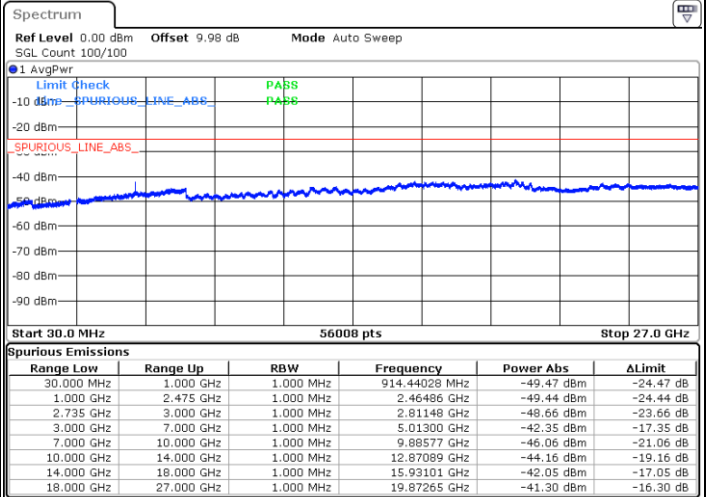
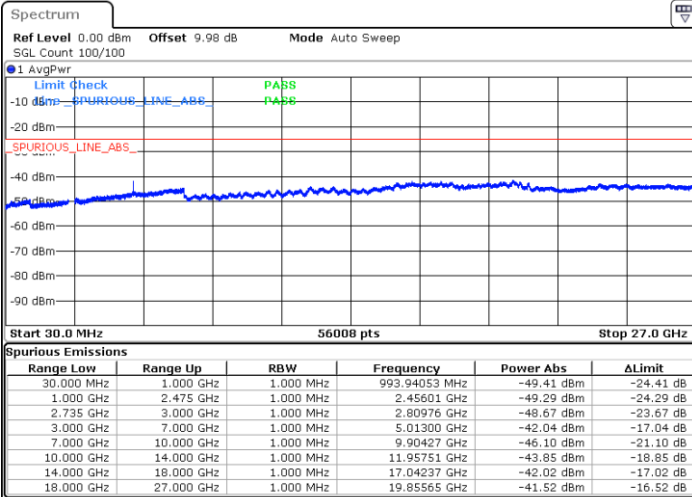




LTE Band 41 / 10MHz+20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

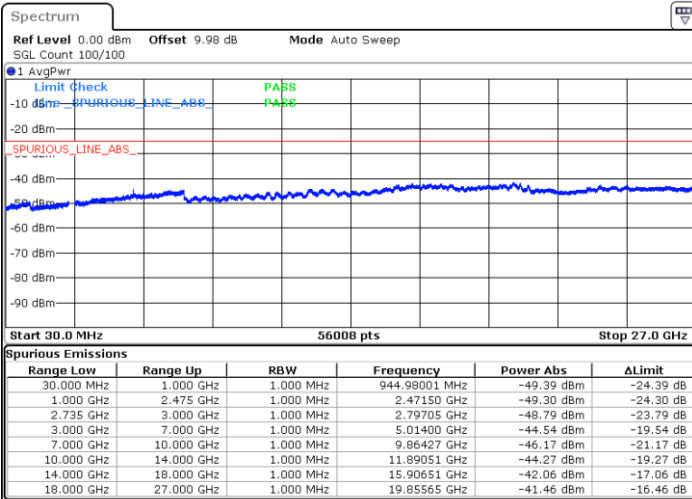


Date: 15.MAY.2020 17:05:46

Date: 15.MAY.2020 17:03:53

Lowest Channel / 64QAM

N/A



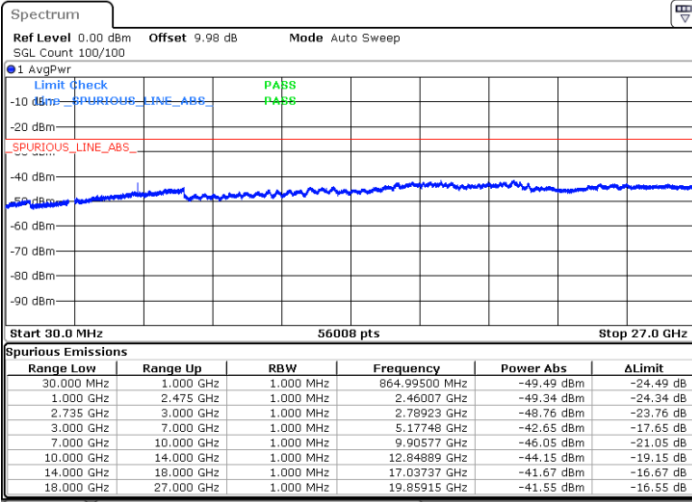
Date: 15.MAY.2020 17:04:51



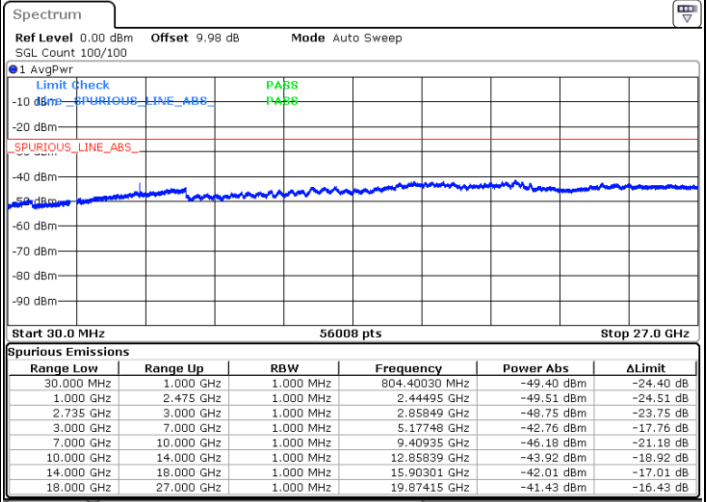
LTE Band 41 / 10MHz+20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



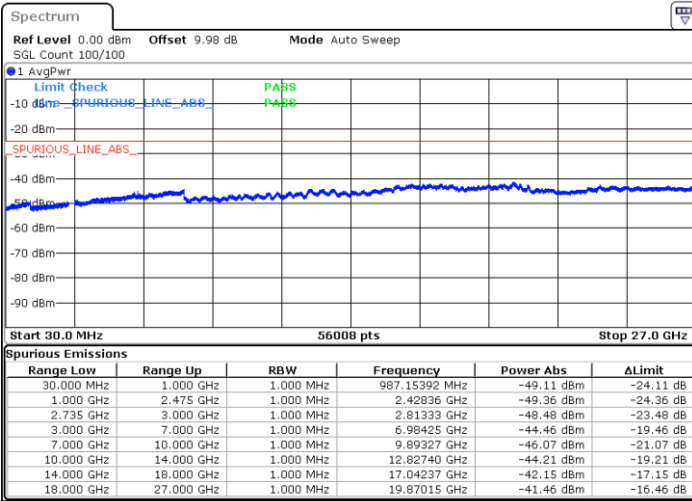
Date: 15.MAY.2020 17:10:29



Date: 15.MAY.2020 17:09:28

Middle Channel / 64QAM

N/A



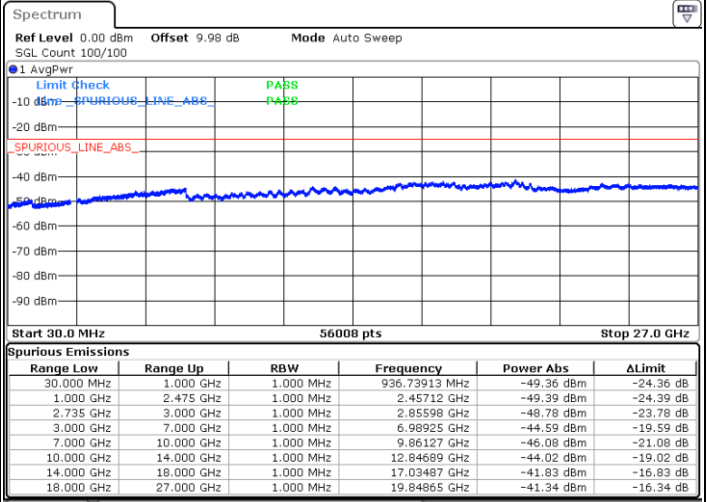
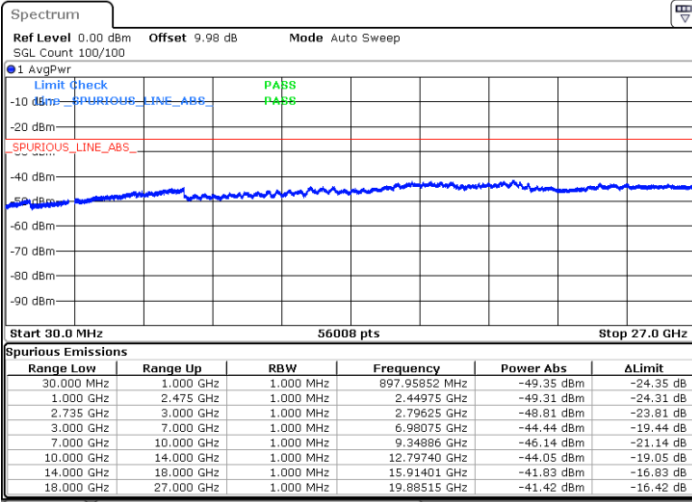
Date: 15.MAY.2020 17:08:28



LTE Band 41 / 10MHz+20MHz

Highest Channel / QPSK

Highest Channel / 16QAM

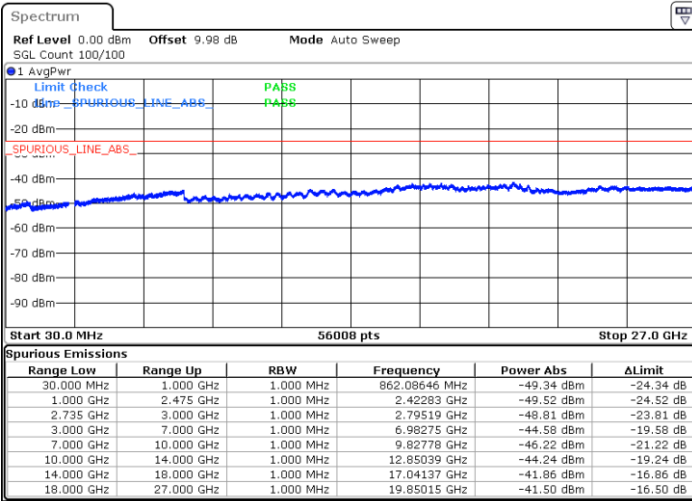


Date: 15.MAY.2020 17:19:56

Date: 15.MAY.2020 17:18:53

Highest Channel / 64QAM

N/A



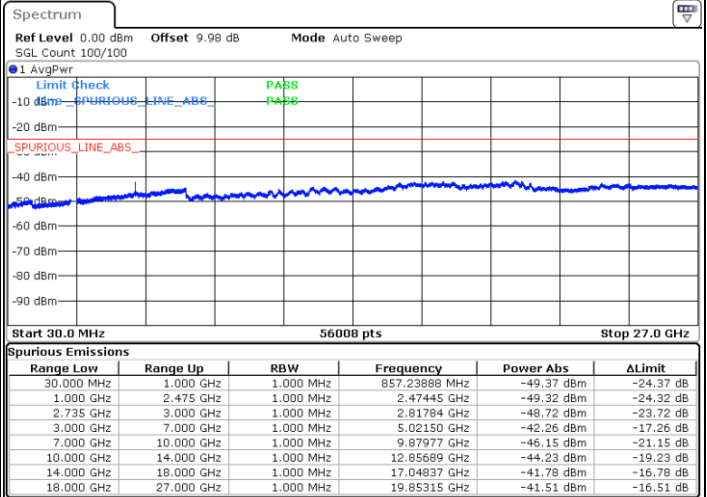
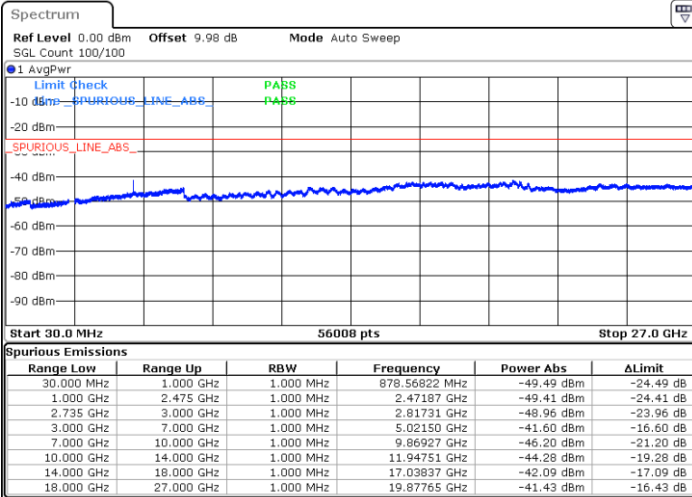
Date: 15.MAY.2020 17:17:50



