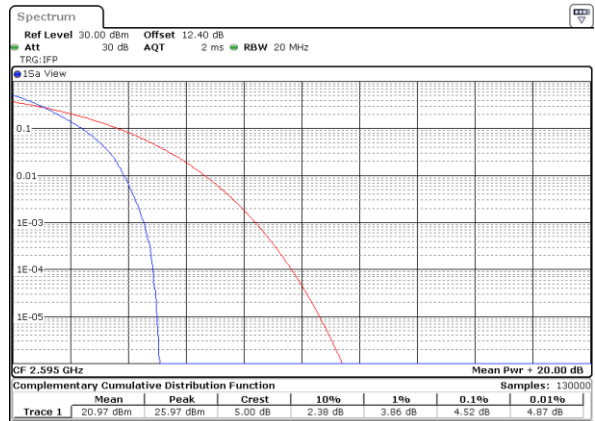
Date: 19_SEP.2020 05:50:53

Middle Channel / 1RB



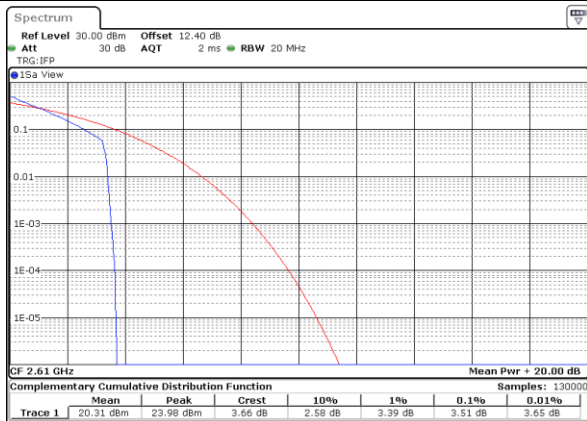
Date: 19_SEP.2020 05:51:14

Middle Channel / Full RB



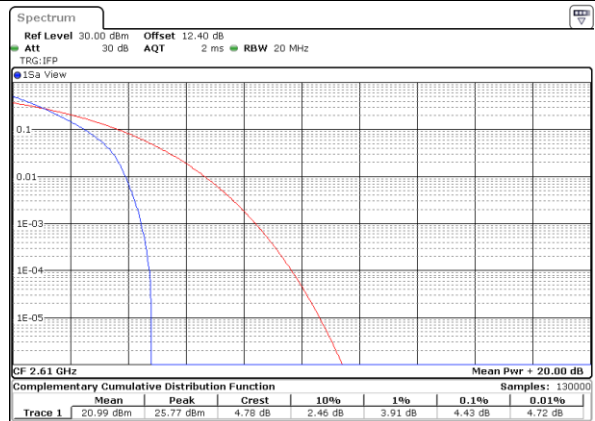
Date: 19_SEP.2020 05:51:32

Highest Channel / 1RB



Date: 19_SEP.2020 05:51:49

Highest Channel / Full RB

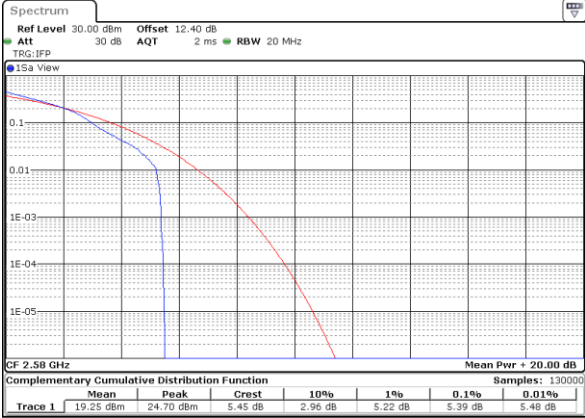


Date: 19_SEP.2020 05:52:06



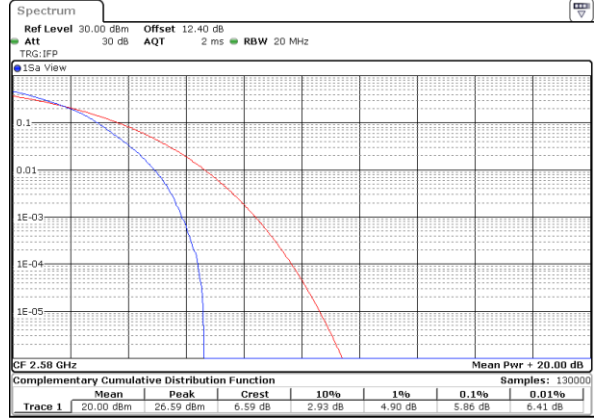
LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



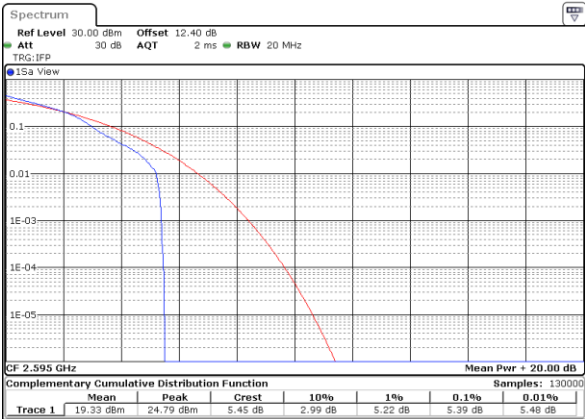
Date: 19_SEP.2020 05:48:13

Lowest Channel / Full RB



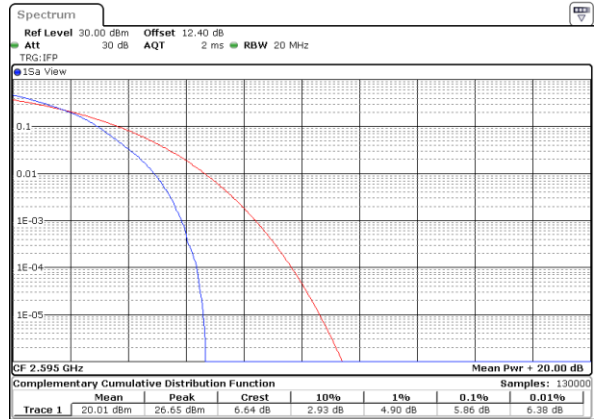
Date: 19_SEP.2020 05:48:51

Middle Channel / 1RB



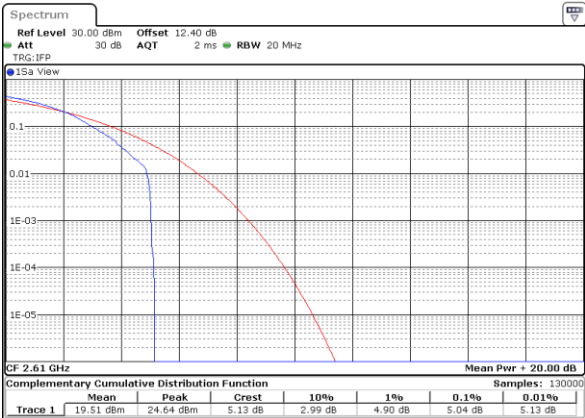
Date: 19_SEP.2020 05:53:14

Middle Channel / Full RB



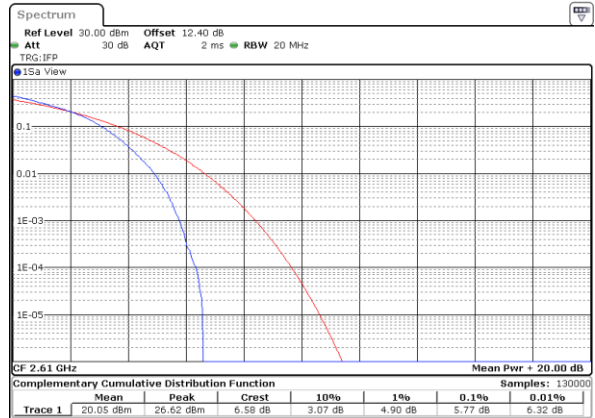
Date: 19_SEP.2020 05:49:27

Highest Channel / 1RB



Date: 19_SEP.2020 05:49:47

Highest Channel / Full RB



Date: 19_SEP.2020 05:50:07



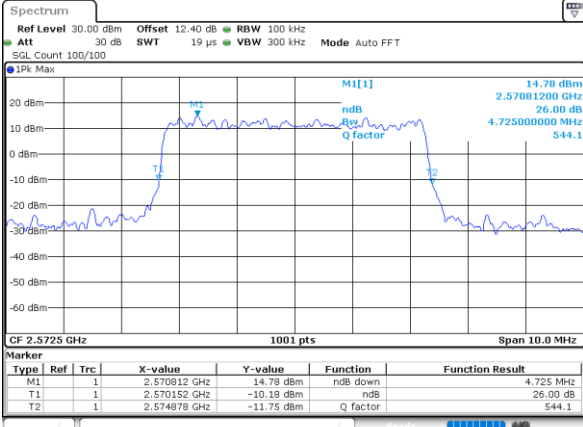
26dB Bandwidth

Mode	LTE Band 38 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.73	4.89	9.65	9.65	14.36	14.36	18.70	18.66
Middle CH	-	-	-	-	4.89	4.87	9.63	9.77	14.33	14.27	18.90	19.10
Highest CH	-	-	-	-	4.93	4.90	9.83	9.73	14.18	14.21	18.82	19.26



