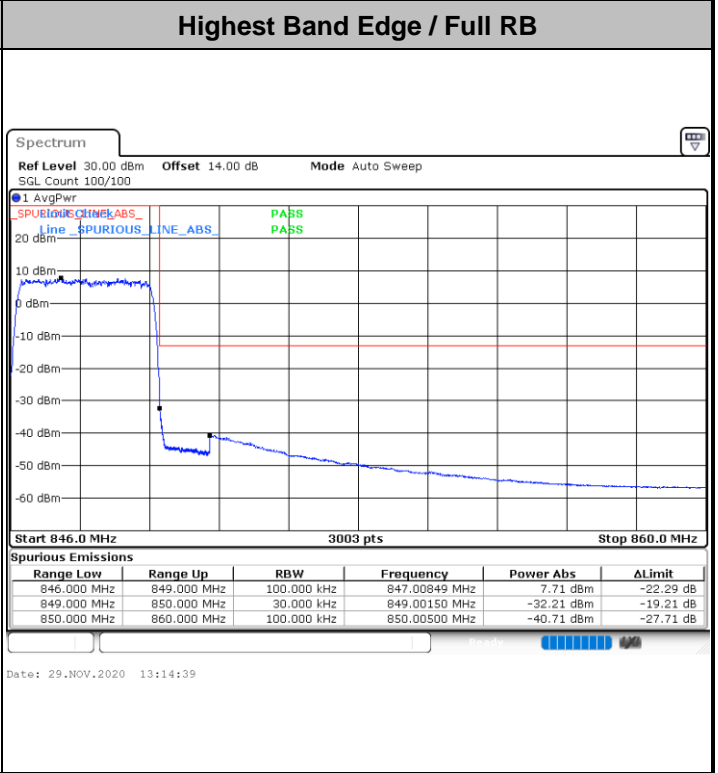
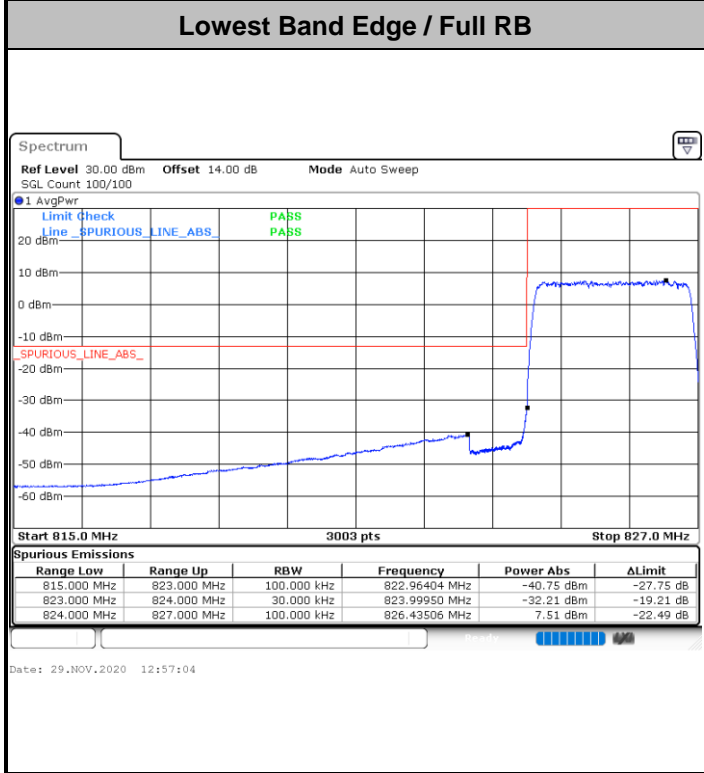
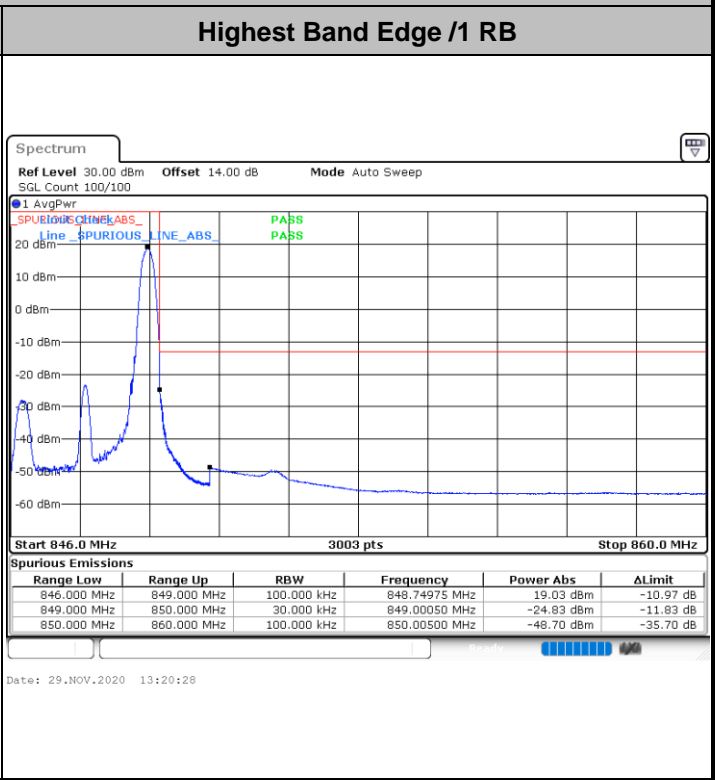
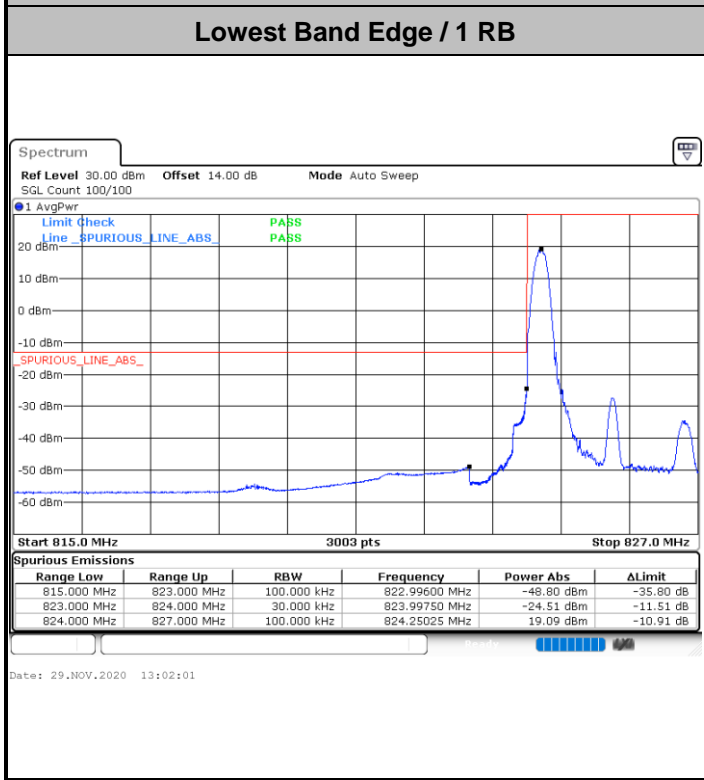