LTE Band 41 / 15MHz+10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

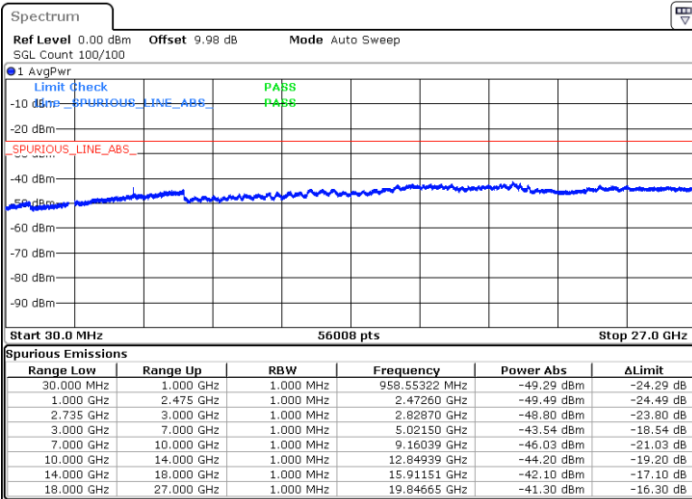


Date: 15.MAY.2020 16:06:24

Date: 15.MAY.2020 16:07:26

Lowest Channel / 64QAM

N/A



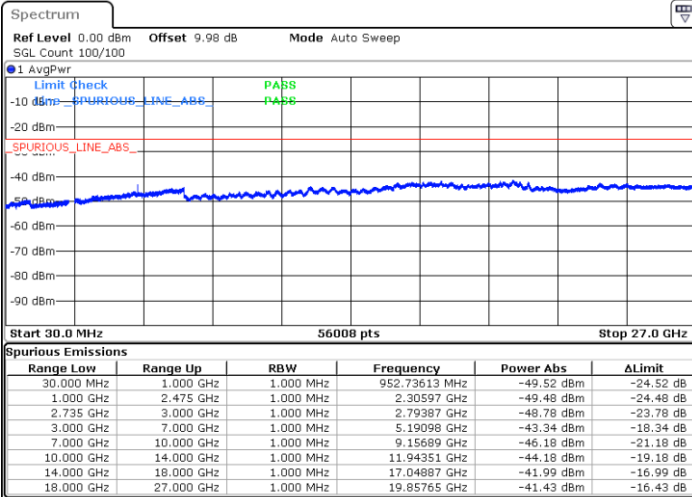
Date: 15.MAY.2020 16:08:29



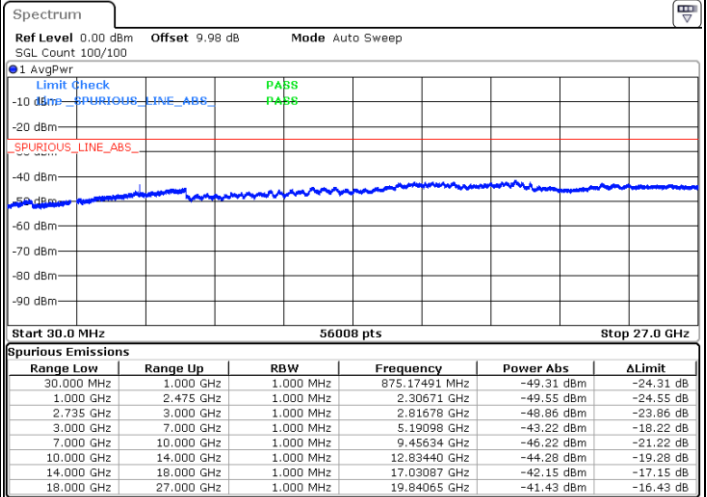
LTE Band 41 / 15MHz+10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



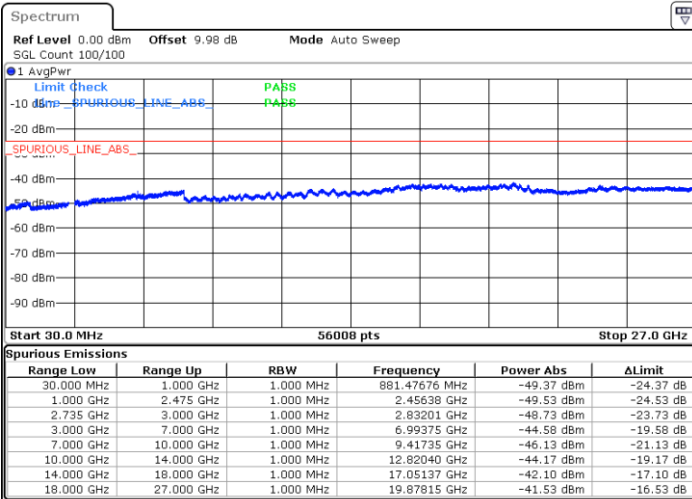
Date: 15.MAY.2020 16:11:10



Date: 15.MAY.2020 16:12:05

Middle Channel / 64QAM

N/A



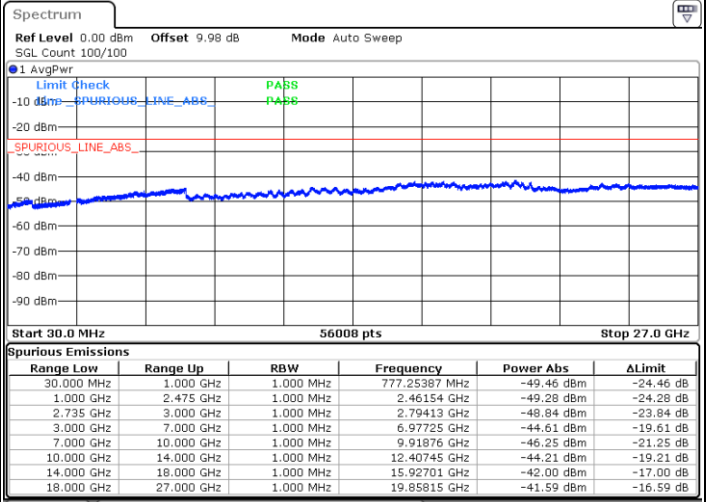
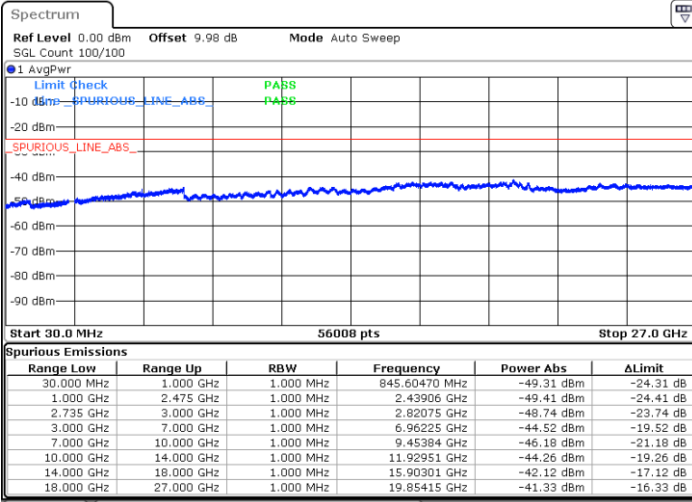
Date: 15.MAY.2020 16:13:07



LTE Band 41 / 15MHz+10MHz

Highest Channel / QPSK

Highest Channel / 16QAM

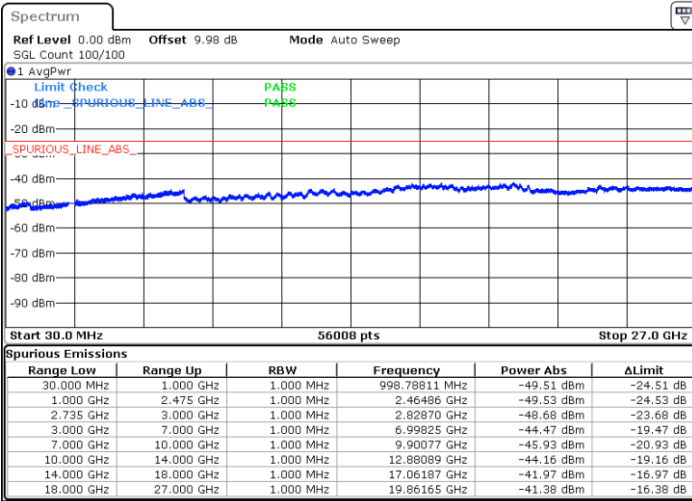


Date: 15.MAY.2020 16:17:51

Date: 15.MAY.2020 16:18:47

Highest Channel / 64QAM

N/A



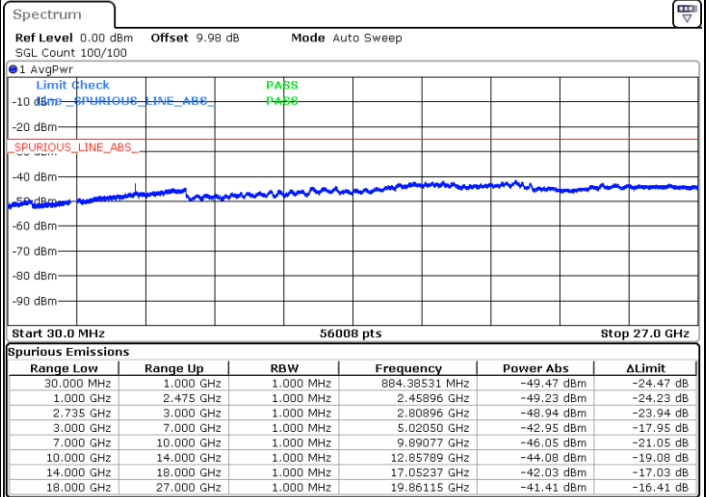
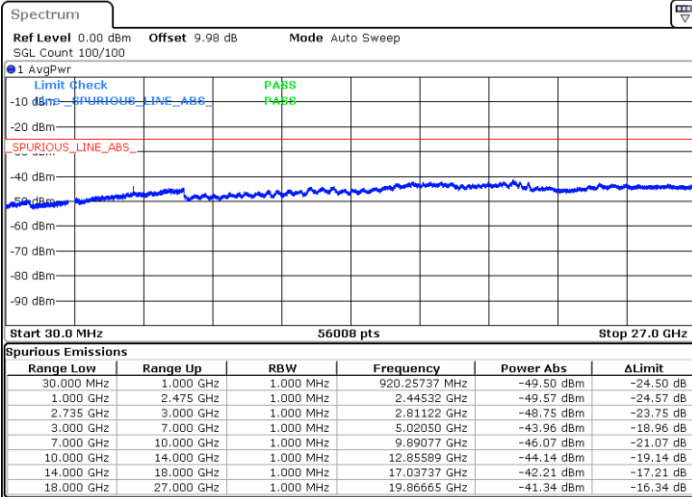
Date: 15.MAY.2020 16:19:57



LTE Band 41 / 15MHz+15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

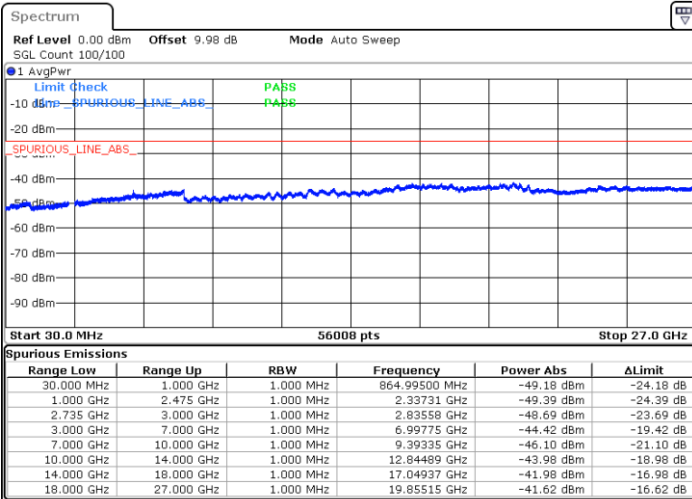


Date: 16.MAY.2020 13:57:38

Date: 16.MAY.2020 13:56:39

Lowest Channel / 64QAM

N/A



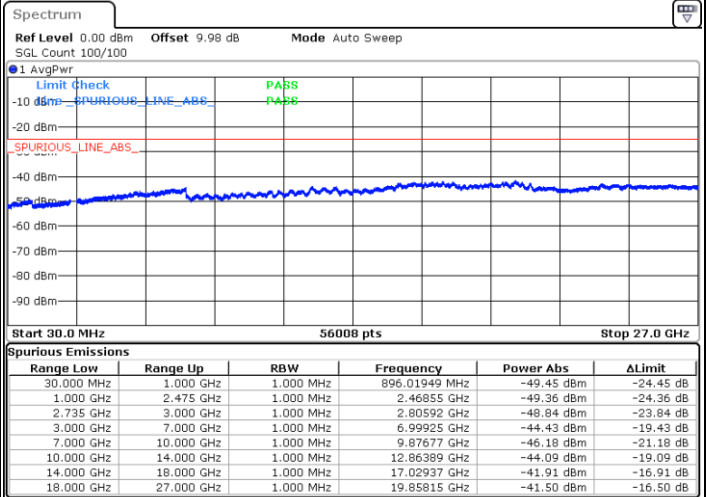
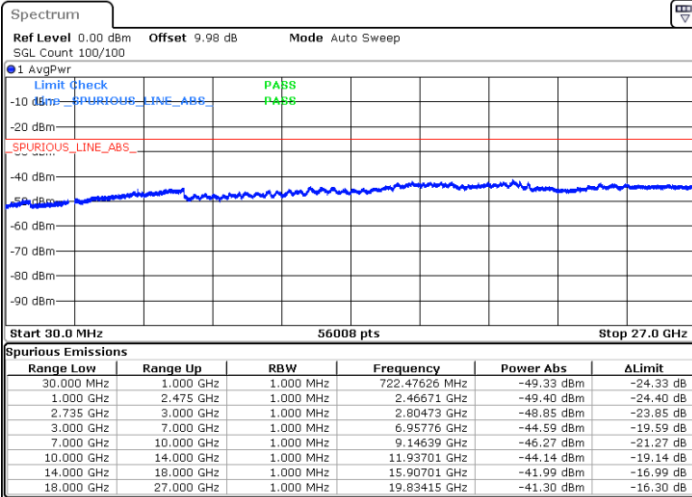
Date: 16.MAY.2020 13:55:37