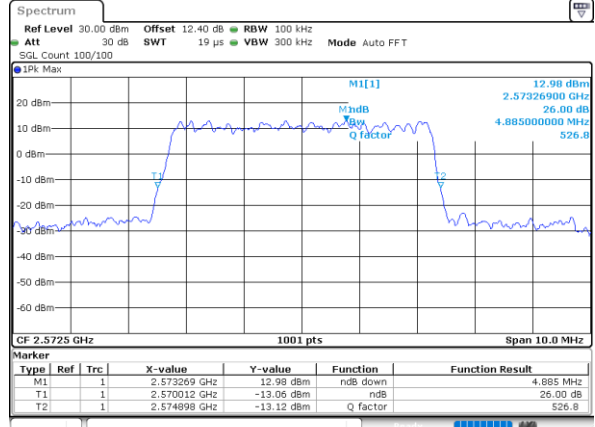
LTE Band 38

Lowest Channel / 5MHz / QPSK



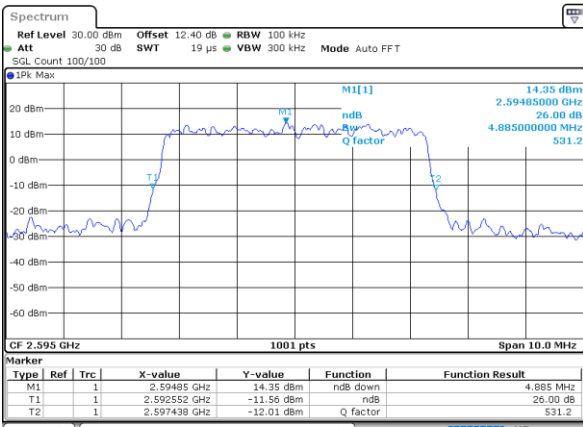
Date: 19_SEP.2020 05:136:17

Lowest Channel / 5MHz / 16QAM



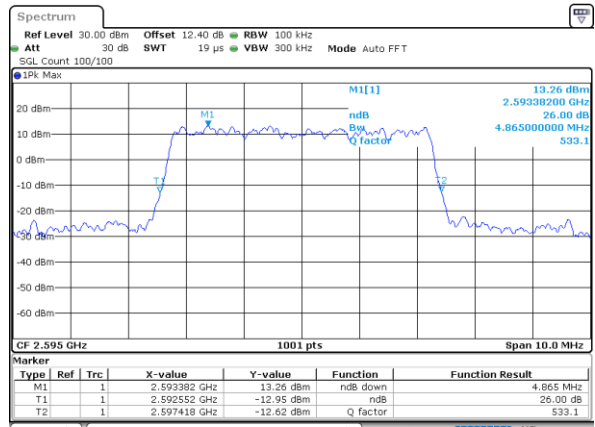
Date: 19_SEP.2020 05:136:149

Middle Channel / 5MHz / QPSK



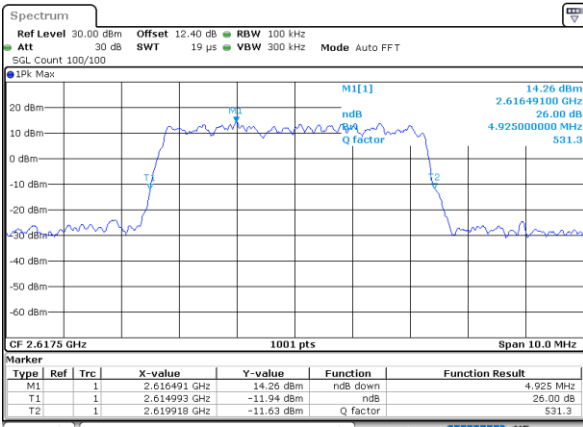
Date: 19_SEP.2020 05:137:23

Middle Channel / 5MHz / 16QAM



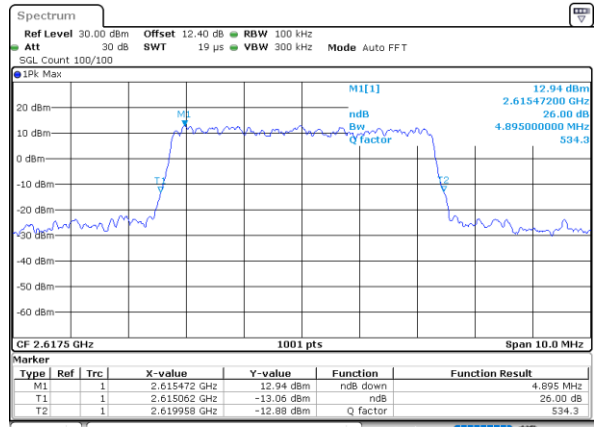
Date: 19_SEP.2020 05:137:134

Highest Channel / 5MHz / QPSK



Date: 19_SEP.2020 05:138:10

Highest Channel / 5MHz / 16QAM

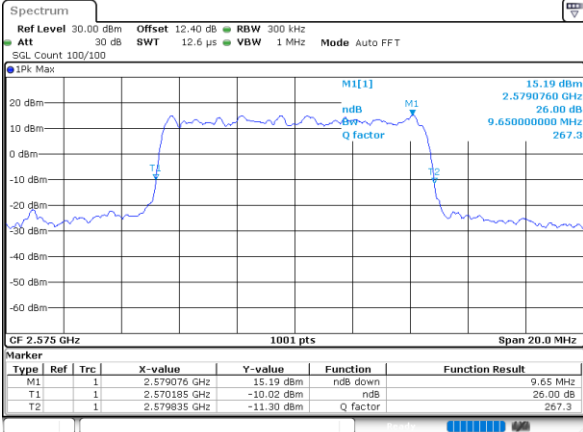


Date: 19_SEP.2020 05:138:122



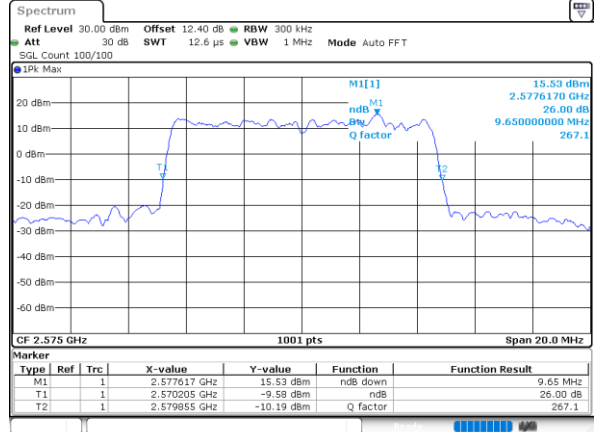
LTE Band 38

Lowest Channel / 10MHz / QPSK



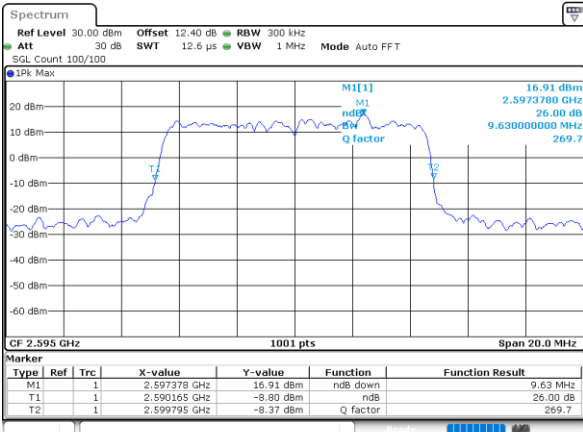
Date: 19_SEP.2020 05:38:58

Lowest Channel / 10MHz / 16QAM



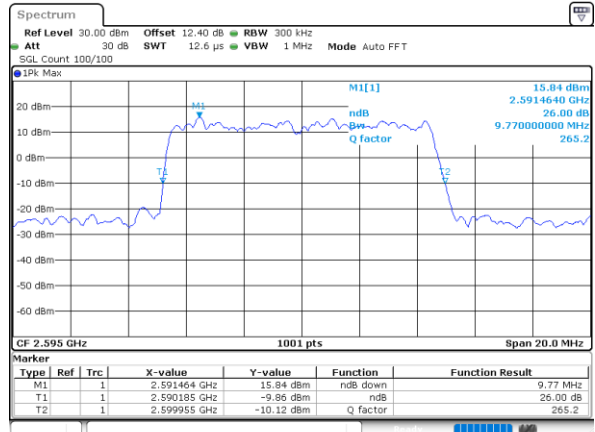
Date: 19_SEP.2020 05:39:10

Middle Channel / 10MHz / QPSK



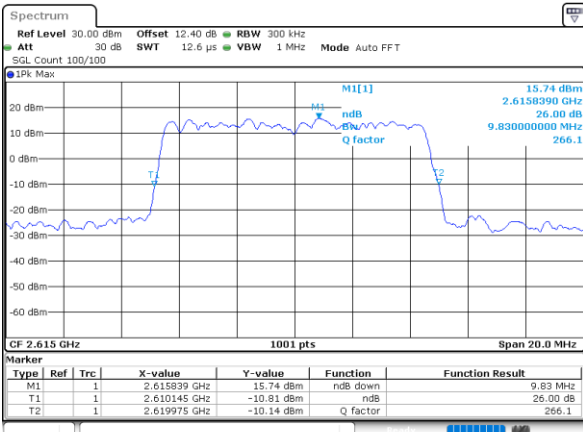
Date: 19_SEP.2020 05:39:44

Middle Channel / 10MHz / 16QAM



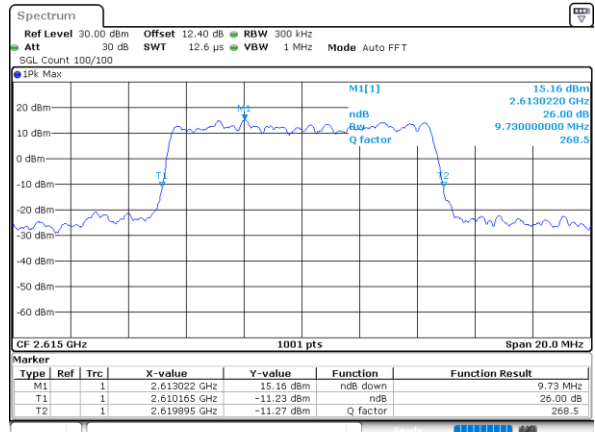
Date: 19_SEP.2020 05:39:56

Highest Channel / 10MHz / QPSK



Date: 19_SEP.2020 05:40:33

Highest Channel / 10MHz / 16QAM

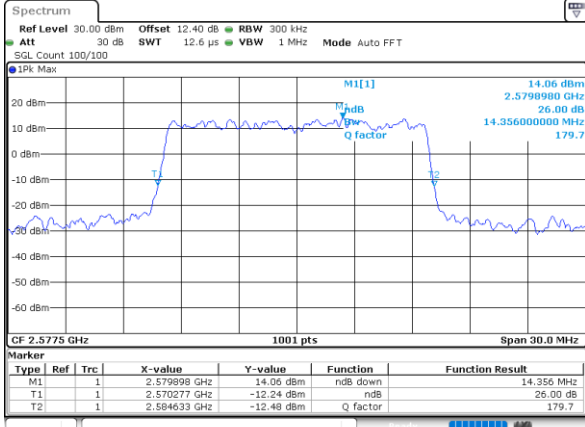


Date: 19_SEP.2020 05:40:43



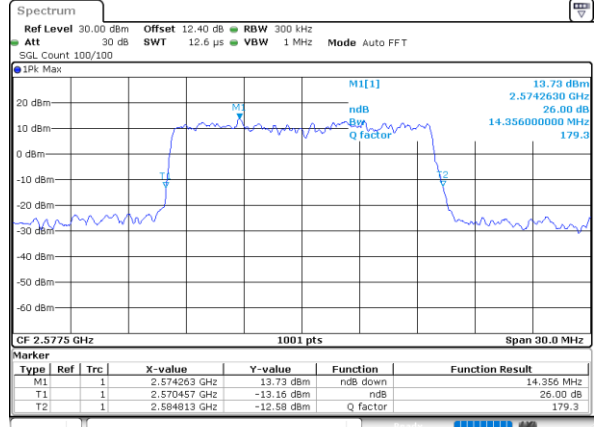
LTE Band 38

Lowest Channel / 15MHz / QPSK



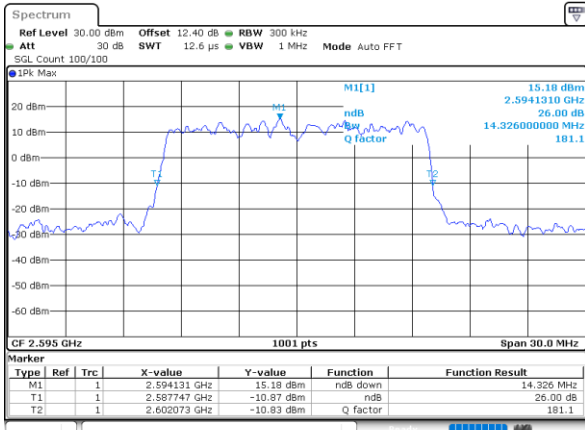