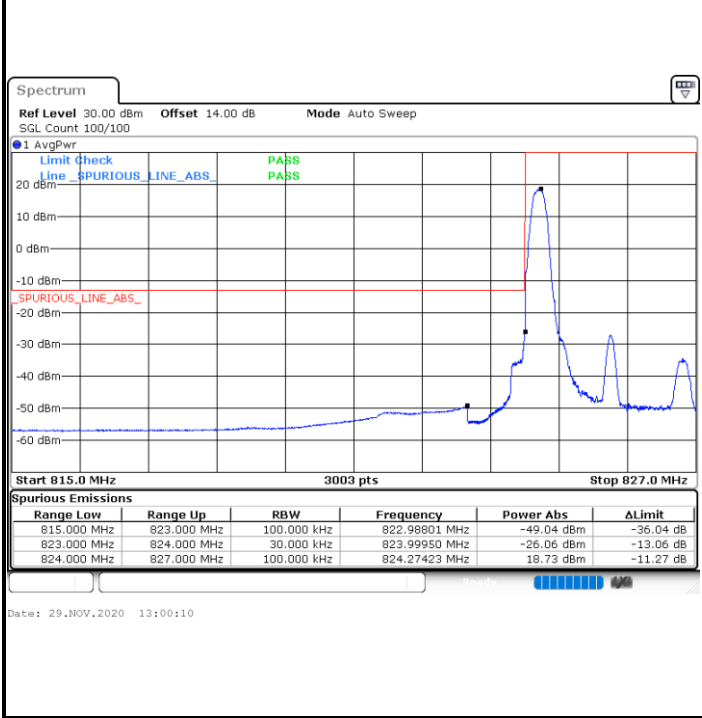
LTE Band 5 / 3MHz / 16QAM



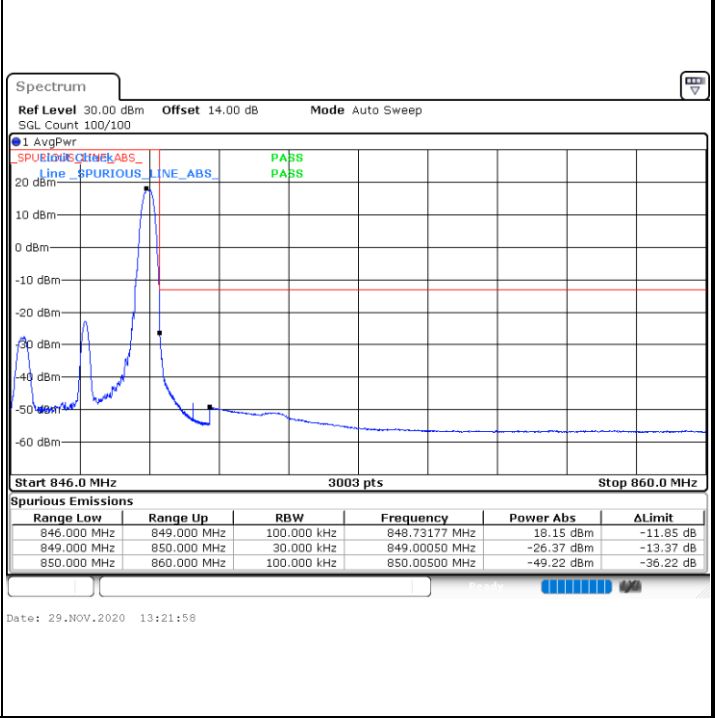


LTE Band 5 / 3MHz / 64QAM

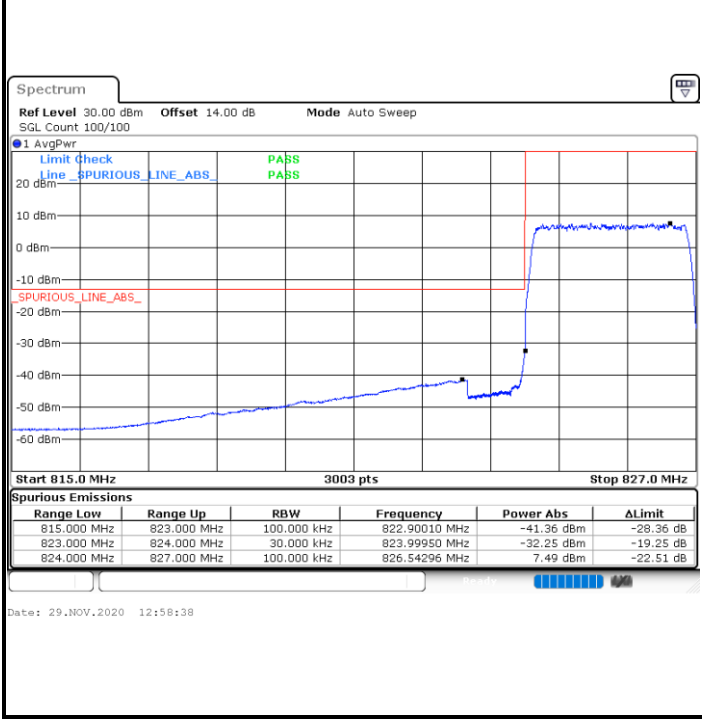
Lowest Band Edge / 1 RB



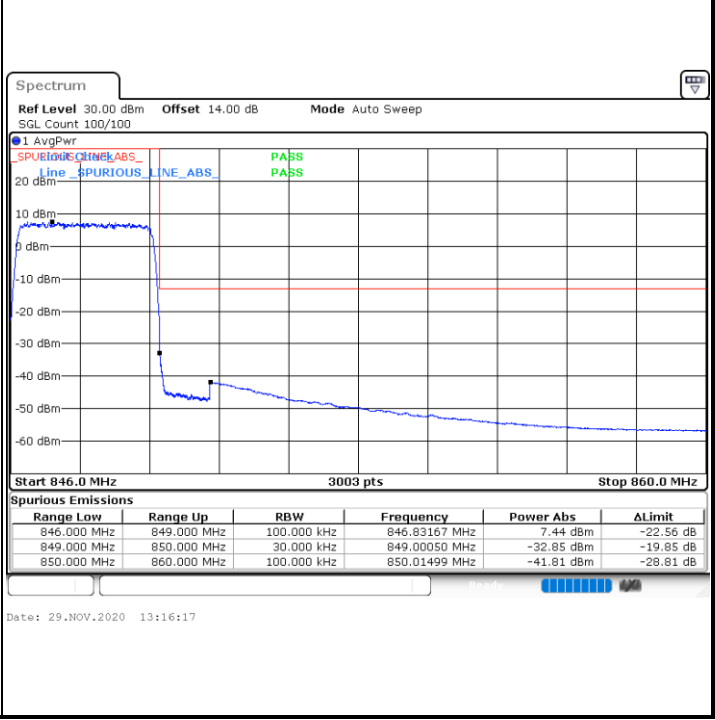
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