LTE Band 41 / 15MHz+15MHz

Middle Channel / QPSK

Middle Channel / 16QAM

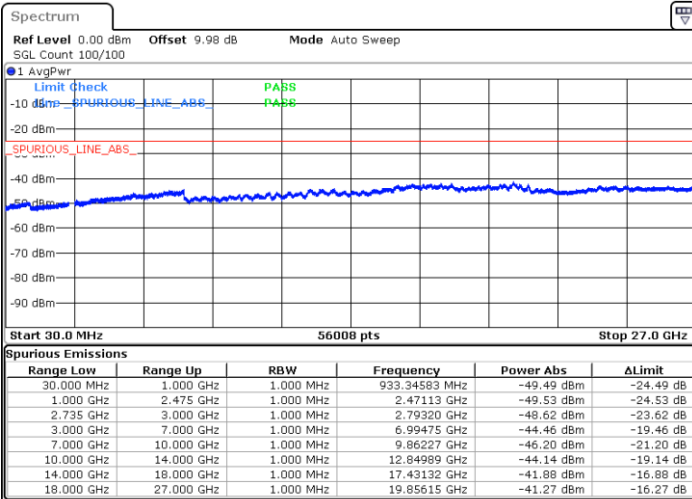


Date: 16.MAY.2020 14:02:12

Date: 16.MAY.2020 14:01:12

Middle Channel / 64QAM

N/A

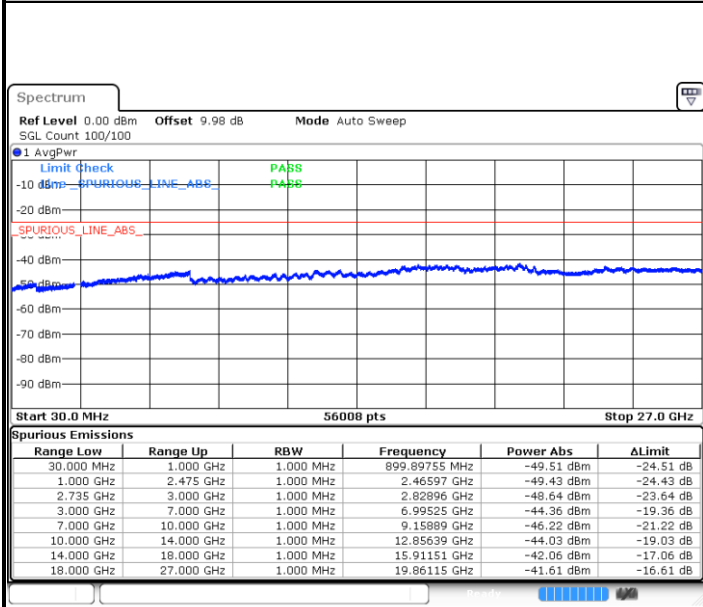


Date: 16.MAY.2020 14:00:17



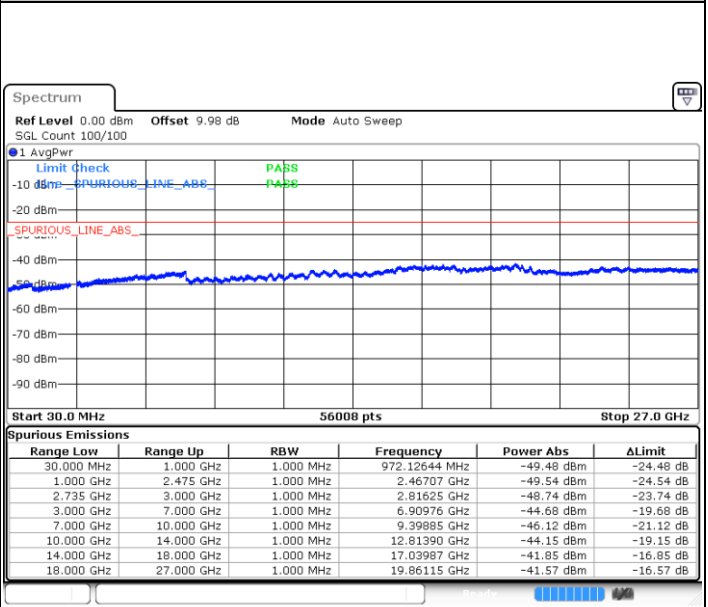
LTE Band 41 / 15MHz+15MHz

Highest Channel / QPSK



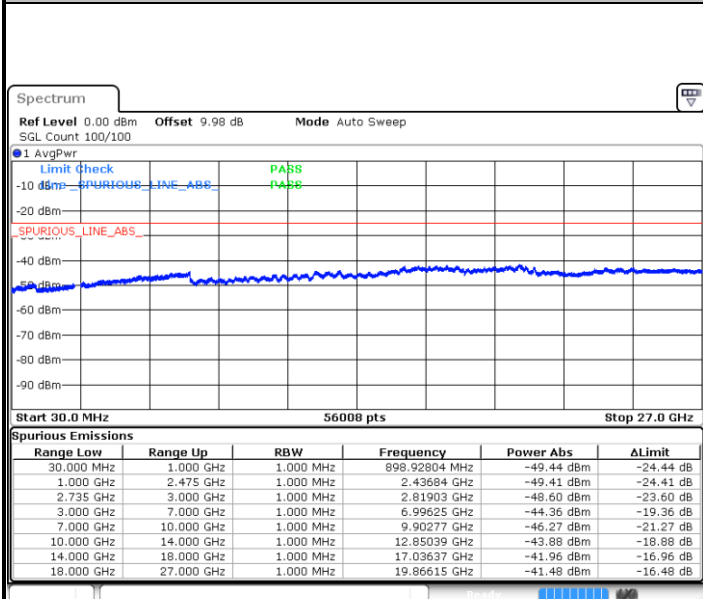
Date: 16.MAY.2020 14:07:30

Highest Channel / 16QAM



Date: 16.MAY.2020 14:08:33

Highest Channel / 64QAM



Date: 16.MAY.2020 14:09:28

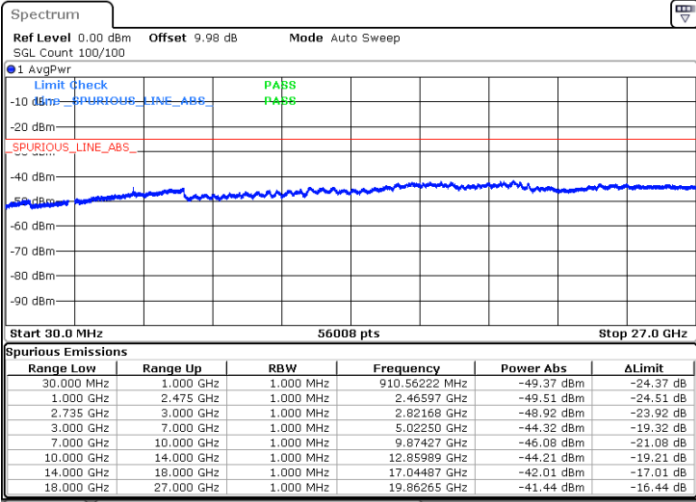
N/A



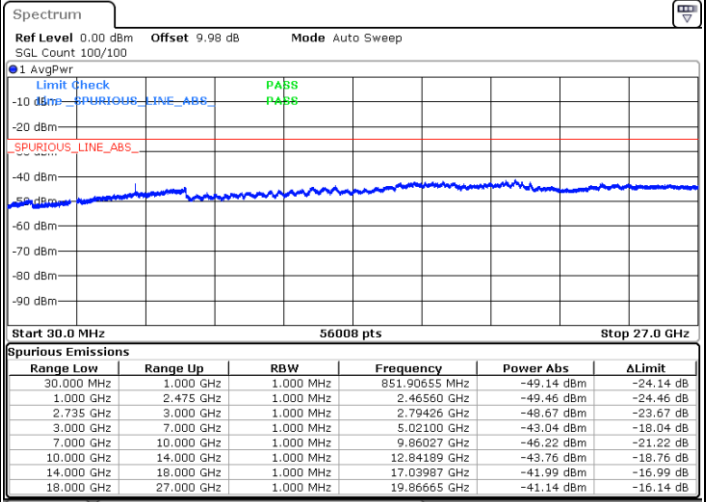
LTE Band 41 / 15MHz+20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



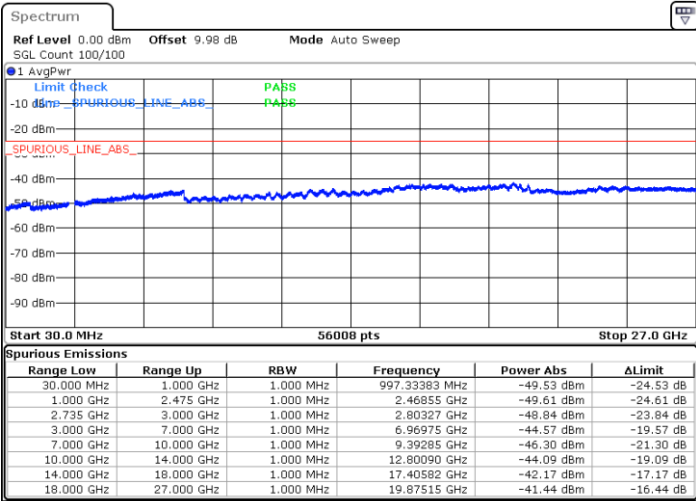
Date: 16.MAY.2020 14:17:25



Date: 16.MAY.2020 14:18:43

Lowest Channel / 64QAM

N/A



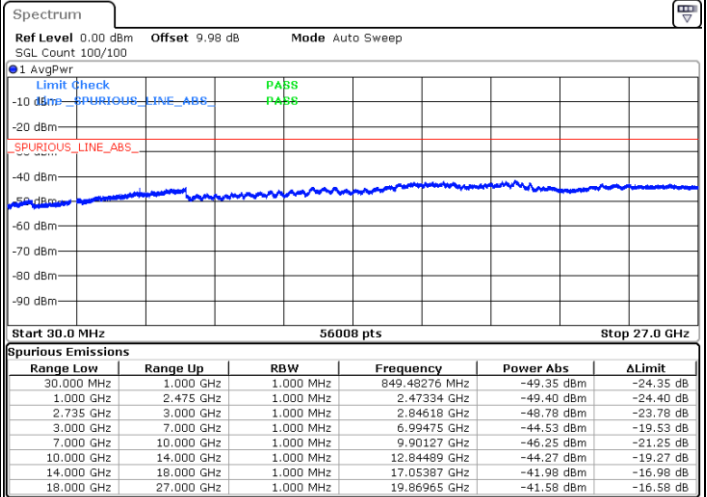
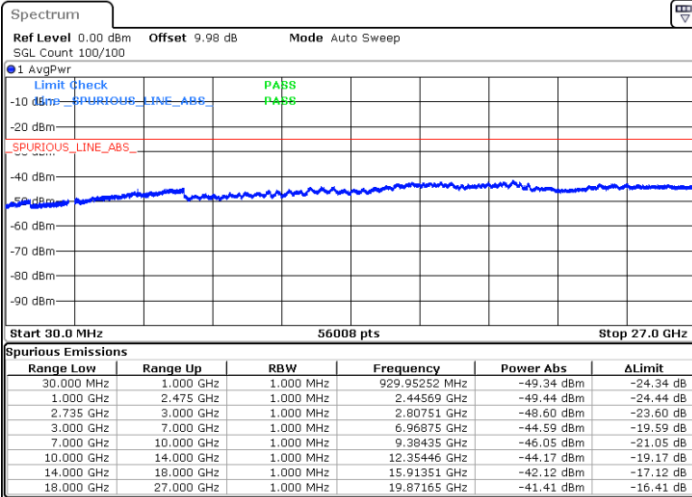
Date: 16.MAY.2020 14:19:41



LTE Band 41 / 15MHz+20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

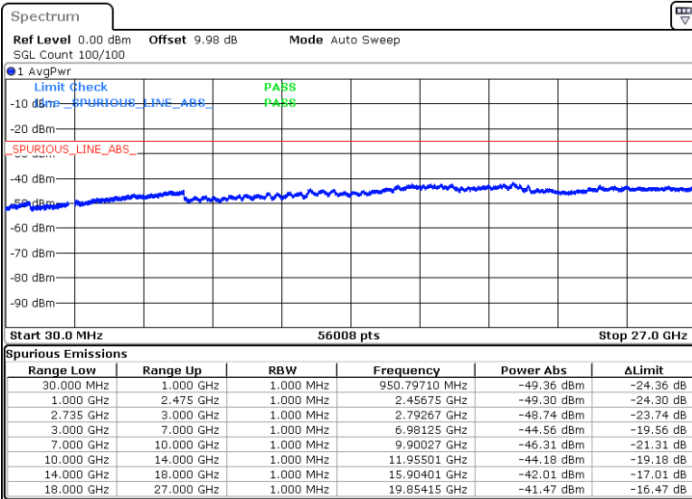


Date: 16.MAY.2020 14:22:24

Date: 16.MAY.2020 14:23:19

Middle Channel / 64QAM

N/A



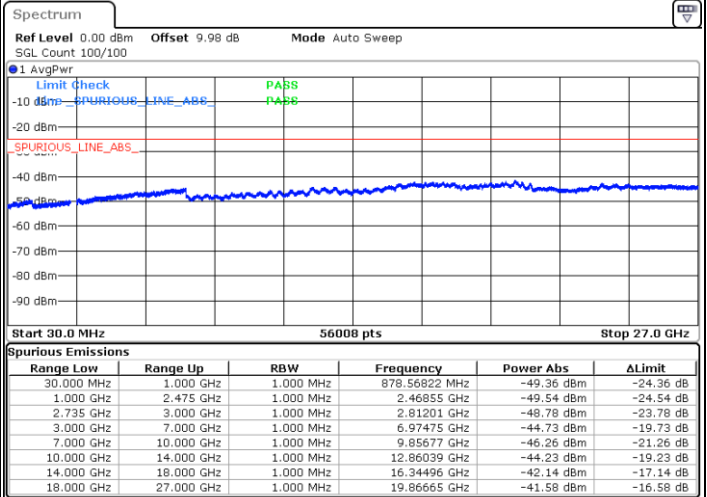
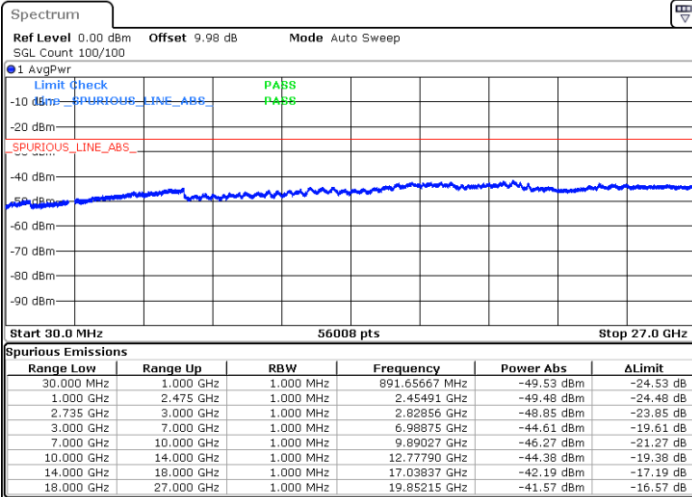
Date: 16.MAY.2020 14:24:28