Date: 19_SEP.2020 05:41:46

Lowest Channel / 15MHz / 16QAM



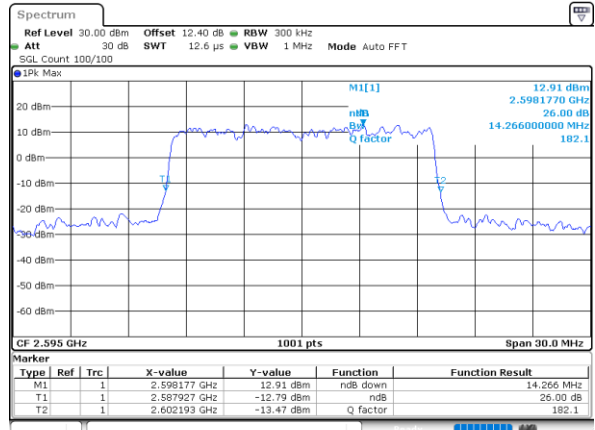
Date: 19_SEP.2020 05:41:57

Middle Channel / 15MHz / QPSK



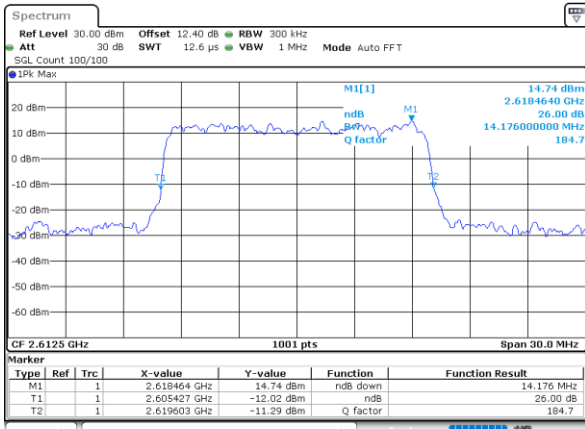
Date: 19_SEP.2020 05:42:32

Middle Channel / 15MHz / 16QAM



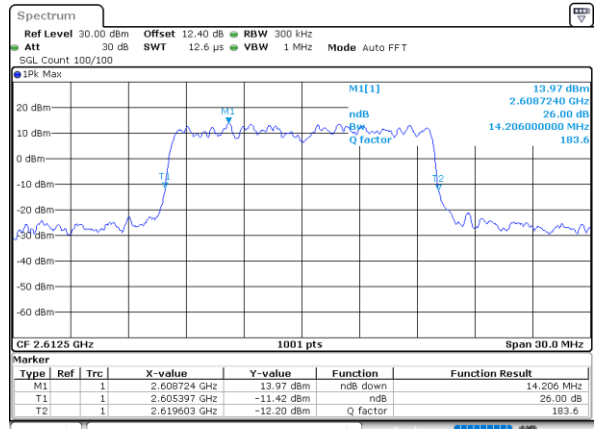
Date: 19_SEP.2020 05:42:43

Highest Channel / 15MHz / QPSK



Date: 19_SEP.2020 05:43:48

Highest Channel / 15MHz / 16QAM

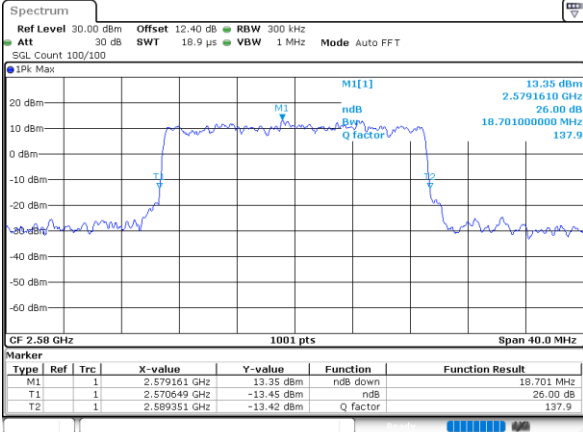


Date: 19_SEP.2020 05:44:32



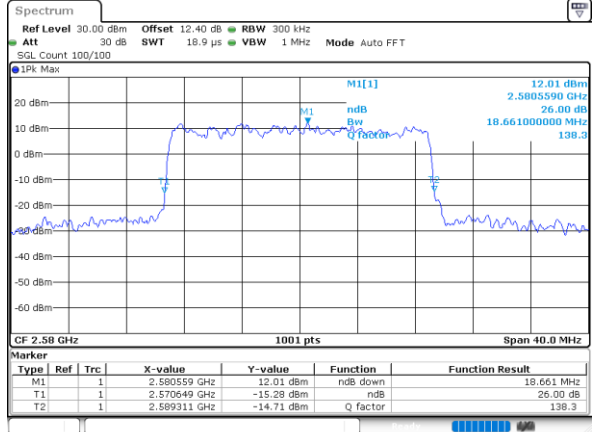
LTE Band 38

Lowest Channel / 20MHz / QPSK



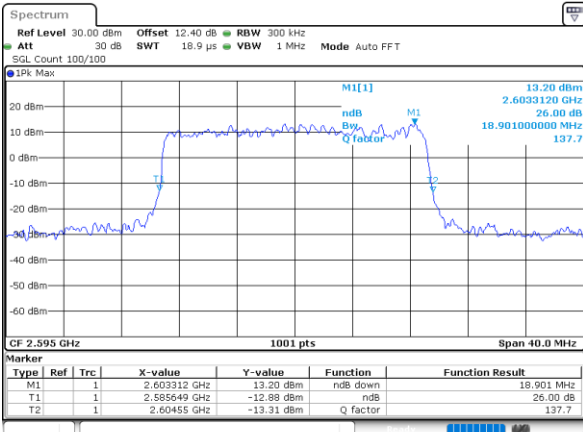
Date: 19_SEP.2020 05:45:08

Lowest Channel / 20MHz / 16QAM



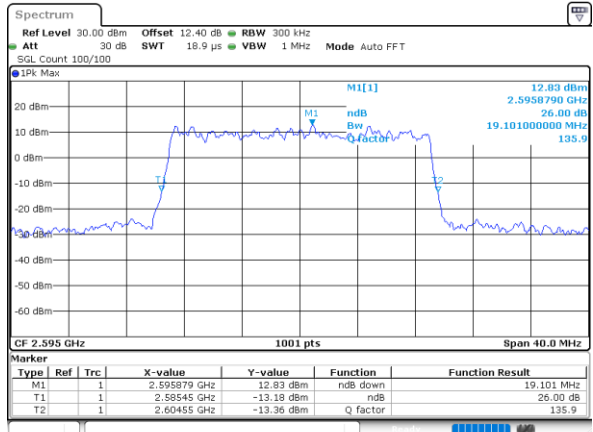
Date: 19_SEP.2020 05:45:10

Middle Channel / 20MHz / QPSK



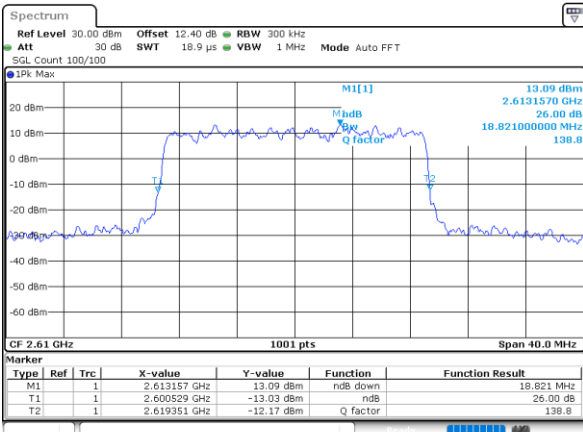
Date: 19_SEP.2020 05:45:04

Middle Channel / 20MHz / 16QAM



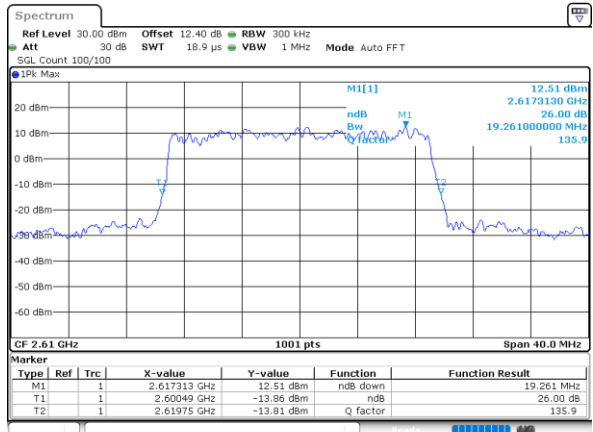
Date: 19_SEP.2020 05:46:05

Highest Channel / 20MHz / QPSK



Date: 19_SEP.2020 05:46:41

Highest Channel / 20MHz / 16QAM



Date: 19_SEP.2020 05:46:53



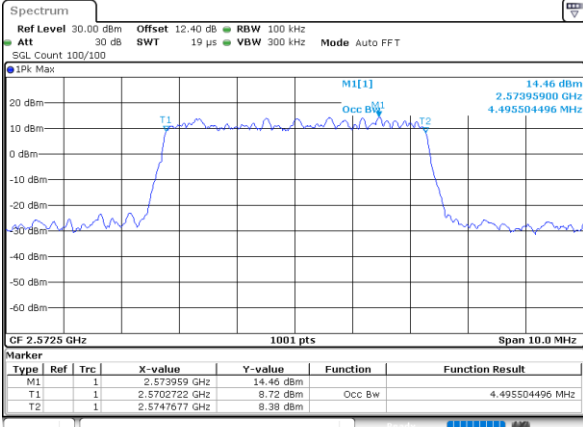
Occupied Bandwidth

Mode	LTE Band 38 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.48	8.99	9.09	13.52	13.37	17.86	17.86
Middle CH	-	-	-	-	4.50	4.49	9.05	8.97	13.43	13.40	17.86	17.82
Highest CH	-	-	-	-	4.51	4.50	9.01	9.03	13.40	13.46	17.90	17.94