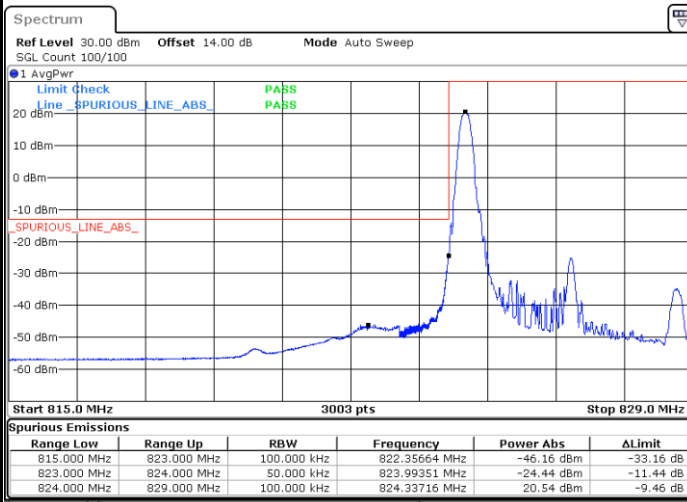
Highest Band Edge / Full RB





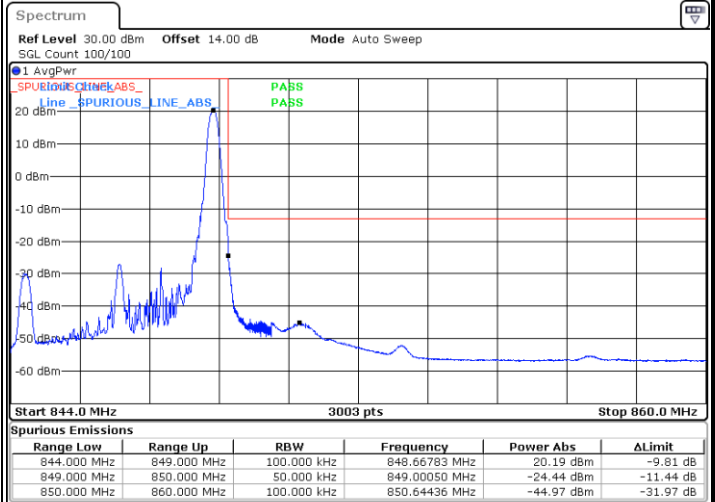
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