LTE Band 41 / 15MHz+20MHz

Highest Channel / QPSK

Highest Channel / 16QAM

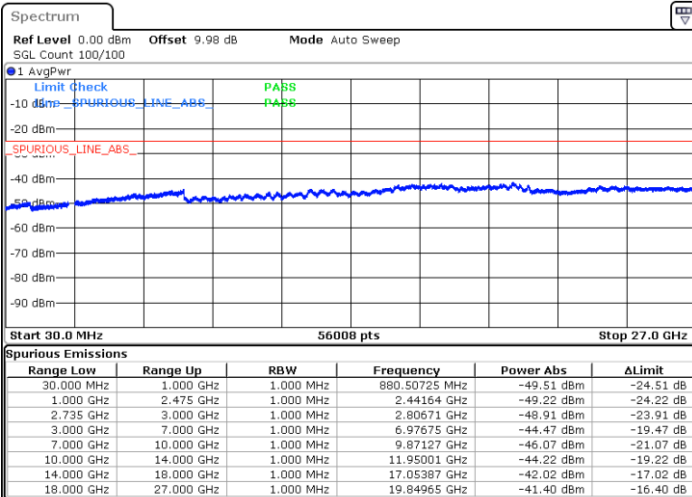


Date: 16.MAY.2020 14:27:23

Date: 16.MAY.2020 14:28:22

Highest Channel / 64QAM

N/A



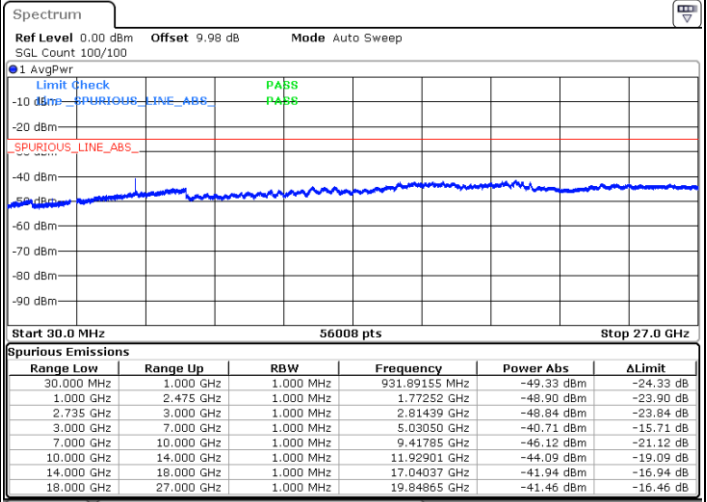
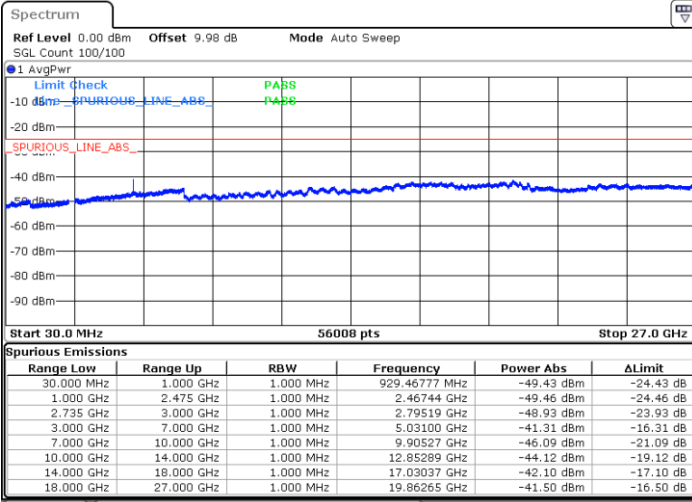
Date: 16.MAY.2020 14:29:28



LTE Band 41 / 20MHz+5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

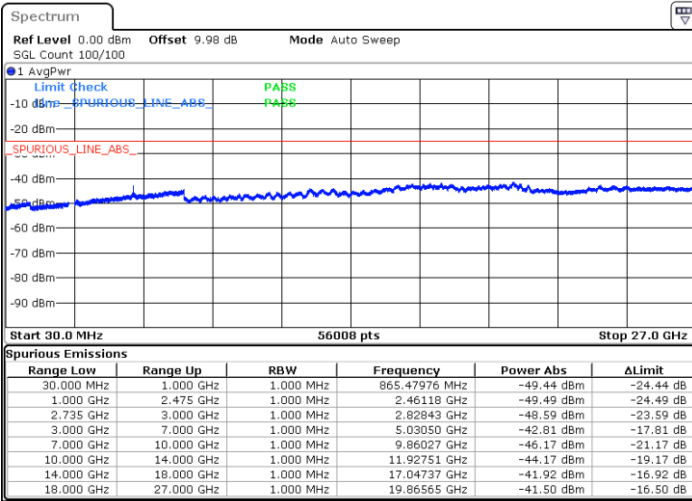


Date: 15.MAY.2020 15:28:59

Date: 15.MAY.2020 15:29:57

Lowest Channel / 64QAM

N/A



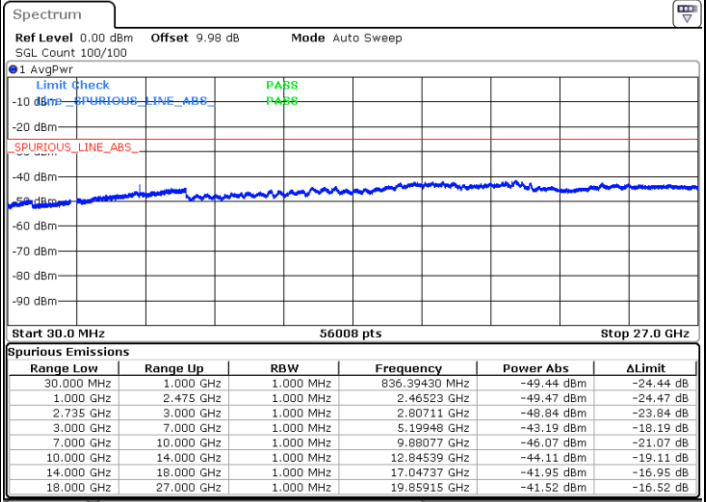
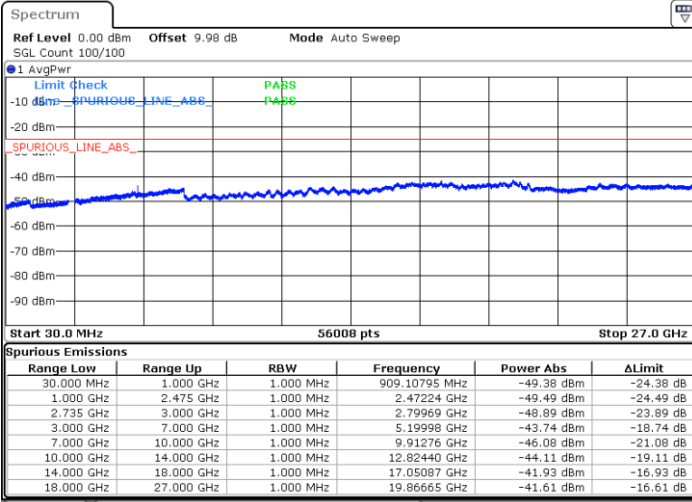
Date: 15.MAY.2020 15:30:54



LTE Band 41 / 20MHz+5MHz

Middle Channel / QPSK

Middle Channel / 16QAM

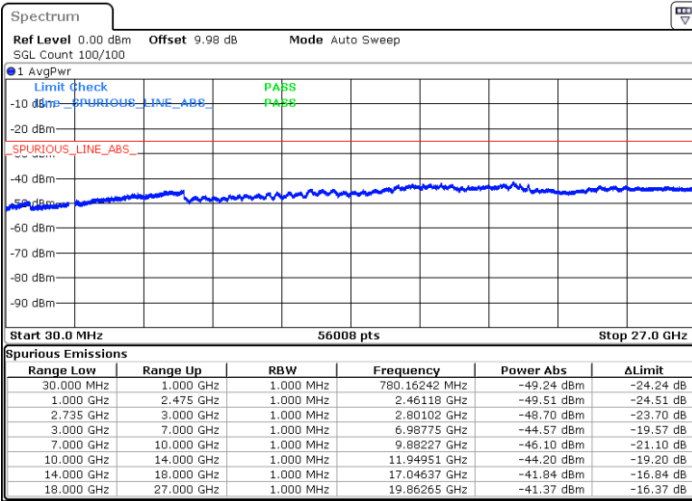


Date: 15.MAY.2020 15:33:23

Date: 15.MAY.2020 15:34:41

Middle Channel / 64QAM

N/A



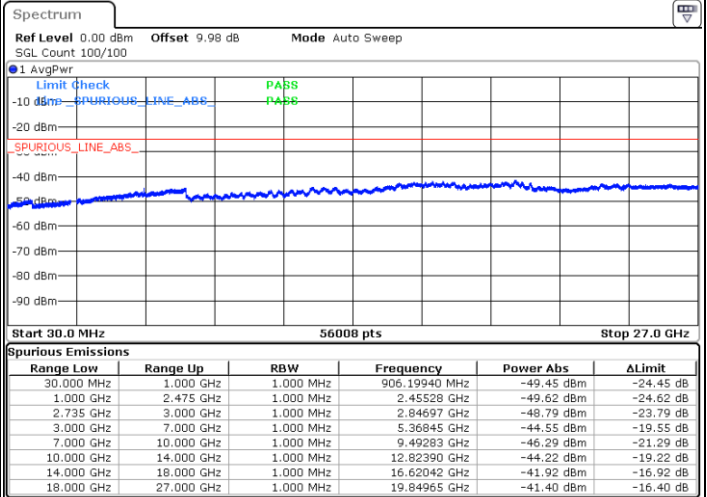
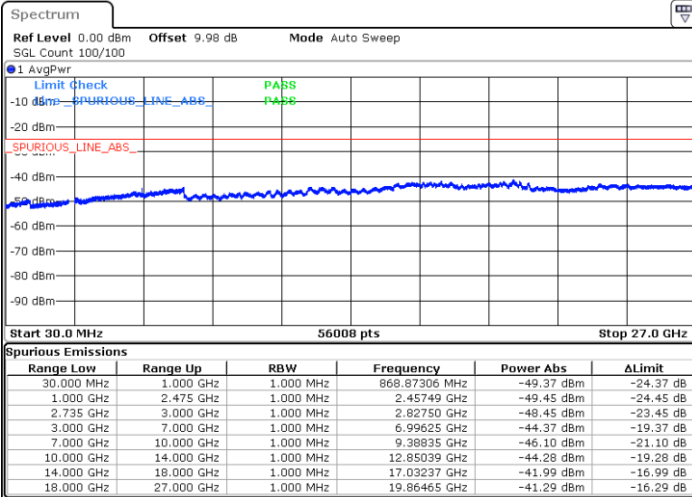
Date: 15.MAY.2020 15:36:47