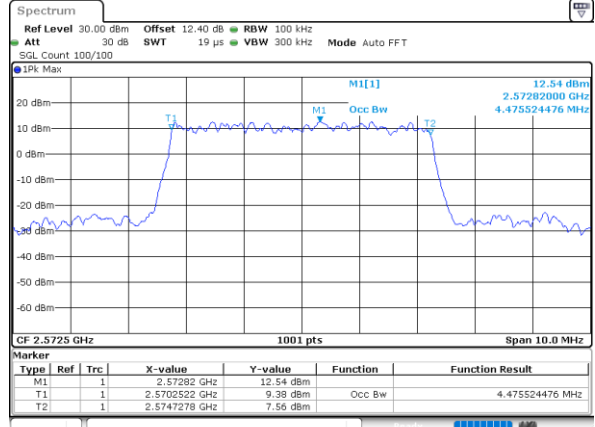
LTE Band 38

Lowest Channel / 5MHz / QPSK



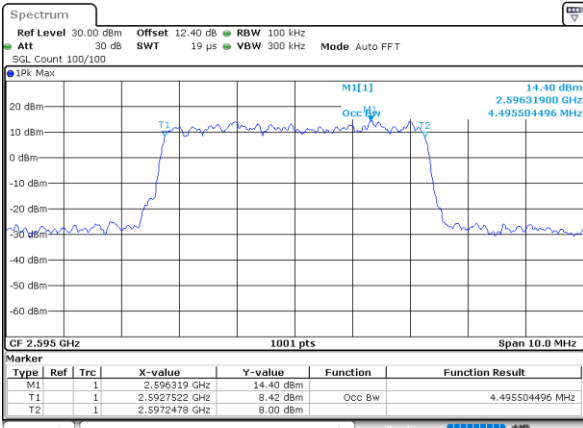
Date: 19_SEP.2020 05:13:13

Lowest Channel / 5MHz / 16QAM



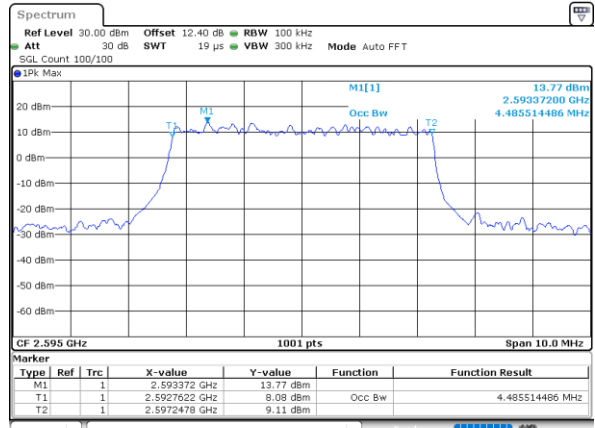
Date: 19_SEP.2020 05:13:125

Middle Channel / 5MHz / QPSK



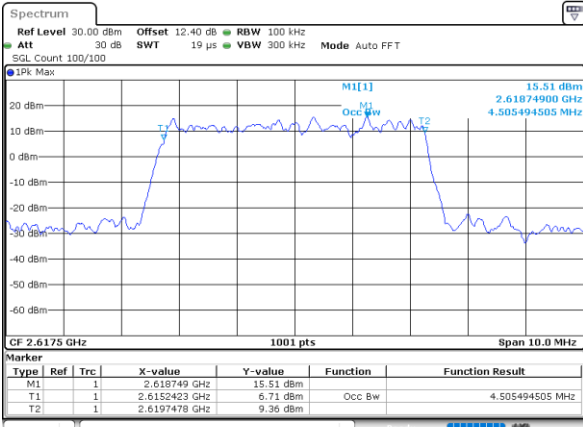
Date: 19_SEP.2020 05:13:01

Middle Channel / 5MHz / 16QAM



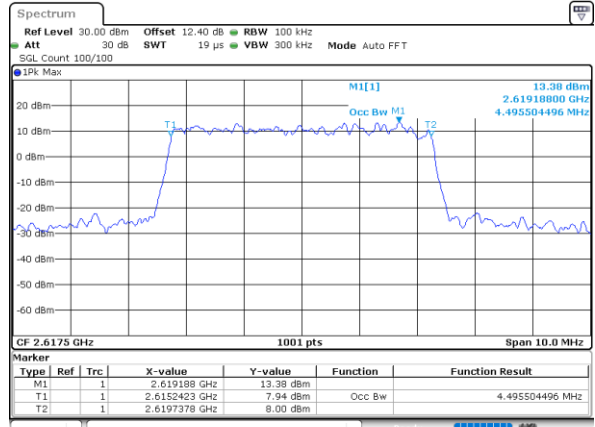
Date: 19_SEP.2020 05:13:7112

Highest Channel / 5MHz / QPSK



Date: 19_SEP.2020 05:13:7146

Highest Channel / 5MHz / 16QAM

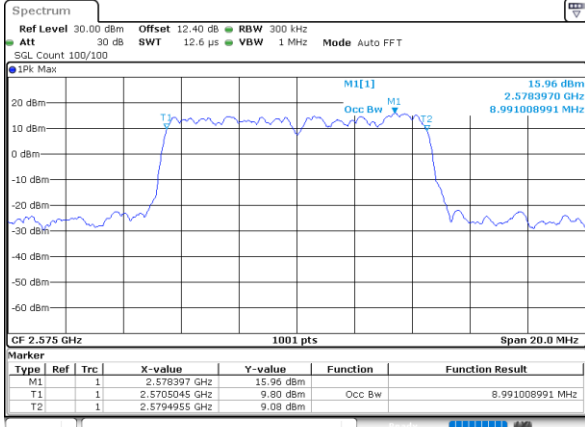


Date: 19_SEP.2020 05:13:7158



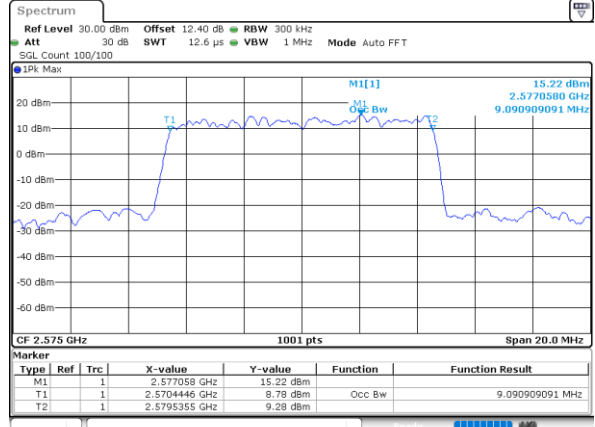
LTE Band 38

Lowest Channel / 10MHz / QPSK



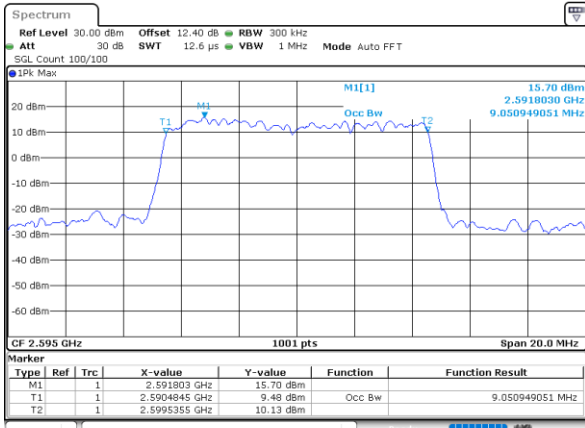
Date: 19_SEP.2020 05:38:34

Lowest Channel / 10MHz / 16QAM



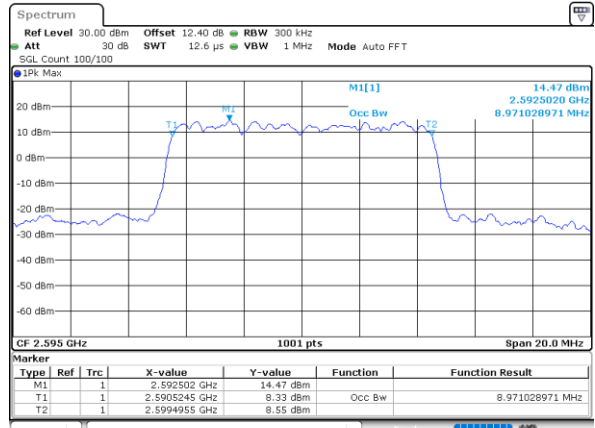
Date: 19_SEP.2020 05:38:46

Middle Channel / 10MHz / QPSK



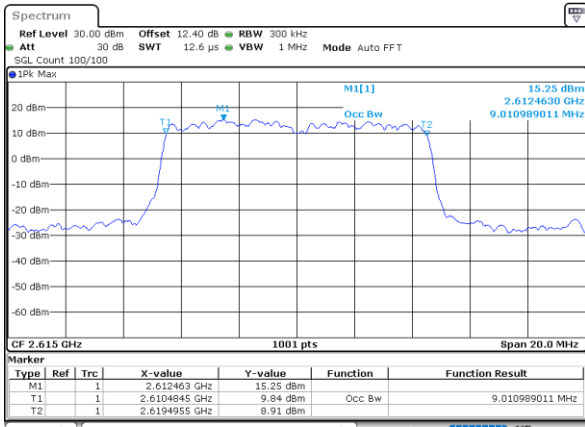
Date: 19_SEP.2020 05:39:21

Middle Channel / 10MHz / 16QAM