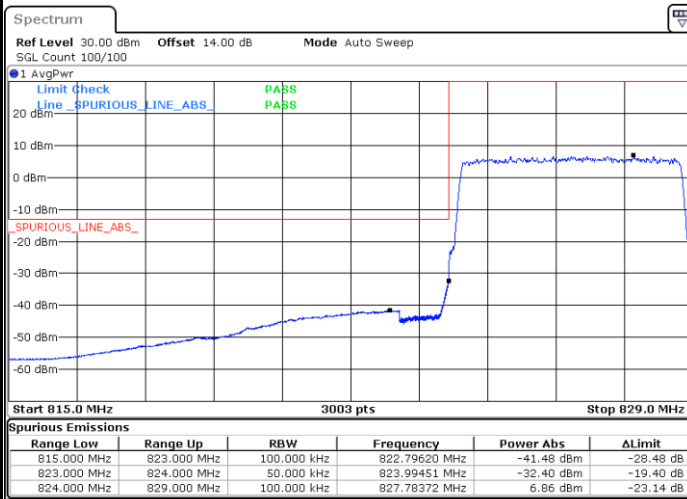
Date: 29.NOV.2020 13:31:26

Highest Band Edge / 1 RB



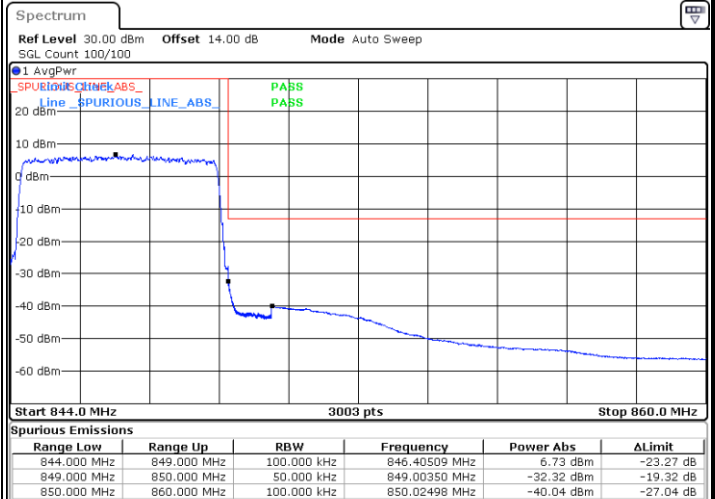
Date: 29.NOV.2020 14:07:08

Lowest Band Edge / Full RB



Date: 29.NOV.2020 13:23:48

Highest Band Edge / Full RB

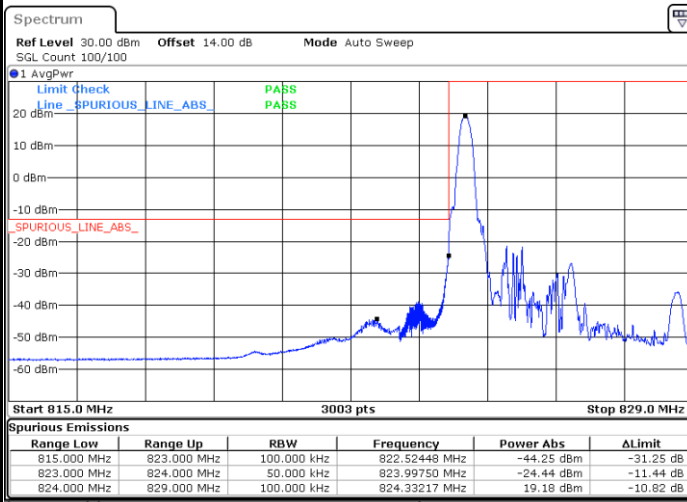