LTE Band 41 / 20MHz+5MHz

Highest Channel / QPSK

Highest Channel / 16QAM

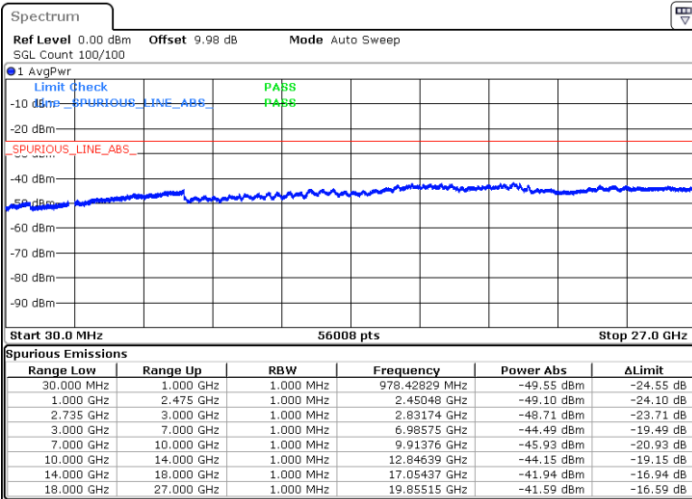


Date: 15.MAY.2020 15:39:51

Date: 15.MAY.2020 15:43:26

Highest Channel / 64QAM

N/A



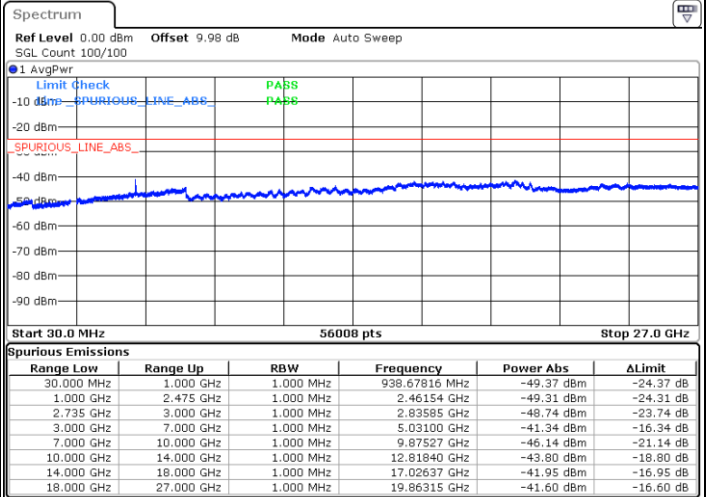
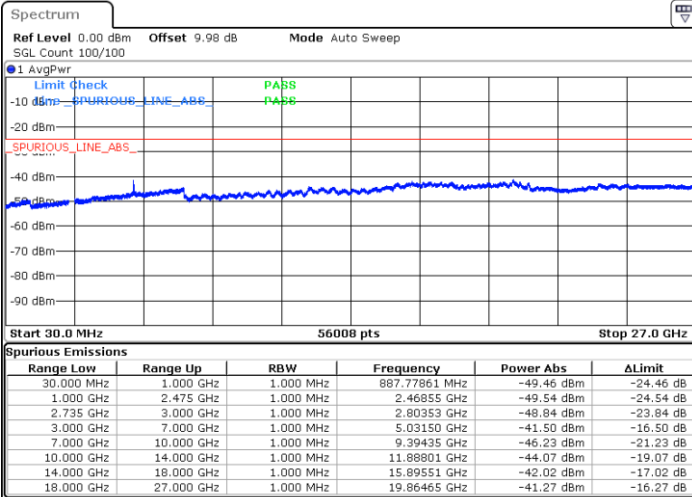
Date: 15.MAY.2020 15:44:33



LTE Band 41 / 20MHz+10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

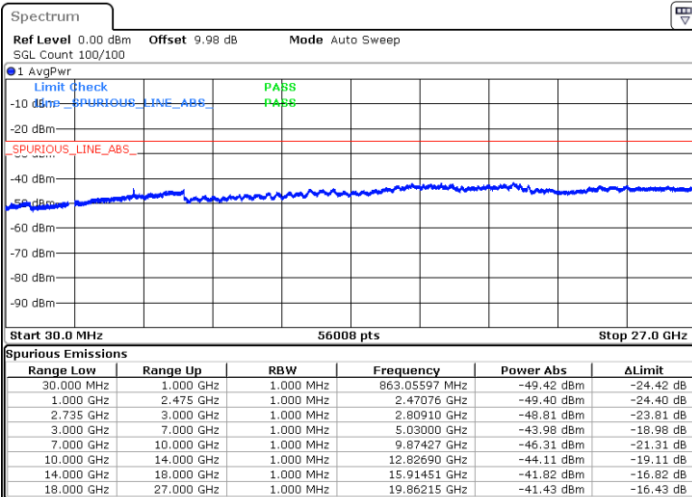


Date: 15.MAY.2020 17:32:11

Date: 15.MAY.2020 17:31:15

Lowest Channel / 64QAM

N/A

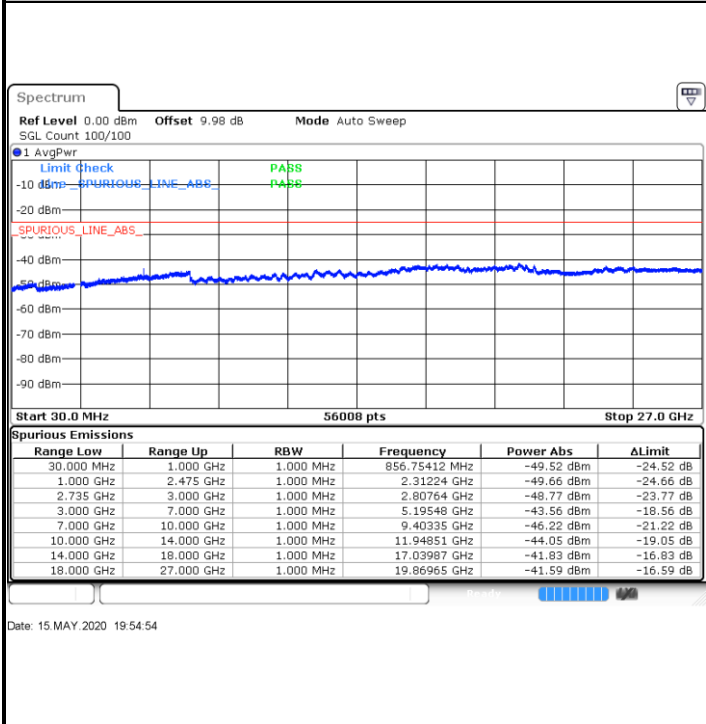


Date: 15.MAY.2020 17:30:15

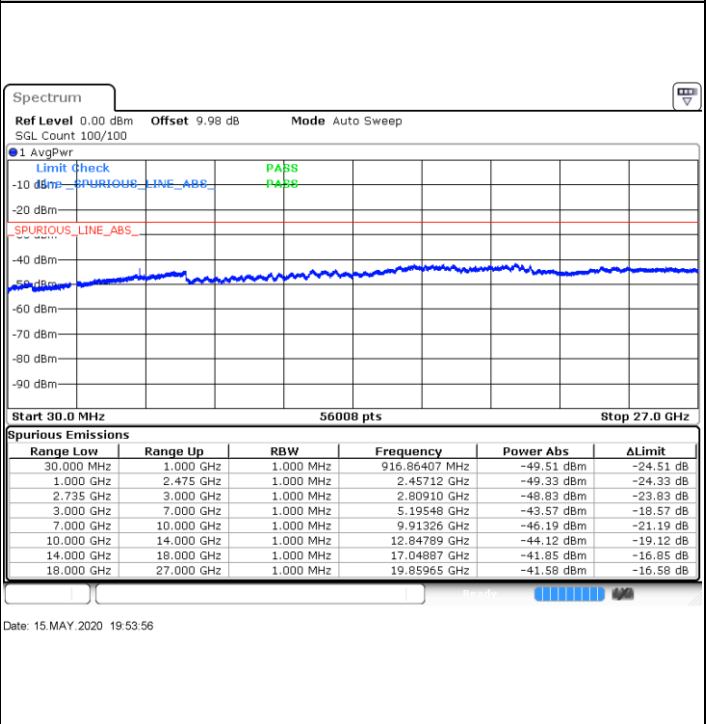


LTE Band 41 / 20MHz+10MHz

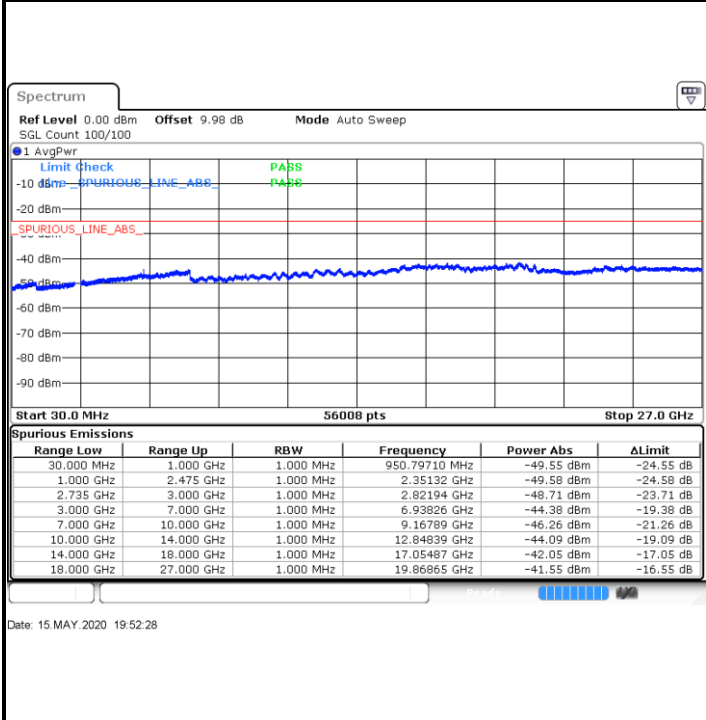
Middle Channel / QPSK



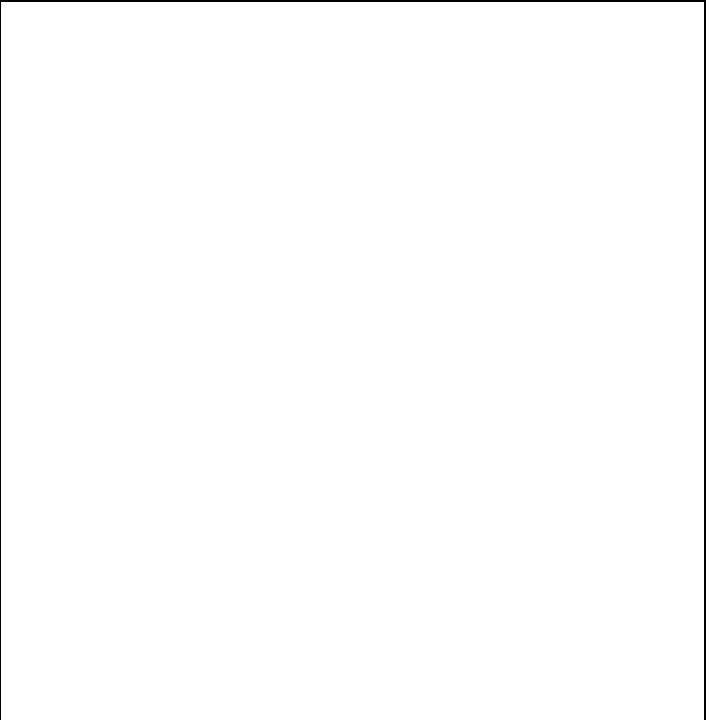
Middle Channel / 16QAM



Middle Channel / 64QAM



N/A

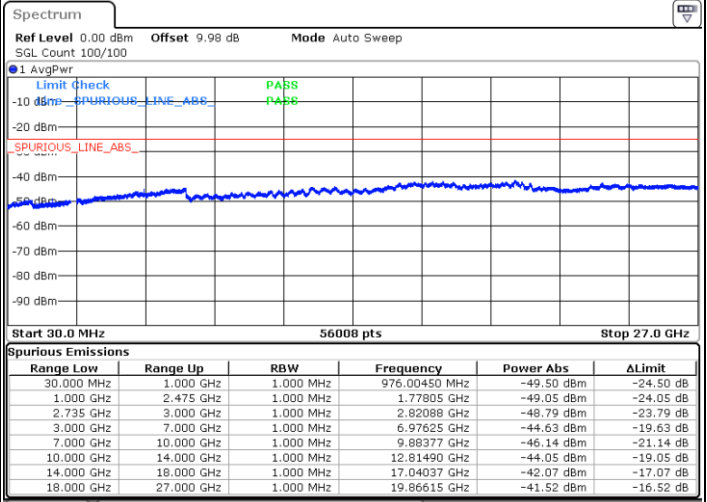
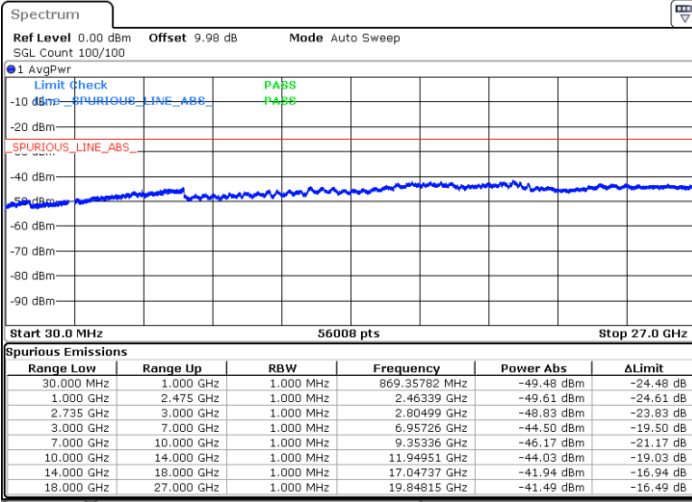