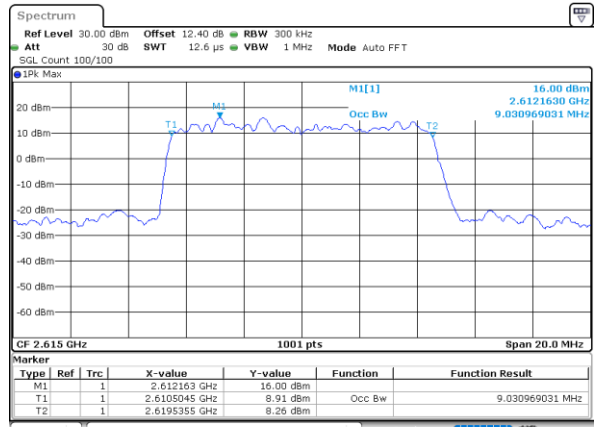
Date: 19_SEP.2020 05:39:33

Highest Channel / 10MHz / QPSK



Date: 19_SEP.2020 05:40:07

Highest Channel / 10MHz / 16QAM

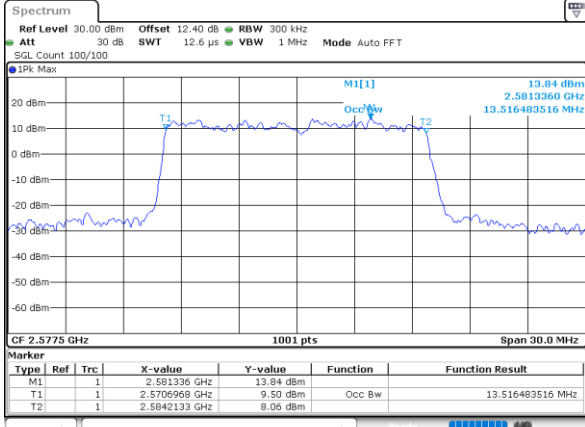


Date: 19_SEP.2020 05:40:19



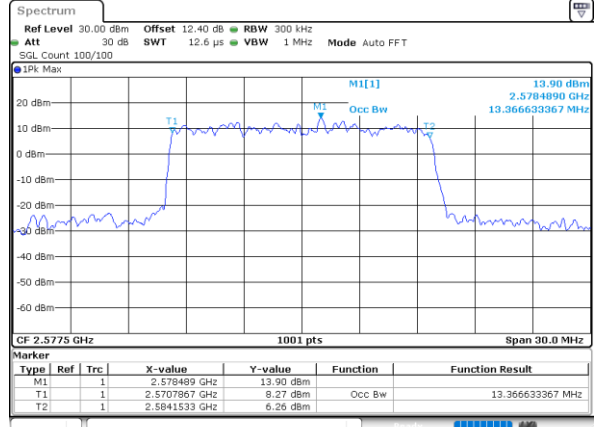
LTE Band 38

Lowest Channel / 15MHz / QPSK



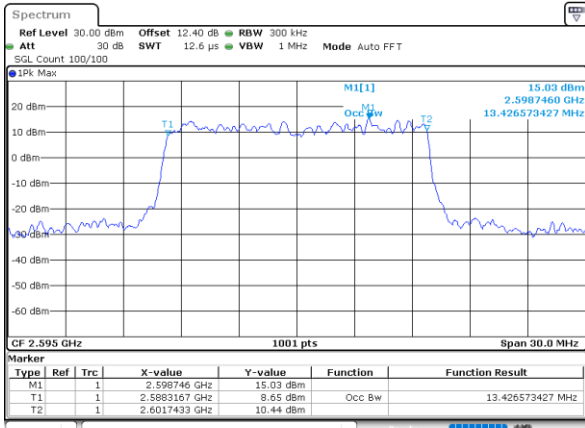
Date: 19_SEP.2020 05:40:55

Lowest Channel / 15MHz / 16QAM



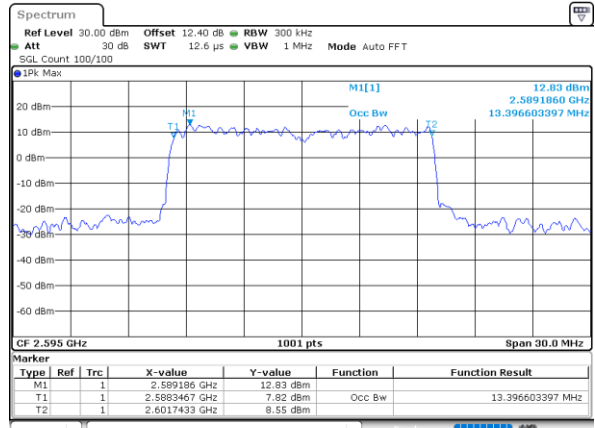
Date: 19_SEP.2020 05:41:07

Middle Channel / 15MHz / QPSK



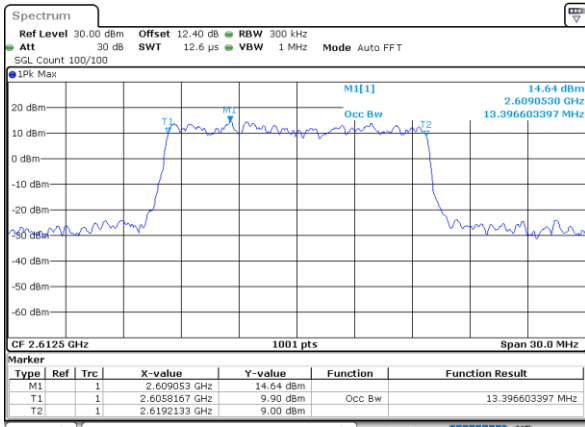
Date: 19_SEP.2020 05:42:09

Middle Channel / 15MHz / 16QAM



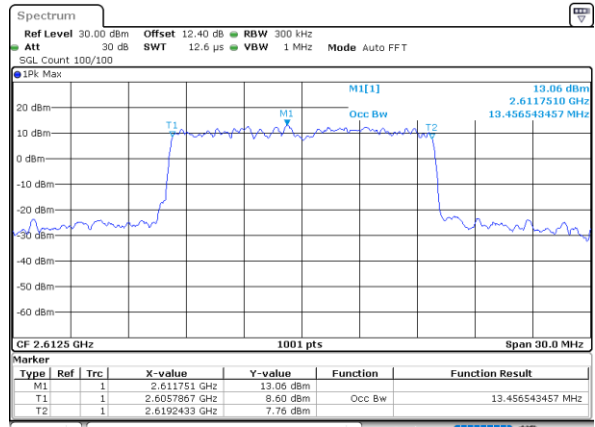
Date: 19_SEP.2020 05:42:10

Highest Channel / 15MHz / QPSK



Date: 19_SEP.2020 05:42:54

Highest Channel / 15MHz / 16QAM

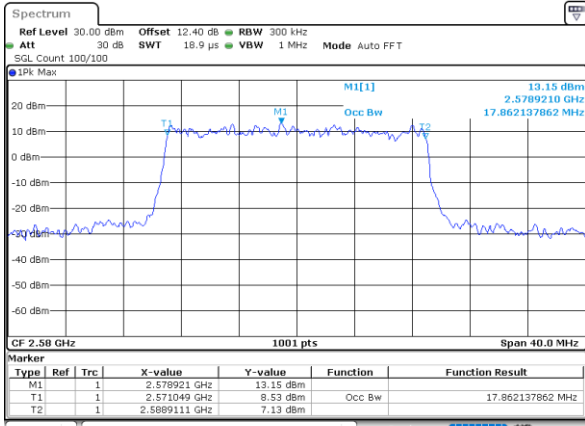


Date: 19_SEP.2020 05:43:06



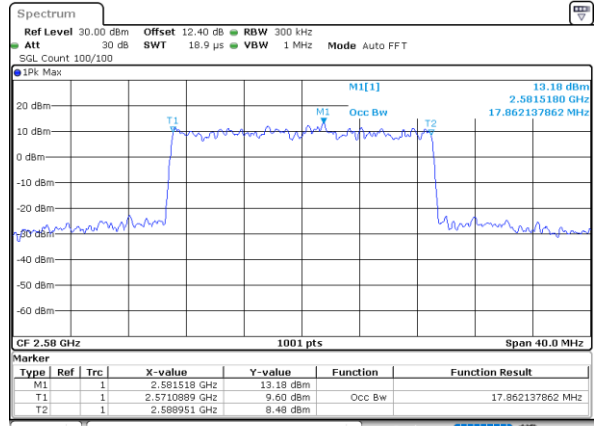
LTE Band 38

Lowest Channel / 20MHz / QPSK



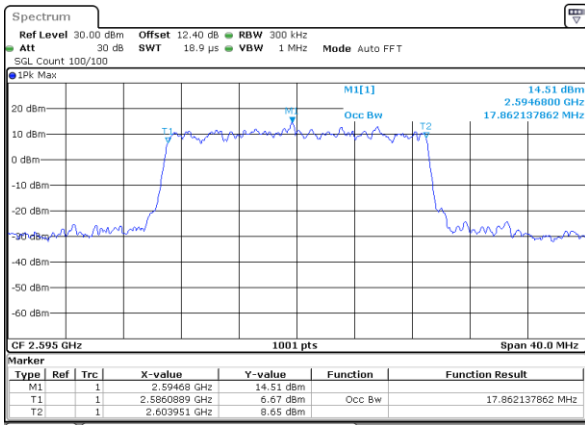
Date: 19_SEP.2020 05:44:44