Date: 29.NOV.2020 14:01:03



LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



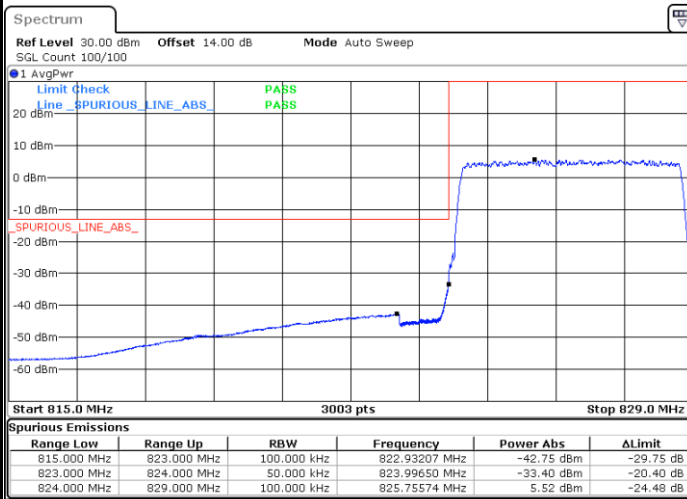
Date: 29.NOV.2020 13:33:16

Highest Band Edge / 1 RB



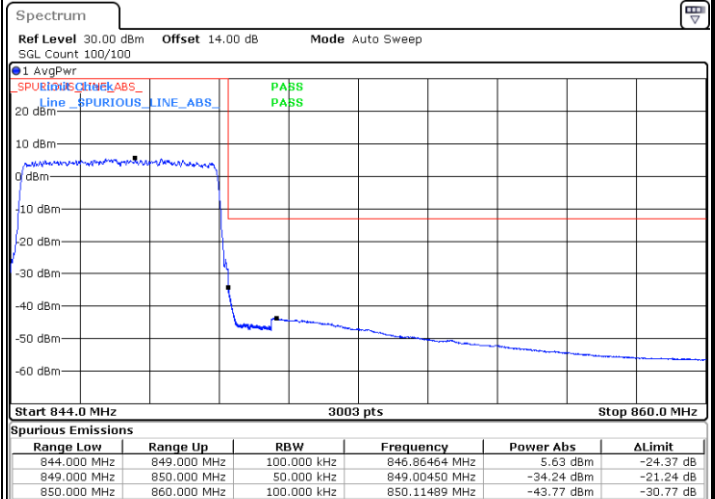
Date: 29.NOV.2020 14:06:17

Lowest Band Edge / Full RB