LTE Band 41 / 20MHz+10MHz

Highest Channel / QPSK

Highest Channel / 16QAM

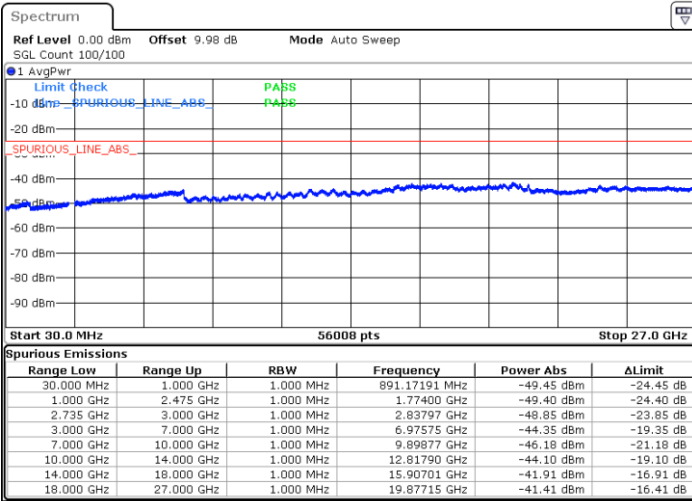


Date: 15.MAY.2020 20:00:22

Date: 15.MAY.2020 19:58:17

Highest Channel / 64QAM

N/A

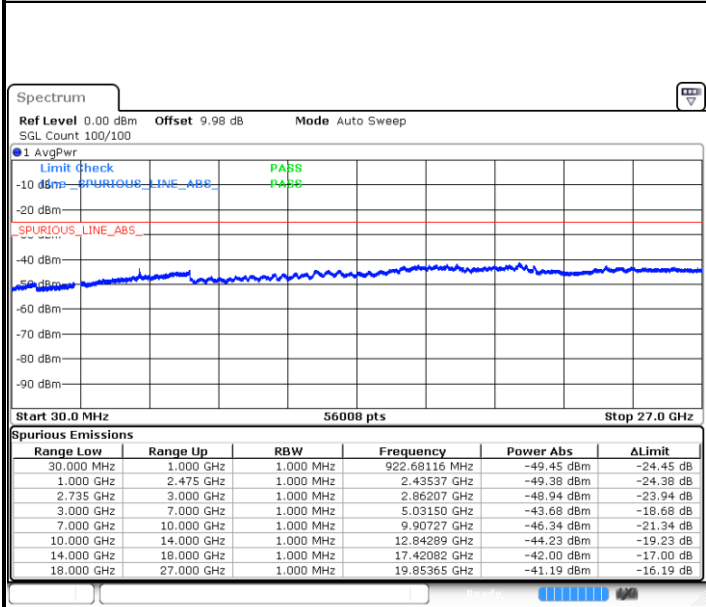


Date: 15.MAY.2020 19:58:18



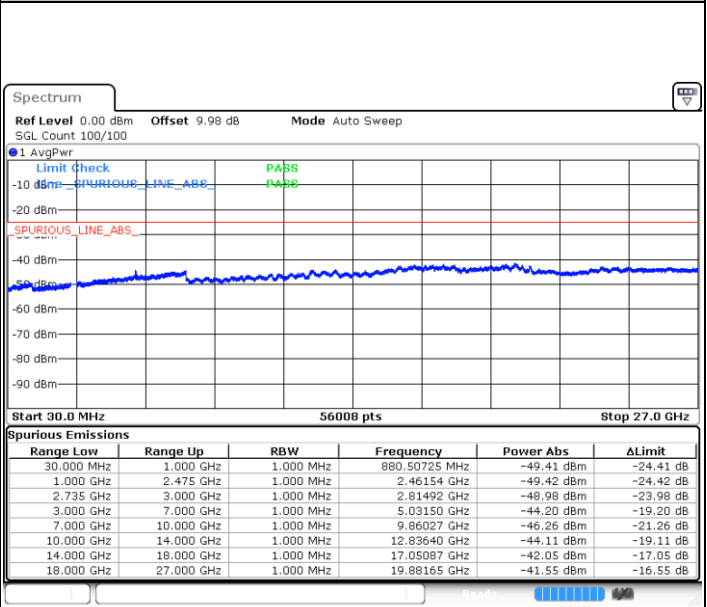
LTE Band 41 / 20MHz+15MHz

Lowest Channel / QPSK



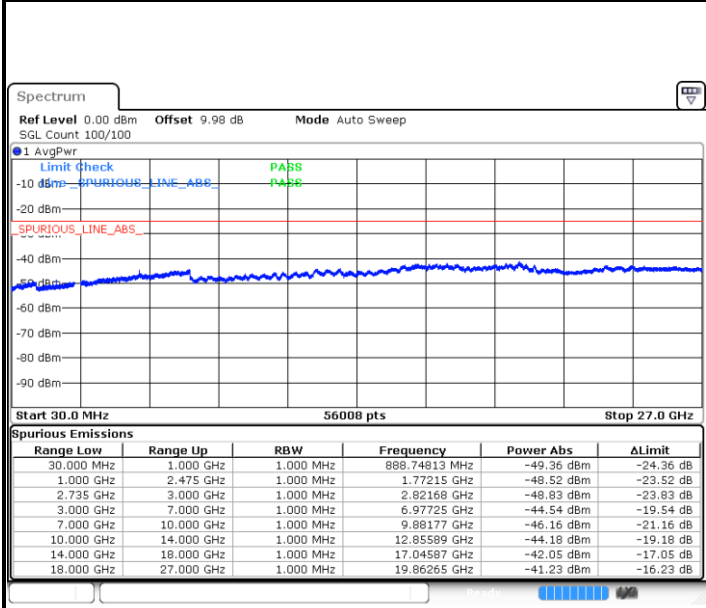
Date: 16.MAY.2020 15:02:25

Lowest Channel / 16QAM



Date: 16.MAY.2020 15:04:46

Lowest Channel / 64QAM



Date: 16.MAY.2020 15:06:12

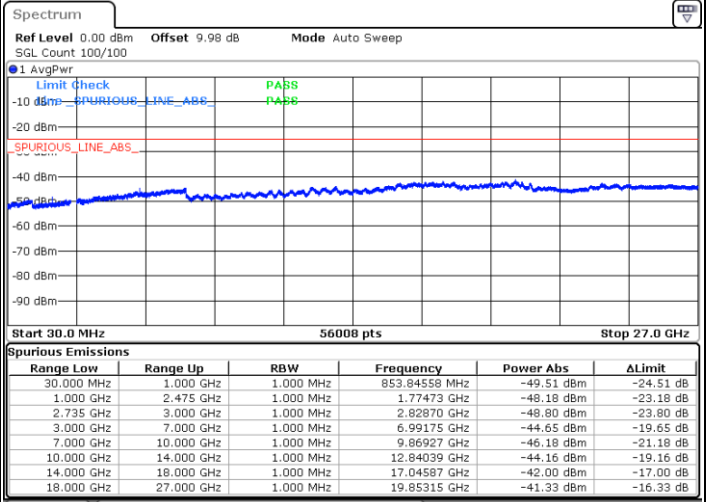
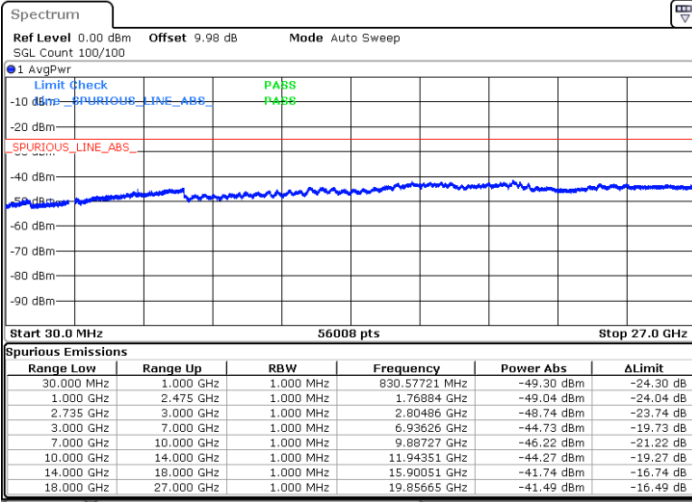
N/A



LTE Band 41 / 20MHz+15MHz

Middle Channel / QPSK

Middle Channel / 16QAM

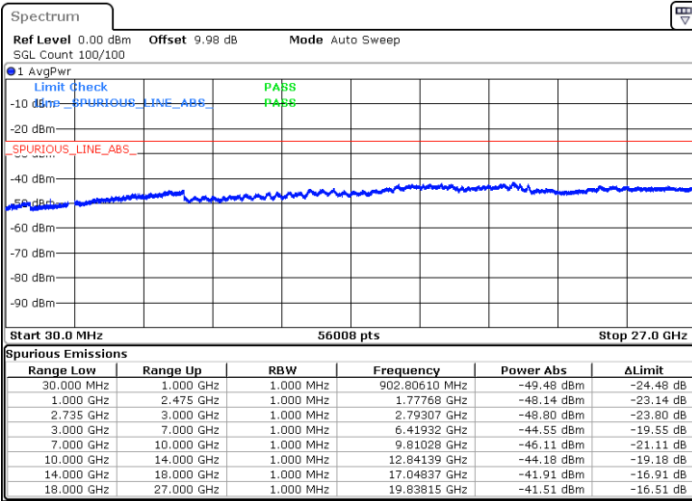


Date: 16.MAY.2020 15:11:23

Date: 16.MAY.2020 15:13:11

Middle Channel / 64QAM

N/A



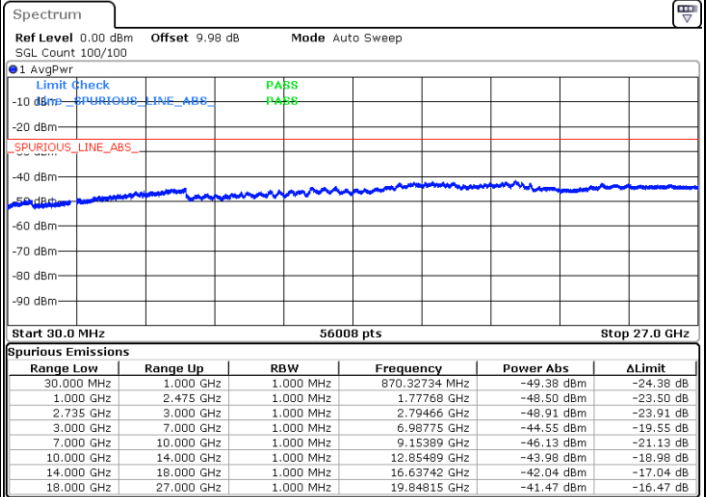
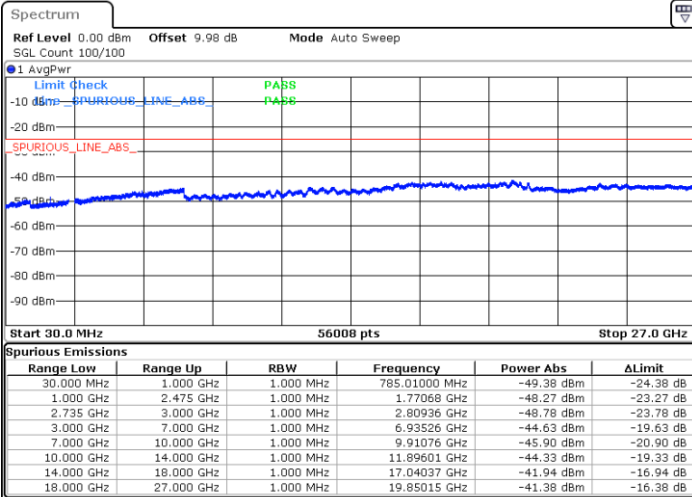
Date: 16.MAY.2020 15:14:17



LTE Band 41 / 20MHz+15MHz

Highest Channel / QPSK

Highest Channel / 16QAM

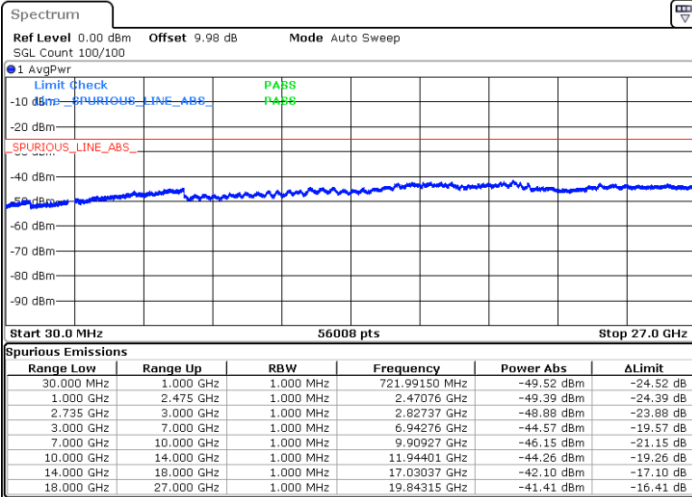


Date: 16.MAY.2020 15:20:12

Date: 16.MAY.2020 15:23:18

Highest Channel / 64QAM

N/A



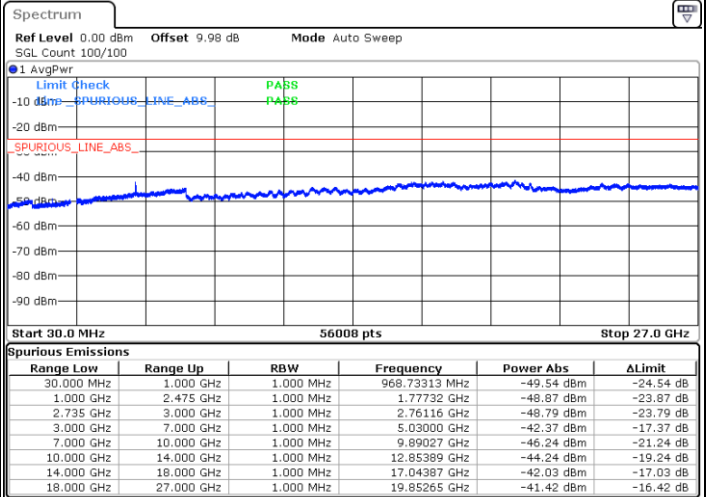
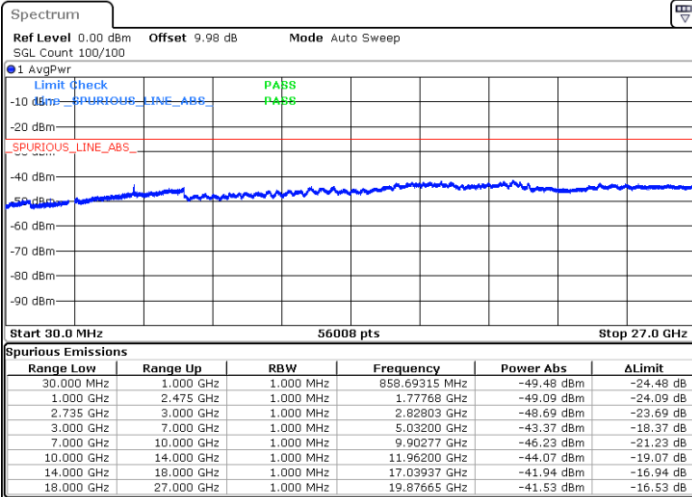
Date: 16.MAY.2020 15:25:16