Lowest Channel / 20MHz / 16QAM



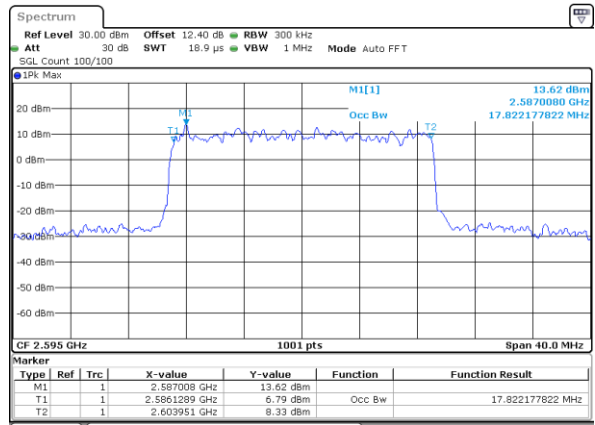
Date: 19_SEP.2020 05:44:56

Middle Channel / 20MHz / QPSK



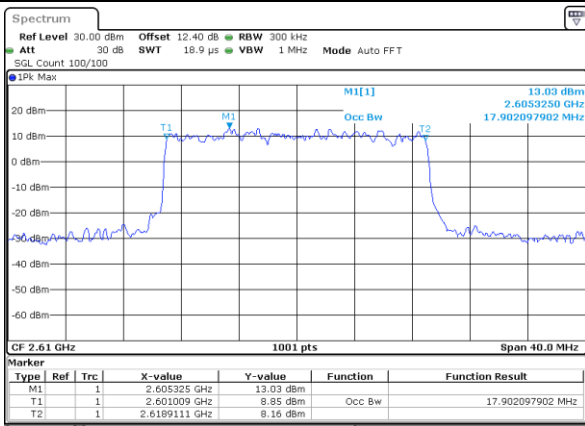
Date: 19_SEP.2020 05:45:32

Middle Channel / 20MHz / 16QAM



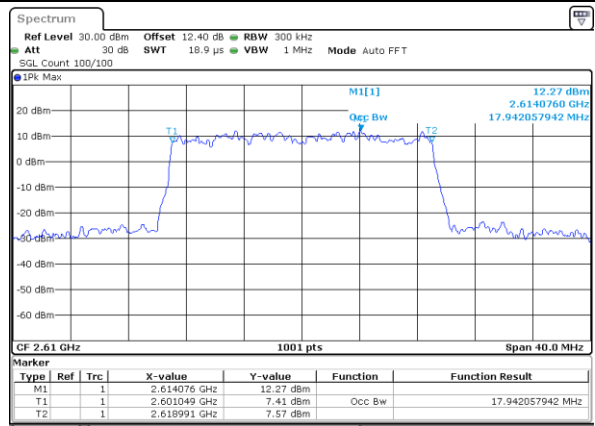
Date: 19_SEP.2020 05:45:43

Highest Channel / 20MHz / QPSK



Date: 19_SEP.2020 05:46:17

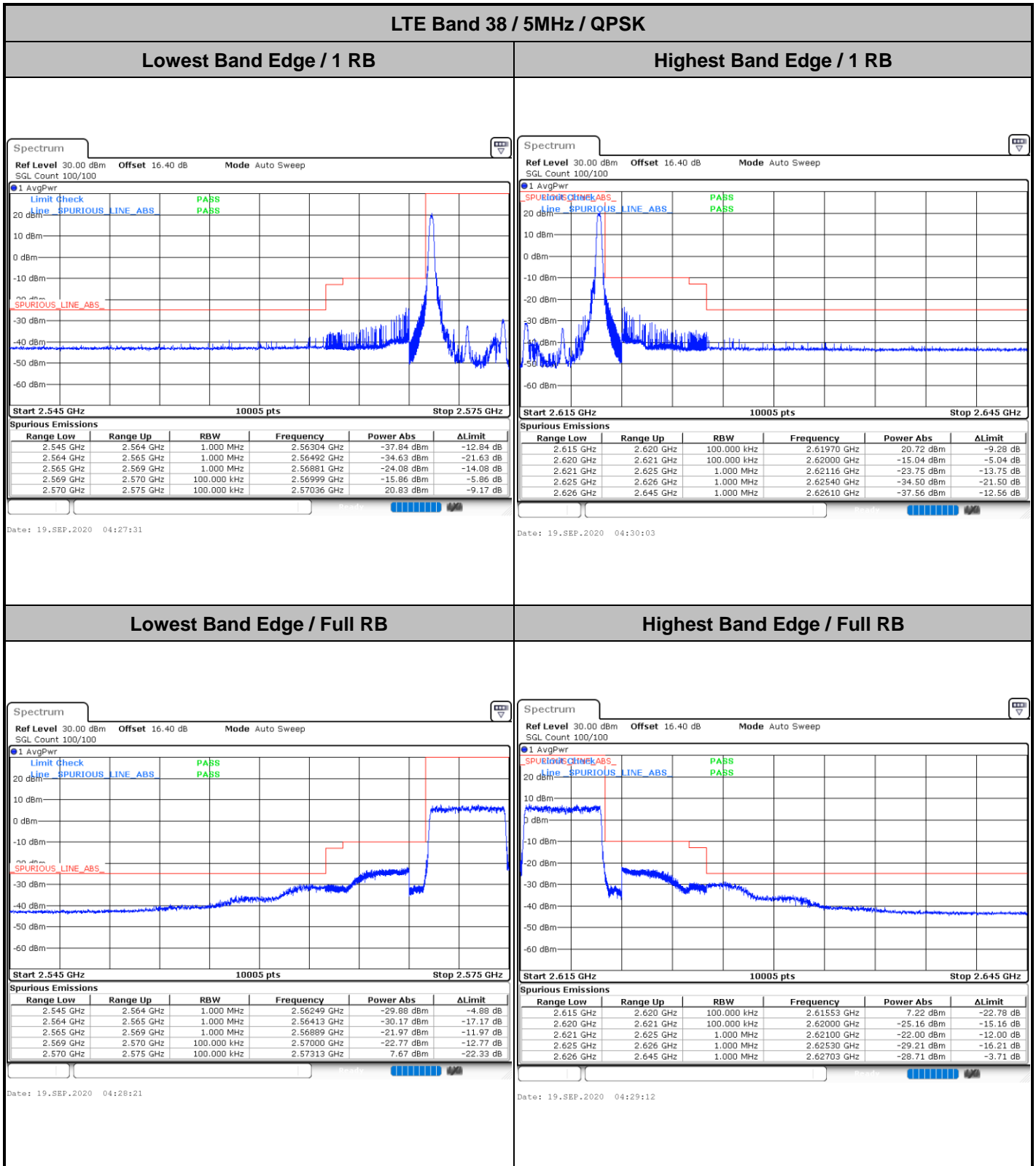
Highest Channel / 20MHz / 16QAM



Date: 19_SEP.2020 05:46:29



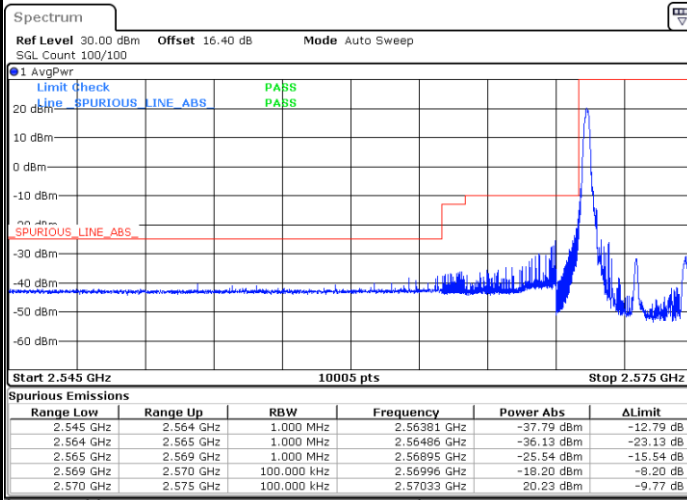
Conducted Band Edge





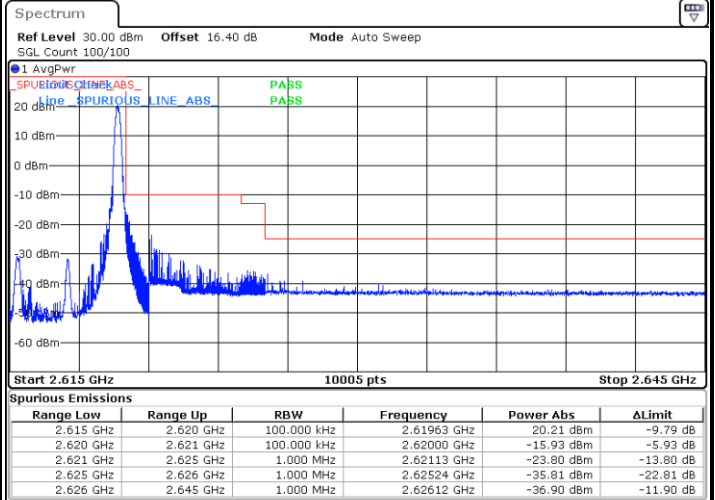
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



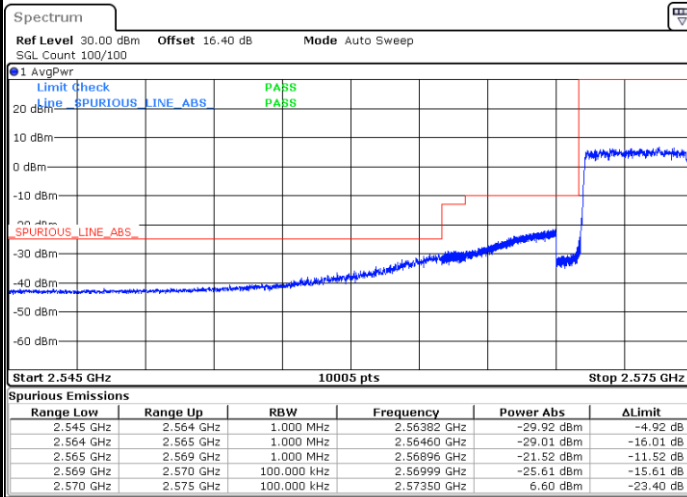
Date: 19_SEP.2020 04:27:56

Highest Band Edge / 1 RB



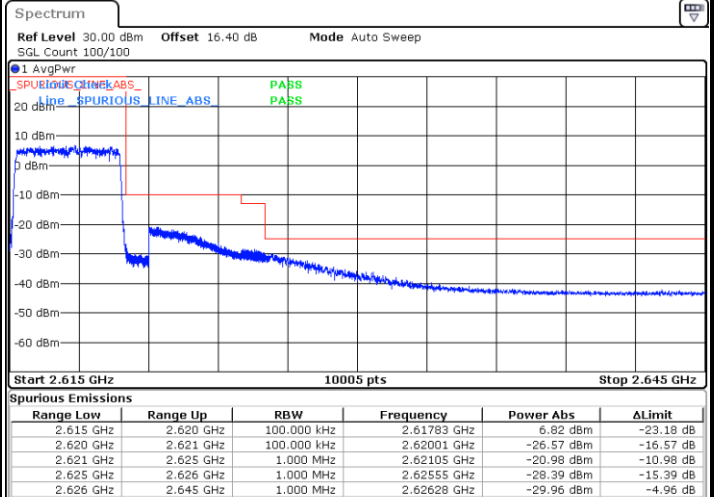
Date: 19_SEP.2020 04:30:28

Lowest Band Edge / Full RB



Date: 19_SEP.2020 04:28:47

Highest Band Edge / Full RB



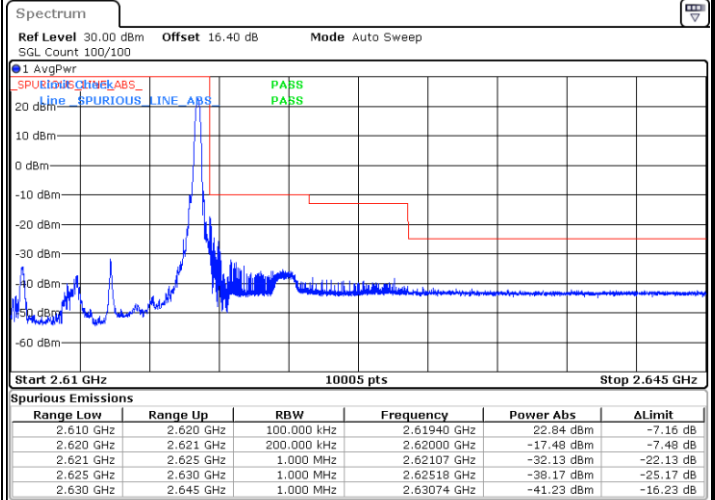
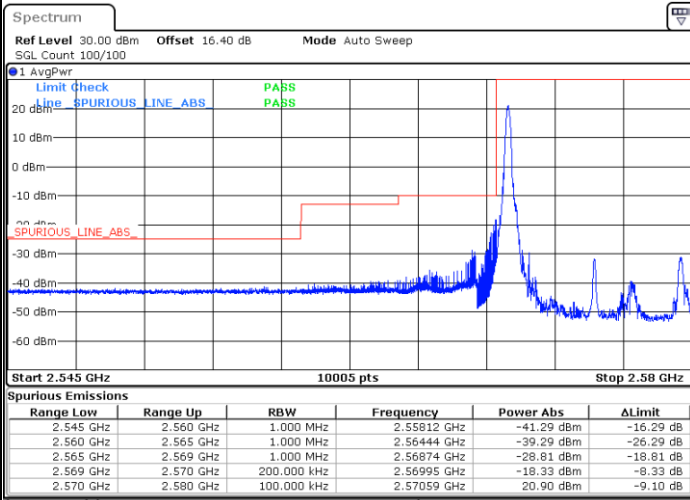
Date: 19_SEP.2020 04:29:37



LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

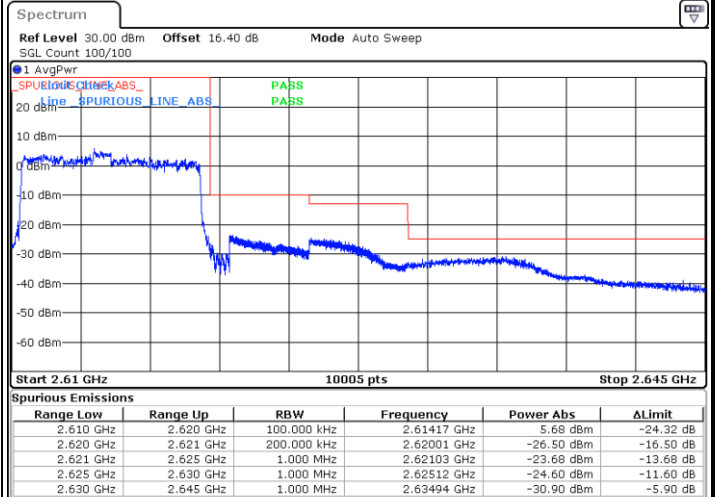
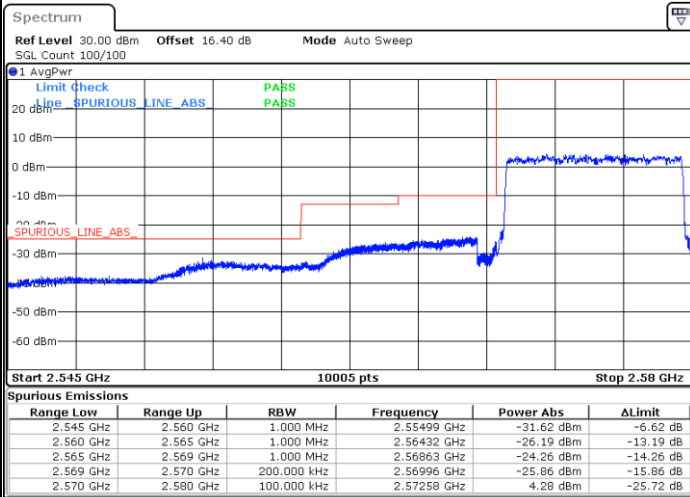


Date: 19_SEP.2020 04:30:54

Date: 19_SEP.2020 04:33:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



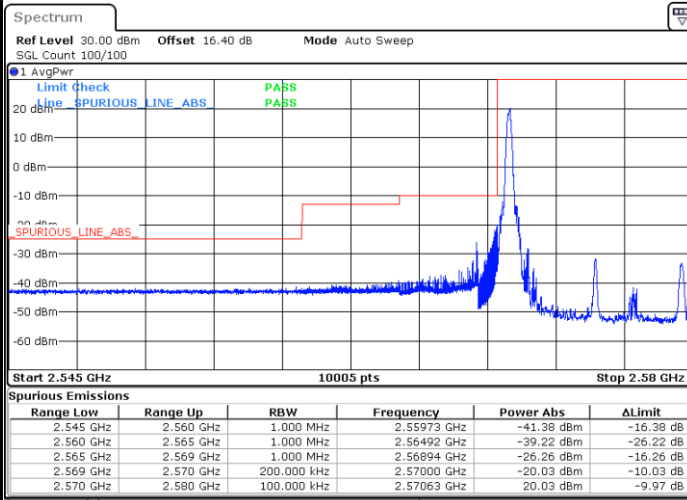
Date: 19_SEP.2020 04:31:45

Date: 19_SEP.2020 05:34:50



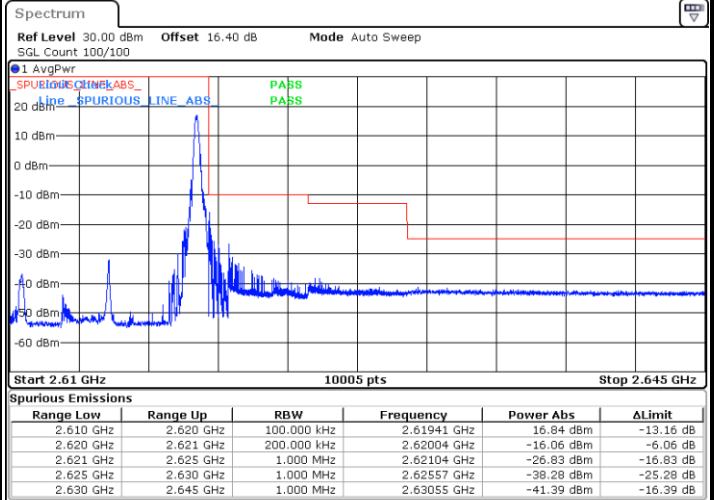
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



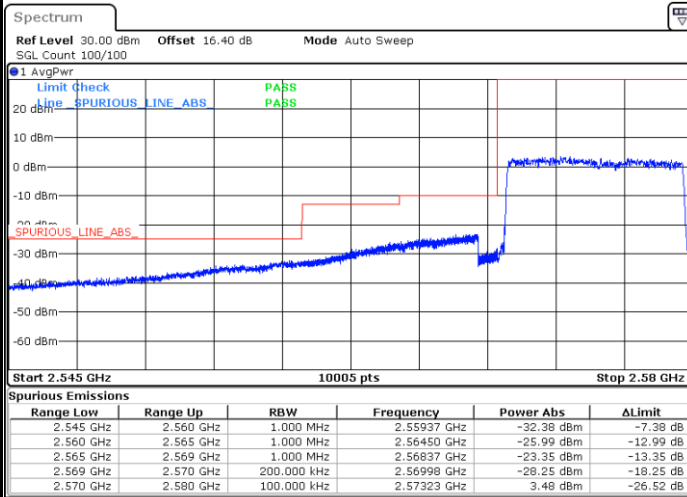
Date: 19_SEP.2020 04:31:19

Highest Band Edge / 1 RB



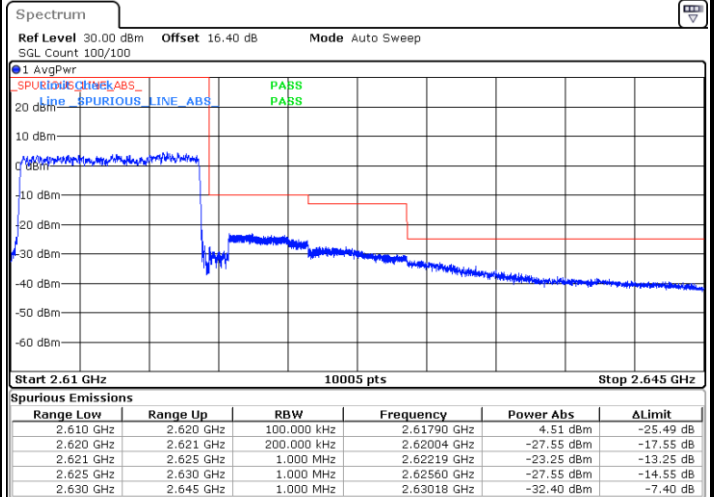
Date: 19_SEP.2020 04:33:52

Lowest Band Edge / Full RB



Date: 19_SEP.2020 04:32:10

Highest Band Edge / Full RB



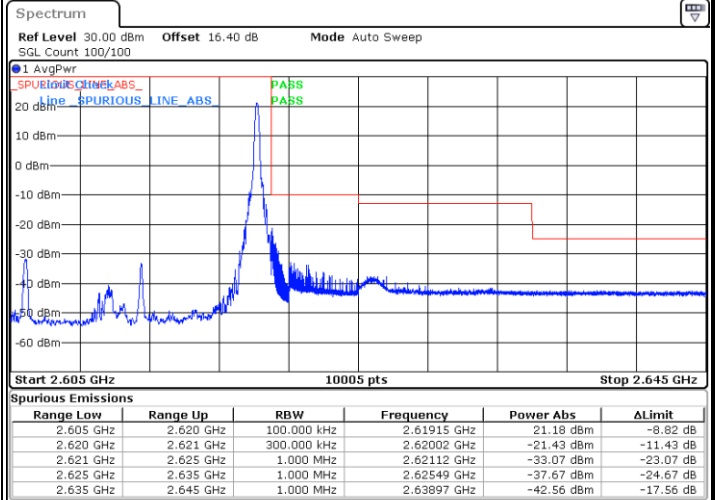
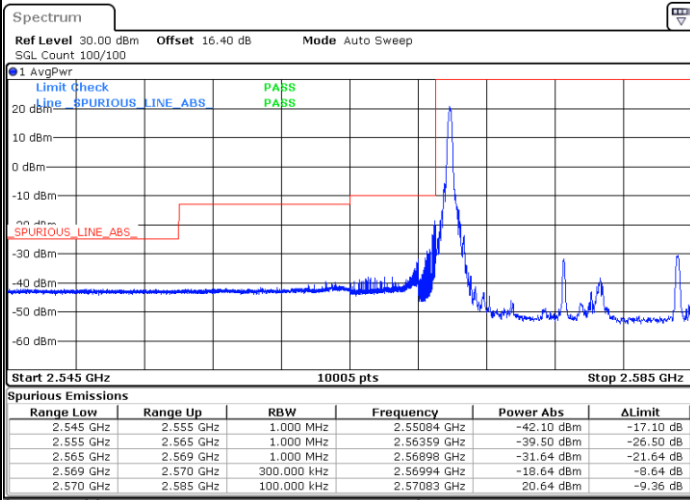
Date: 19_SEP.2020 05:32:15



LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

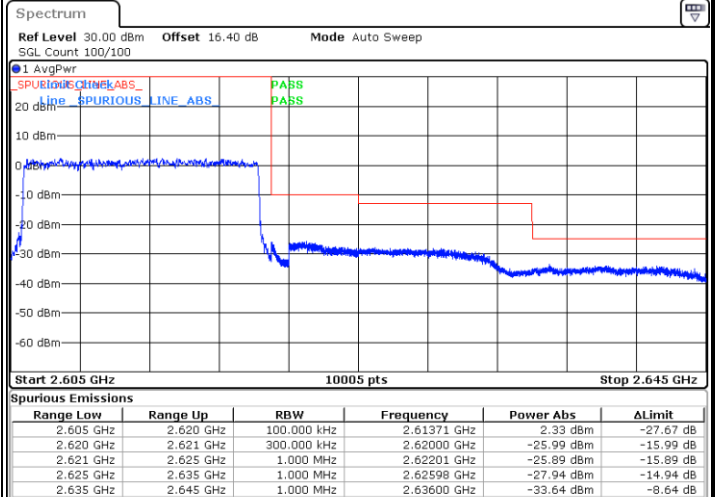
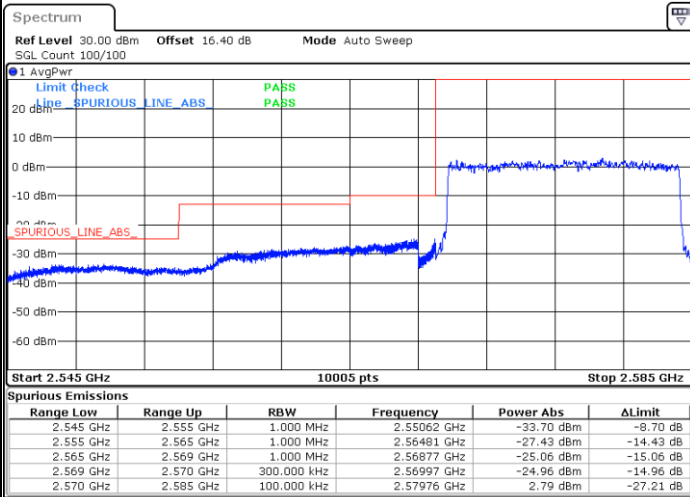


Date: 19_SEP.2020 04:34:18

Date: 19_SEP.2020 04:36:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



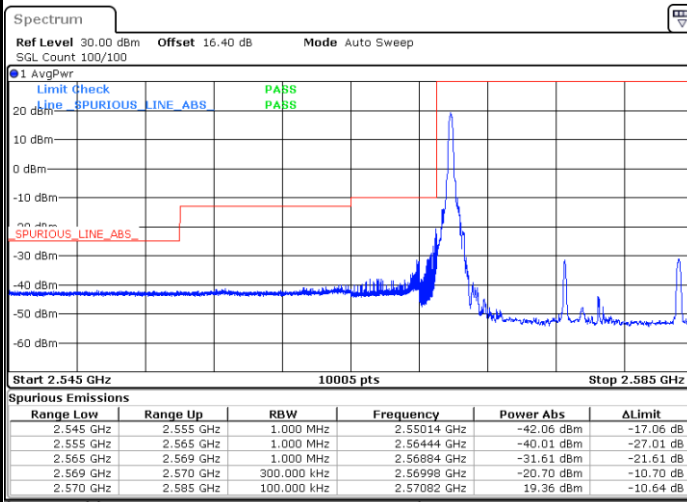
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Date: 19_SEP.2020 04:35:59



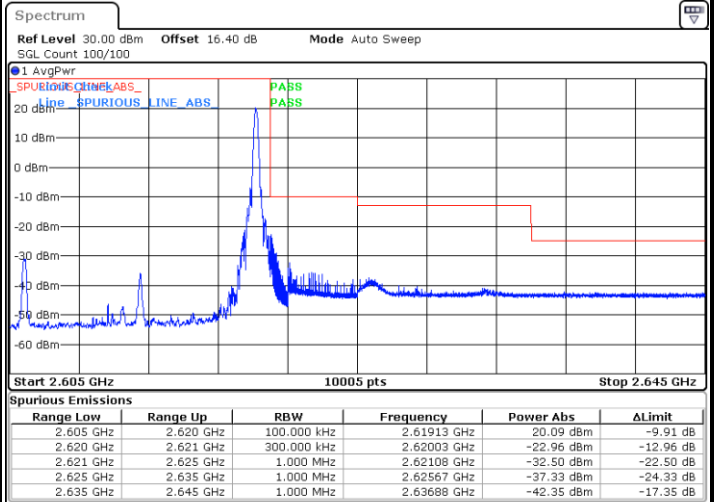
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



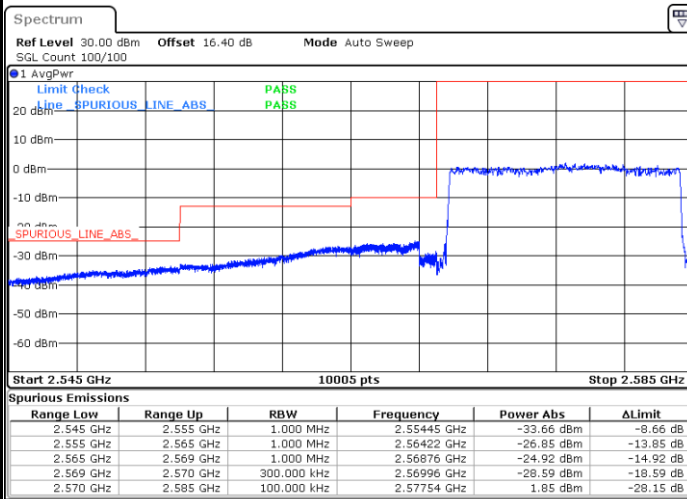
Date: 19_SEP.2020 04:34:43

Highest Band Edge / 1 RB



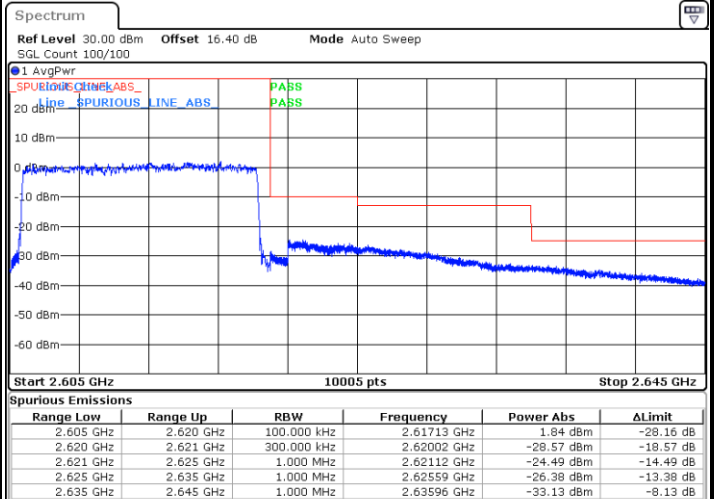
Date: 19_SEP.2020 04:38:37

Lowest Band Edge / Full RB



Date: 19_SEP.2020 04:35:14

Highest Band Edge / Full RB



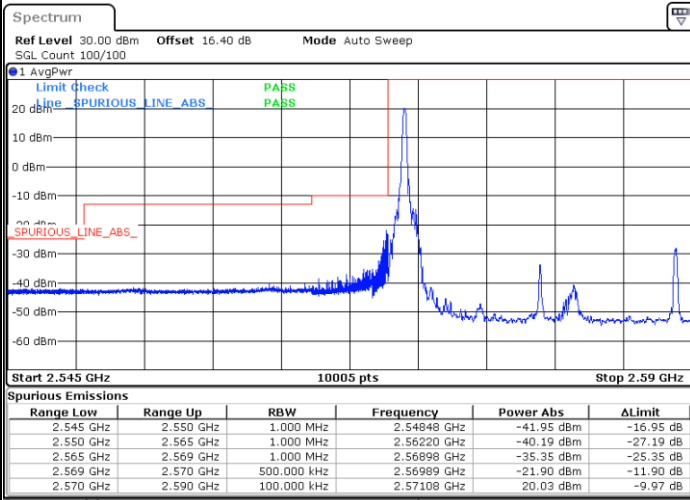
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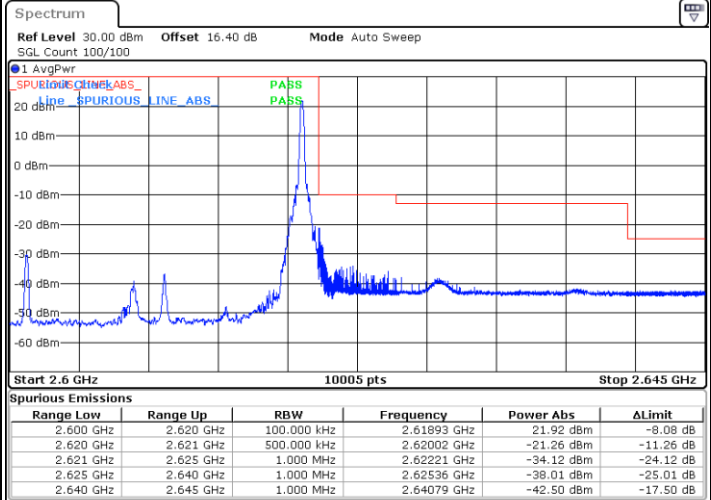
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



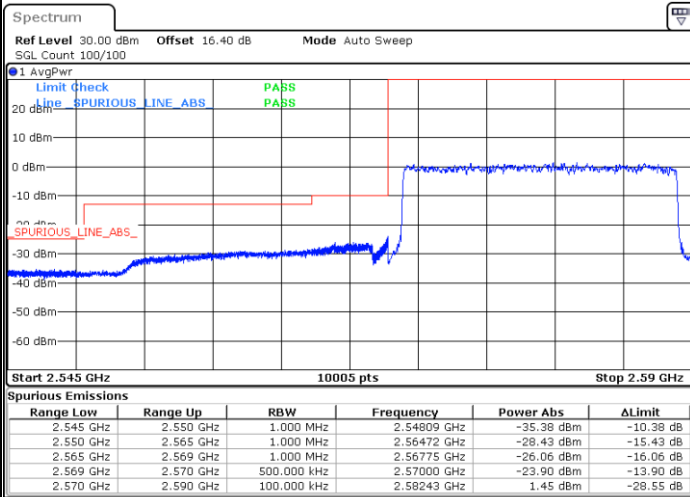
Date: 19_SEP.2020 04:39:02



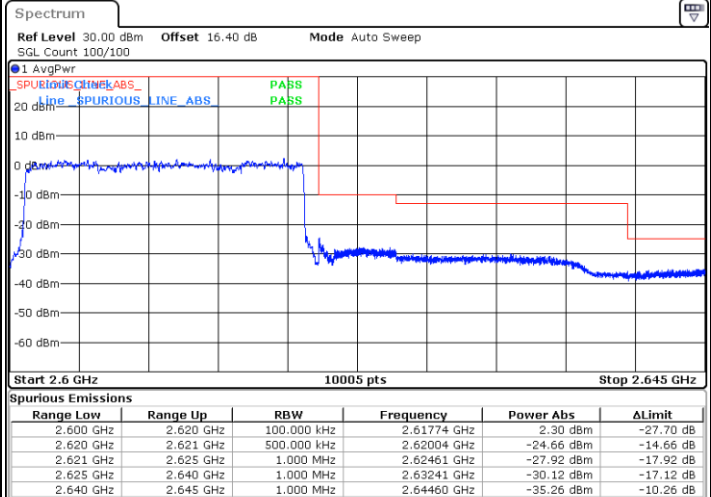
Date: 19_SEP.2020 04:41:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19_SEP.2020 04:39:53



Date: 19_SEP.2020 04:40:44