Date: 29.NOV.2020 13:25:34

Highest Band Edge / Full RB

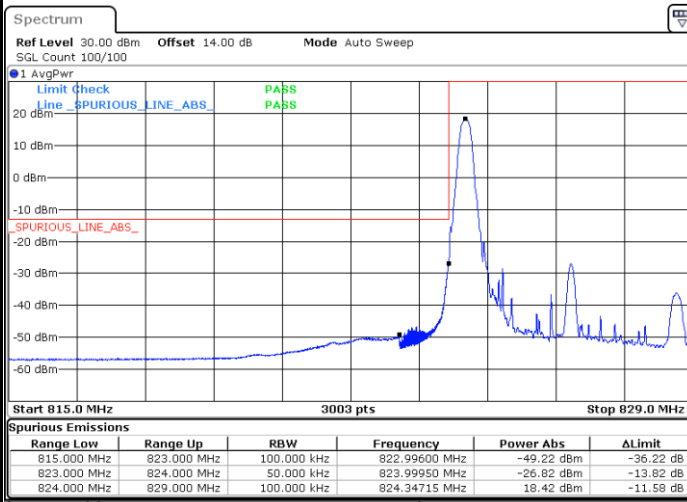


Date: 29.NOV.2020 13:58:33



LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



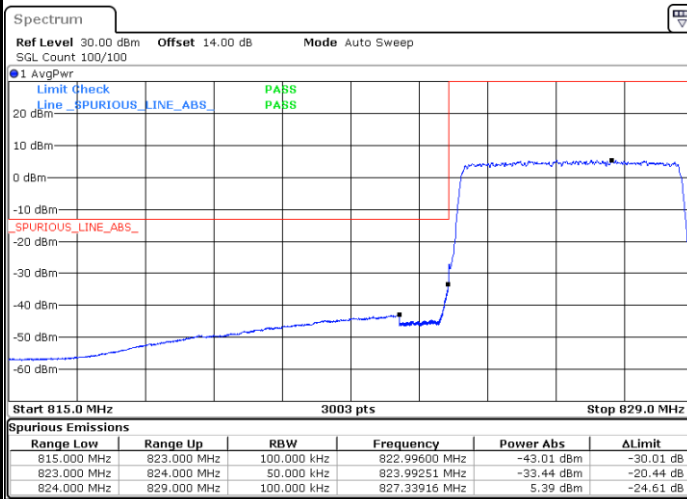
Date: 29.NOV.2020 13:34:56

Highest Band Edge / 1 RB