LTE Band 41 / 20MHz+20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

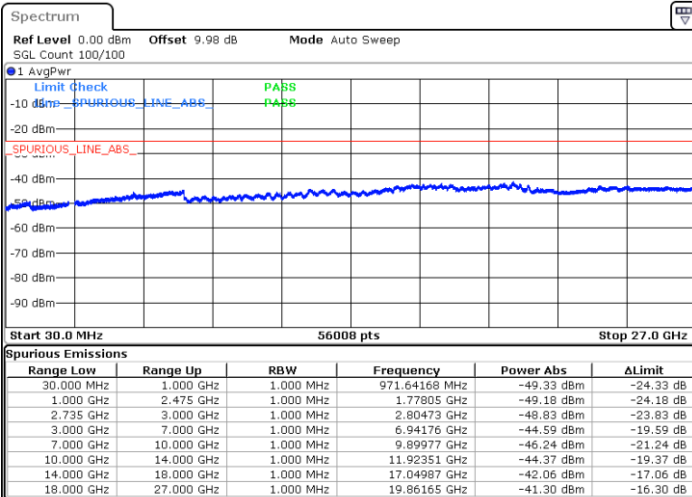


Date: 16.MAY.2020 15:31:13

Date: 16.MAY.2020 15:32:47

Lowest Channel / 64QAM

N/A



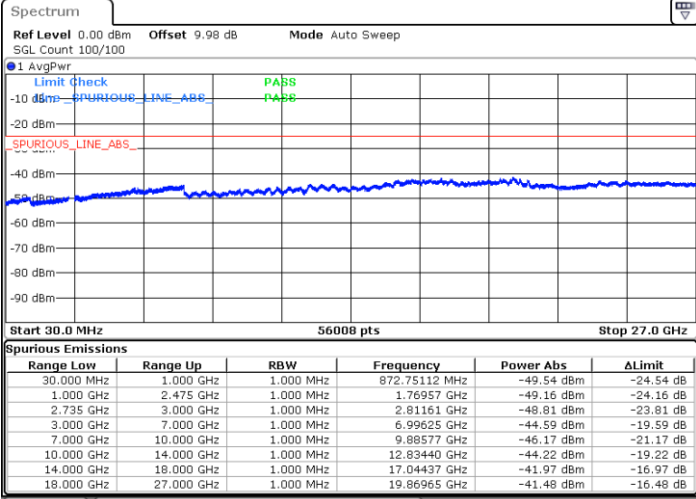
Date: 16.MAY.2020 15:34:26



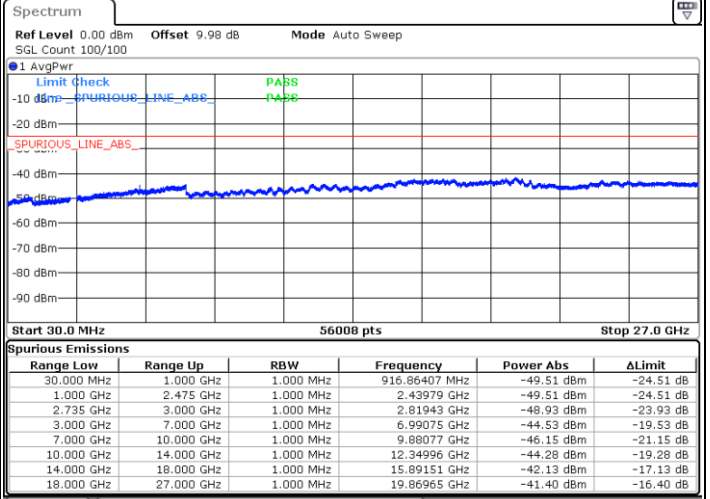
LTE Band 41 / 20MHz+20MHz

MiddleChannel / QPSK

Middle Channel / 16QAM



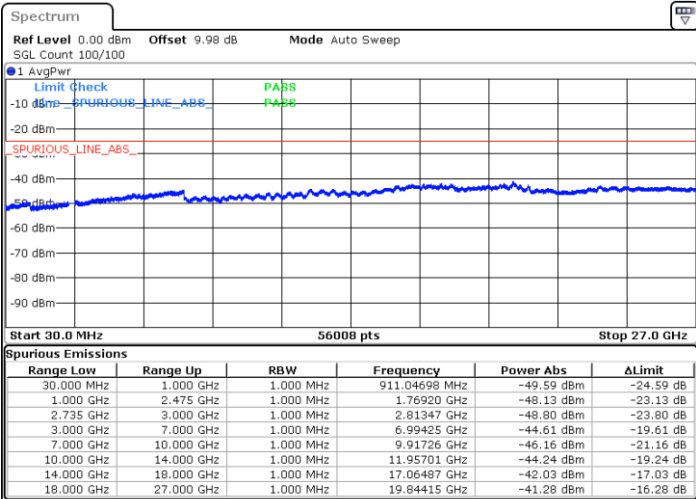
Date: 16.MAY.2020 15:40:52



Date: 16.MAY.2020 15:41:51

Middle Channel / 64QAM

N/A



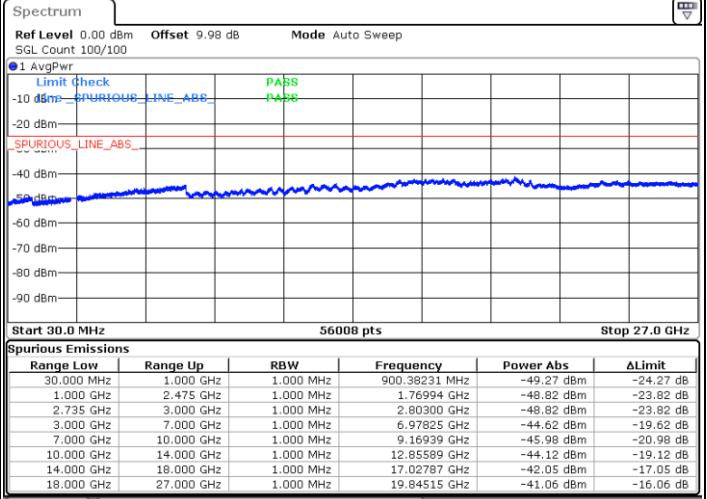
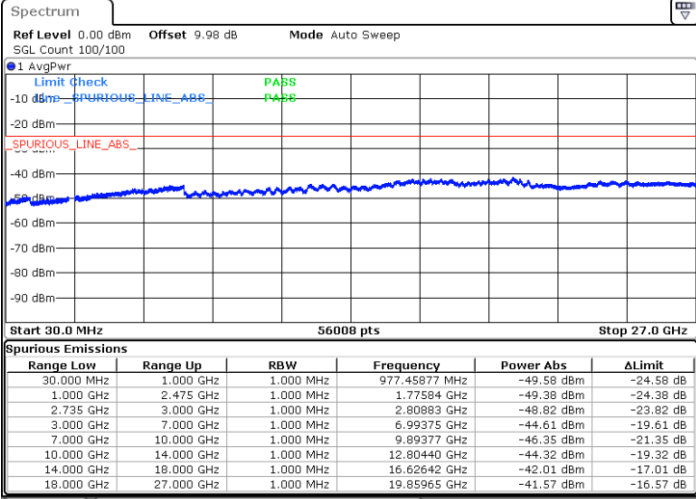
Date: 16.MAY.2020 15:43:15



LTE Band 41 / 20MHz+20MHz

Highest Channel / QPSK

Highest Channel / 16QAM

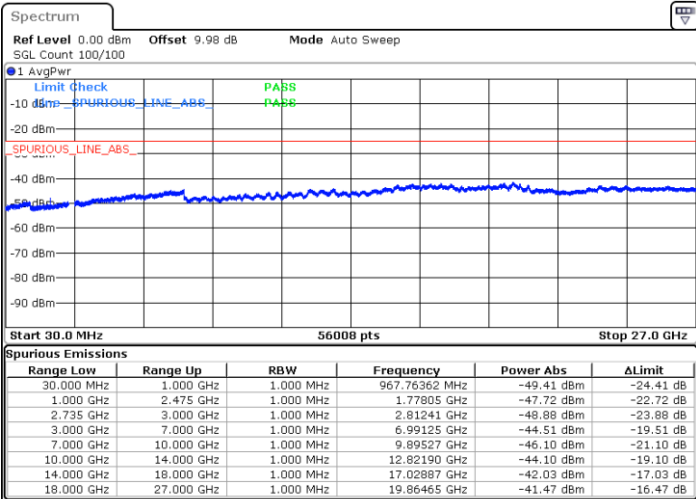


Date: 16.MAY.2020 15:51:29

Date: 16.MAY.2020 15:52:35

Highest Channel / 64QAM

N/A



Date: 16.MAY.2020 15:53:43



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.03	PASS
40	Normal Voltage	0.02	
30	Normal Voltage	0.01	
20(Ref.)	Normal Voltage	-0.01	
10	Normal Voltage	0.02	
0	Normal Voltage	-0.02	
-10	Normal Voltage	0.01	
-20	Normal Voltage	-0.02	
-30	Normal Voltage	0.01	
20	Maximum Voltage	0.01	
20	Normal Voltage	-0.02	
20	Battery End Point	0.02	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

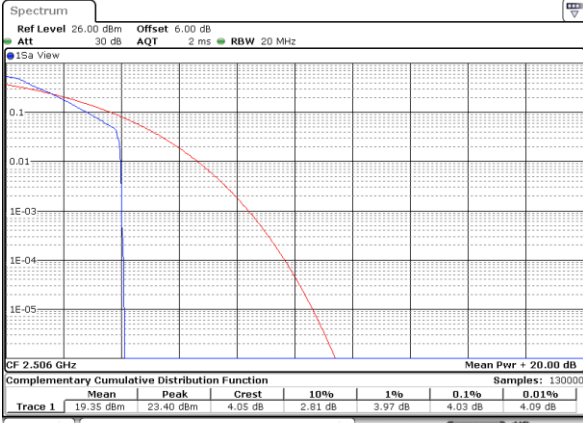
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.03	5.39	5.88	6.55	PASS
Middle CH	4.78	6.87	5.10	6.41	
Highest CH	6.61	6.99	4.90	6.93	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.43	6.38	-	-	PASS
Middle CH	6.99	6.67	-	-	
Highest CH	6.99	6.99	-	-	



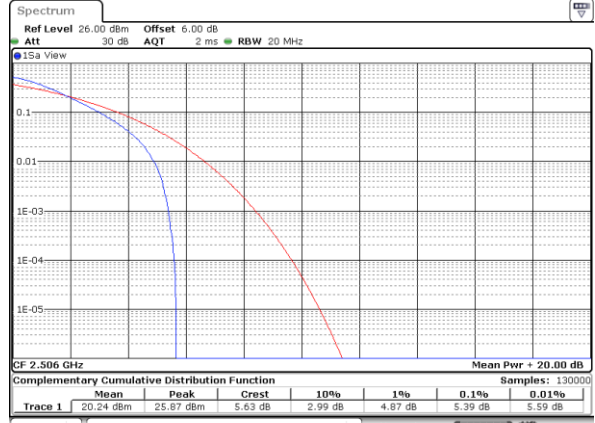
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