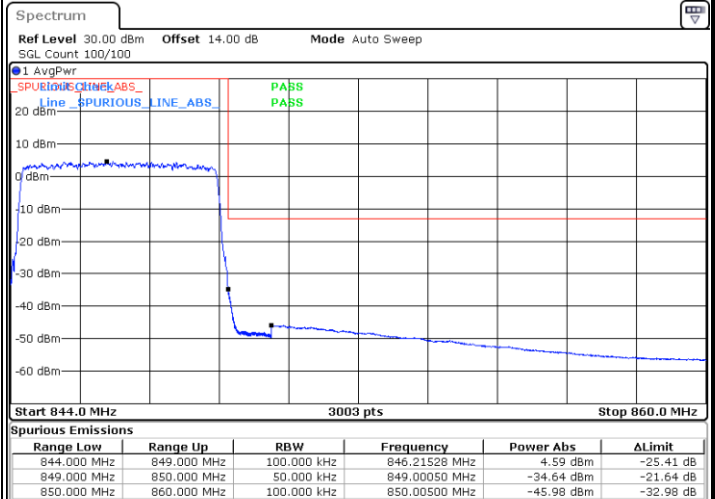
Date: 29.NOV.2020 14:05:15

Lowest Band Edge / Full RB



Date: 29.NOV.2020 13:27:20

Highest Band Edge / Full RB

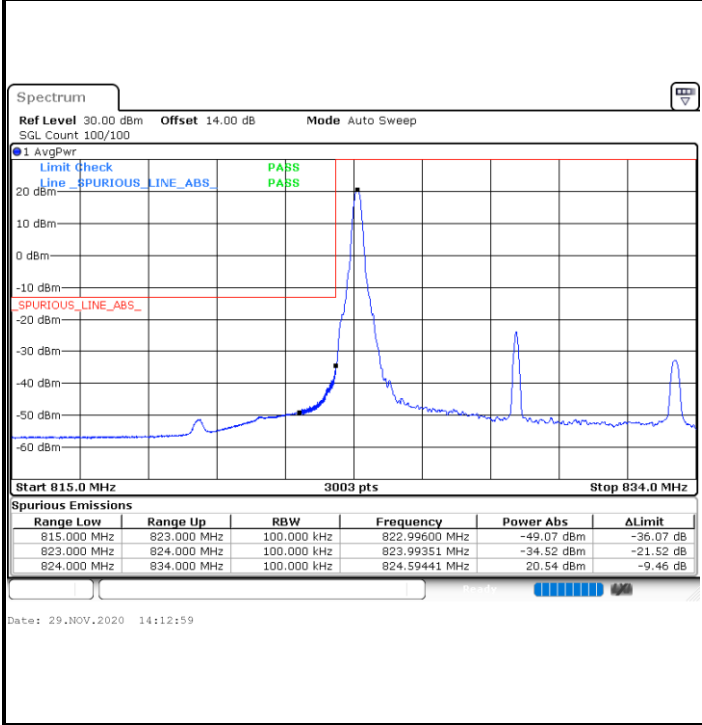


Date: 29.NOV.2020 13:56:58

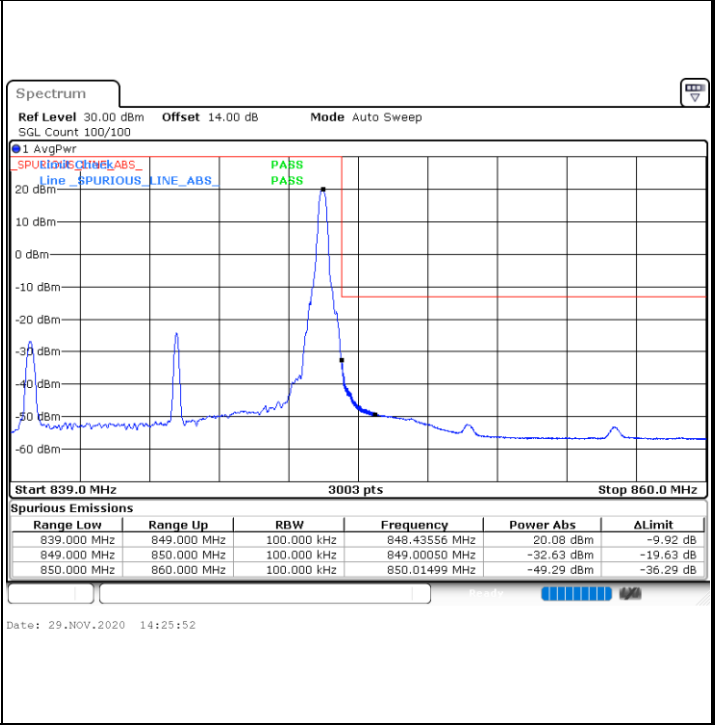


LTE Band 5 / 10MHz / QPSK