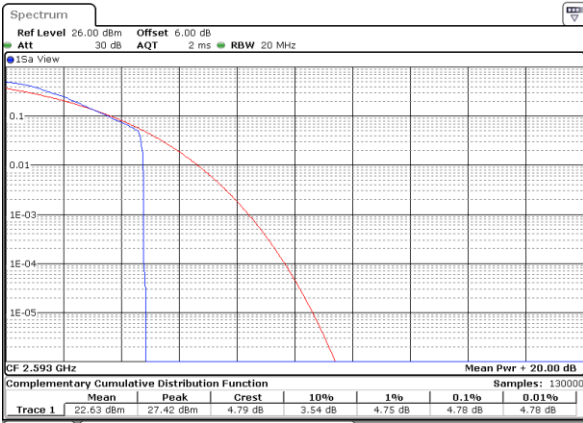
Date: 21 MAY 2020 20:01:47

Lowest Channel / Full RB



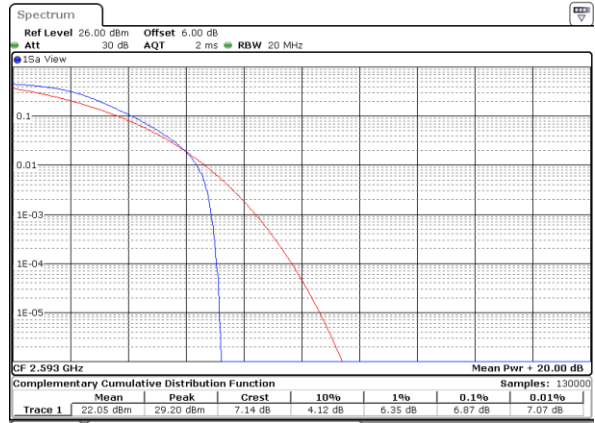
Date: 21 MAY 2020 20:02:00

Middle Channel / 1RB



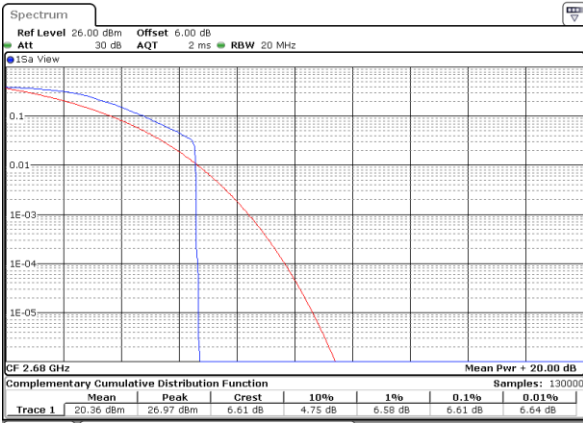
Date: 21 MAY 2020 20:02:14

Middle Channel / Full RB



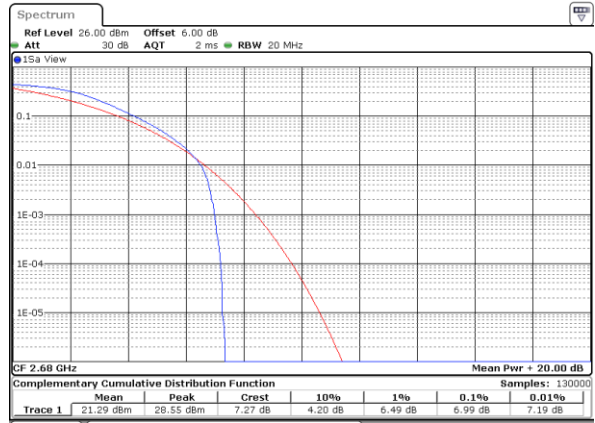
Date: 21 MAY 2020 20:02:27

Highest Channel / 1RB



Date: 21 MAY 2020 20:02:38

Highest Channel / Full RB

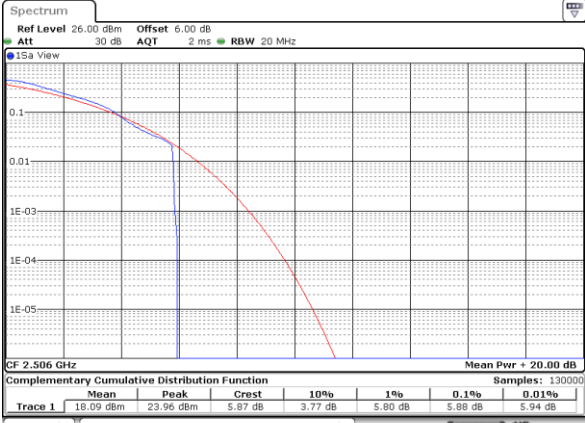


Date: 21 MAY 2020 20:02:48



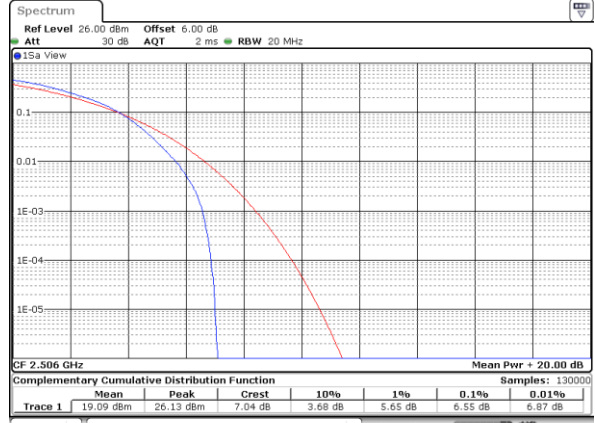
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



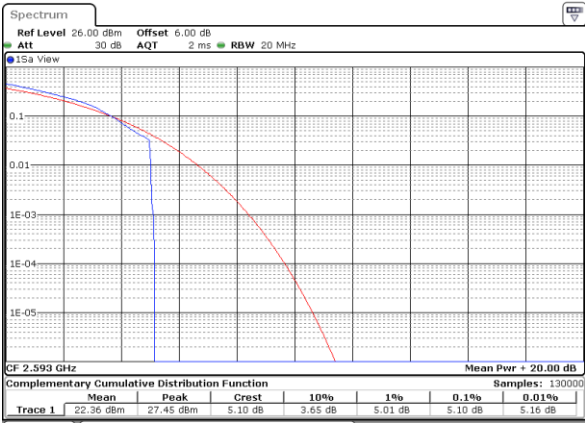
Date: 21 MAY 2020 19:59:41

Lowest Channel / Full RB



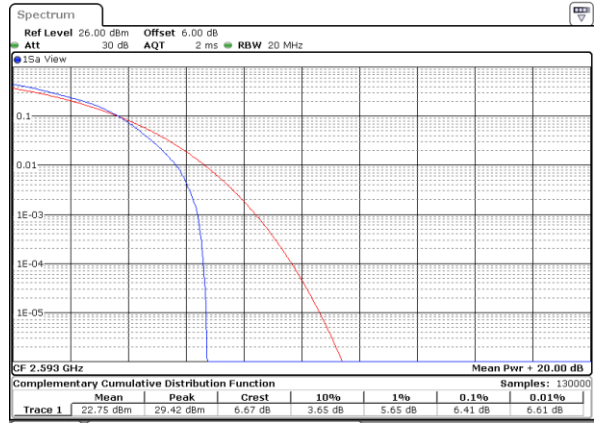
Date: 21 MAY 2020 20:00:07

Middle Channel / 1RB



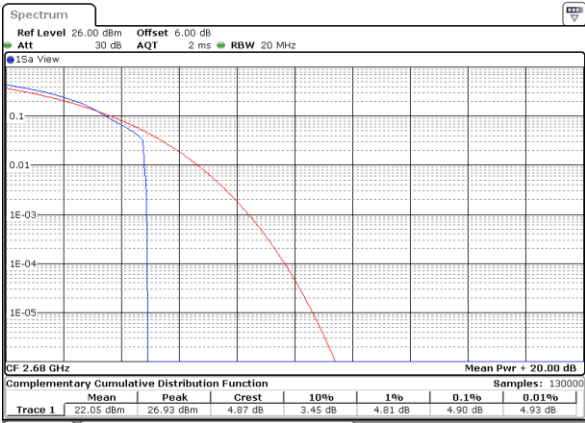
Date: 21 MAY 2020 20:00:42

Middle Channel / Full RB



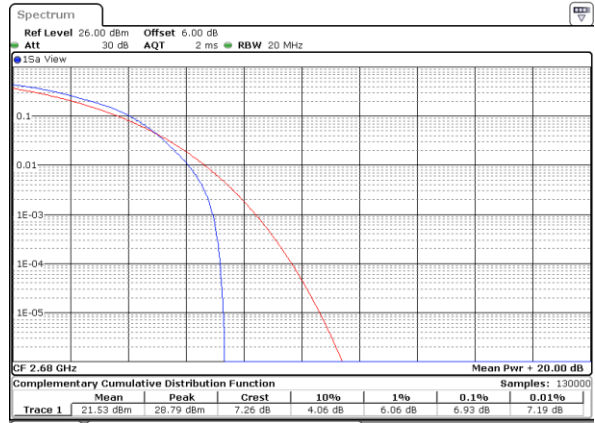
Date: 21 MAY 2020 20:00:52

Highest Channel / 1RB



Date: 21 MAY 2020 20:01:15

Highest Channel / Full RB

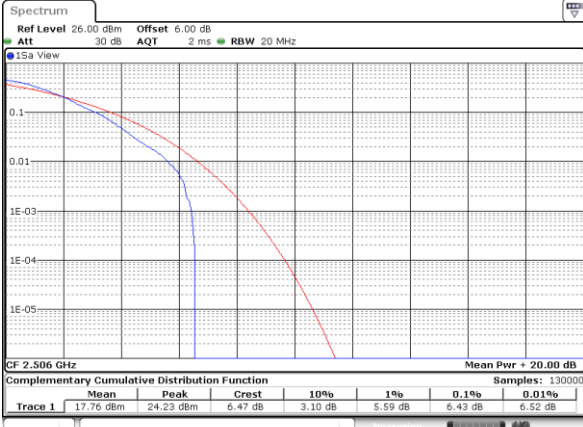


Date: 21 MAY 2020 20:01:32



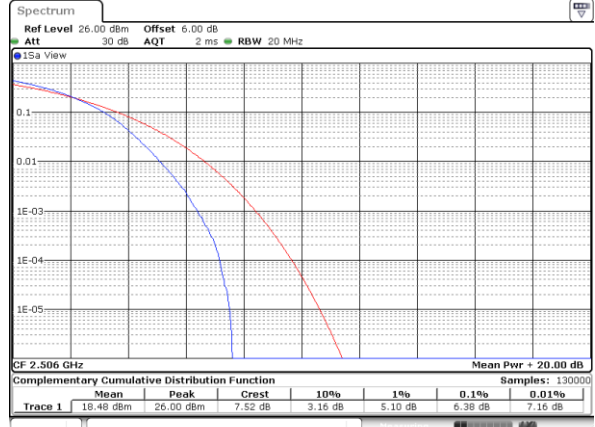
LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



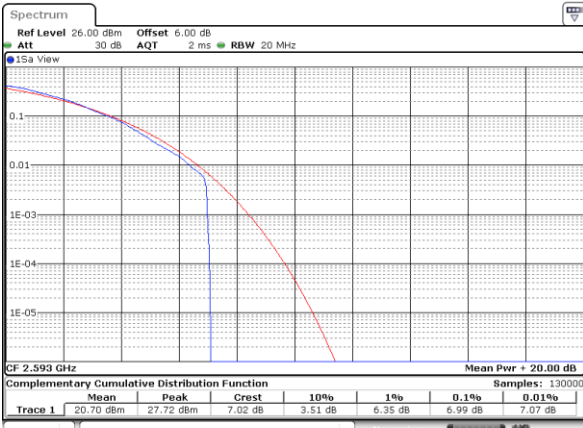
Date: 22 MAY 2020 11:07:25

Lowest Channel / Full RB



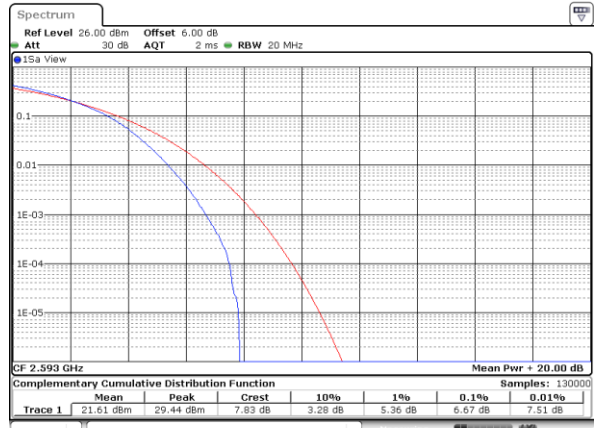
Date: 22 MAY 2020 11:07:07

Middle Channel / 1RB



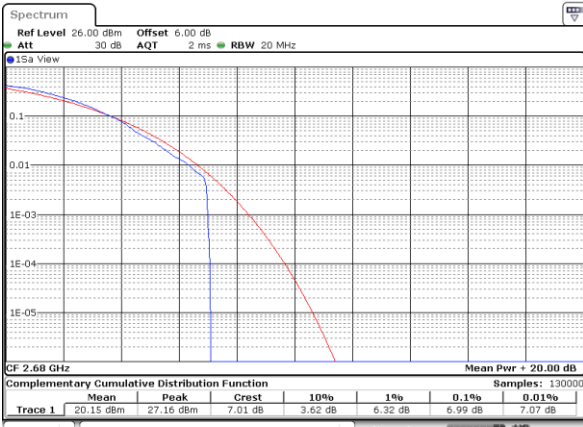
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Middle Channel / Full RB



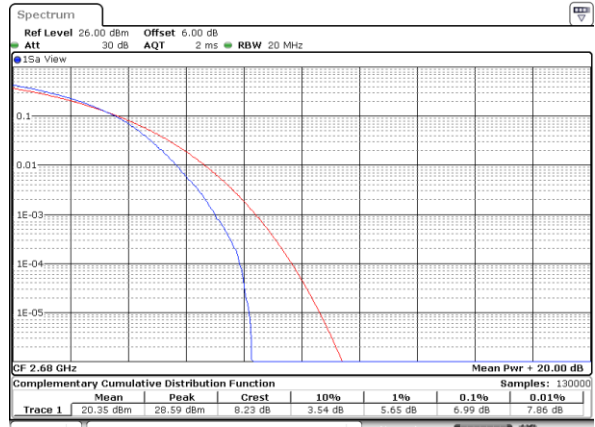
Date: 22 MAY 2020 11:12:07

Highest Channel / 1RB



Date: 22 MAY 2020 11:12:38

Highest Channel / Full RB



Date: 22 MAY 2020 11:12:26



26dB Bandwidth

Mode	LTE Band 41 : 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	-	-	-	-	4.87	4.92	9.87	9.73	14.15	14.54	20.18	20.06
Middle CH	-	-	-	-	4.88	4.95	9.63	9.75	14.30	14.21	20.22	20.22
Highest CH	-	-	-	-	4.93	4.83	9.73	9.67	14.33	14.27	20.02	20.22
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.91	-	9.75	-	14.39	-	20.06	-
Middle CH	-	-	-	-	4.78	-	9.71	-	14.15	-	20.18	-
Highest CH	-	-	-	-	4.76	-	9.69	-	14.18	-	19.98	-