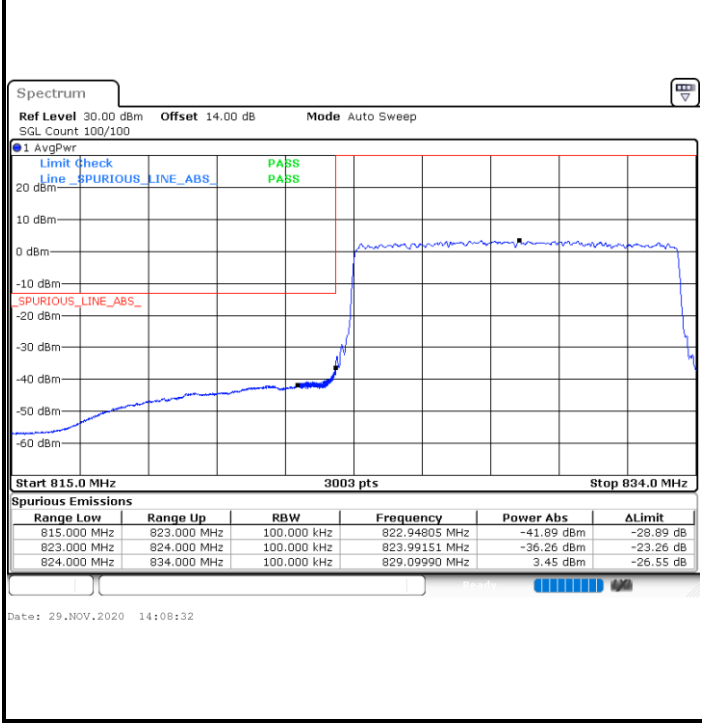
Lowest Band Edge / 1 RB



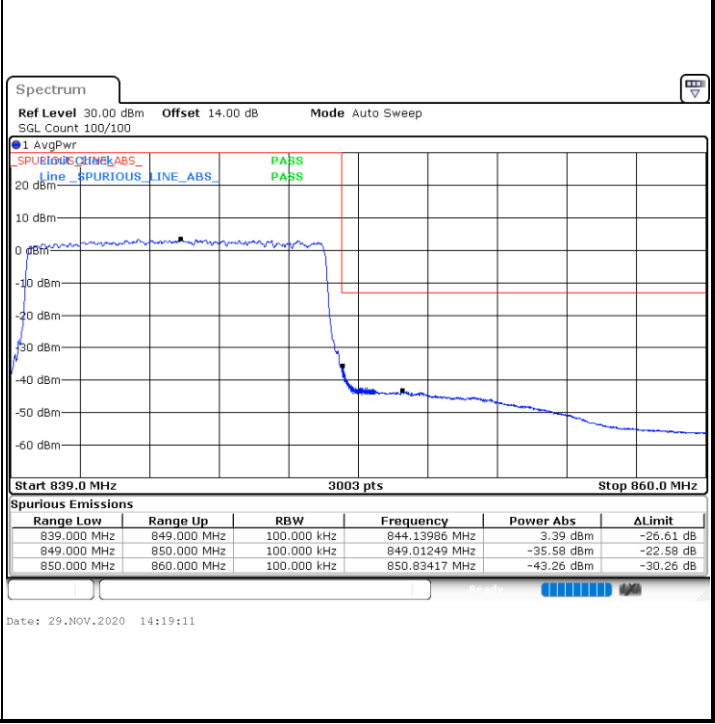
Highest Band Edge / 1 RB

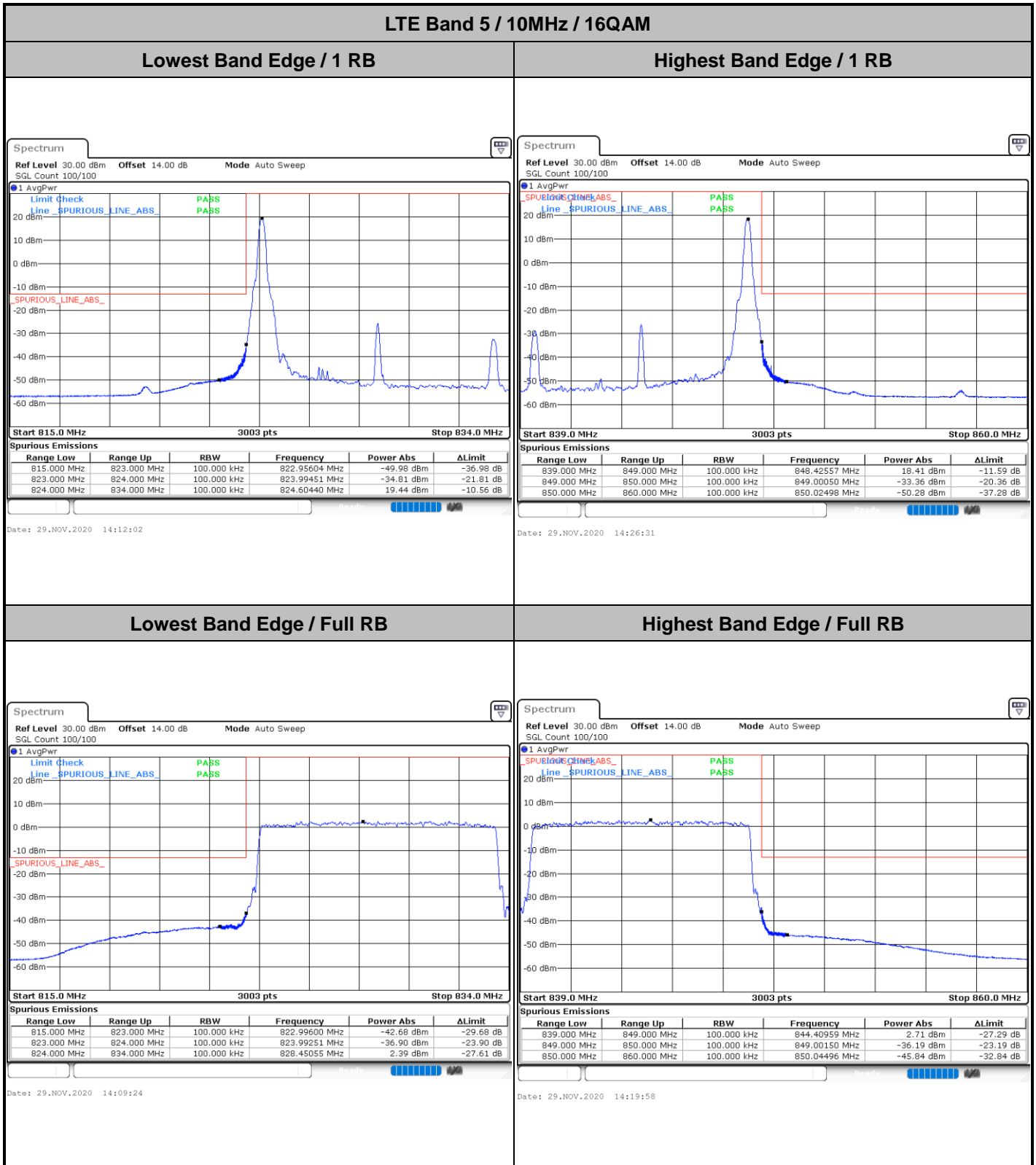


Lowest Band Edge / Full RB



Highest Band Edge / Full RB

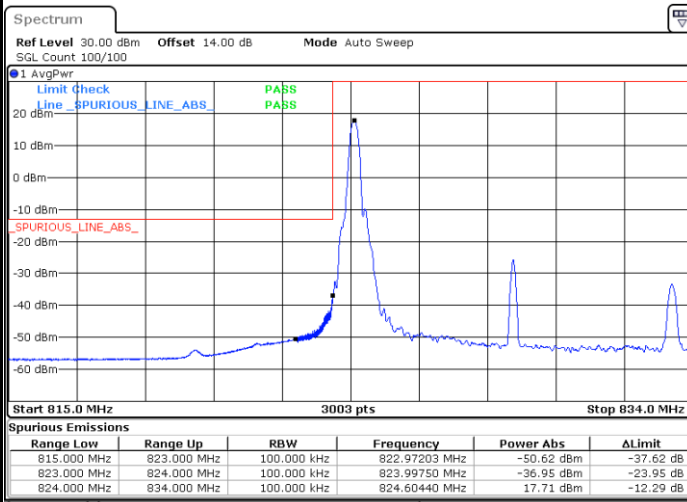






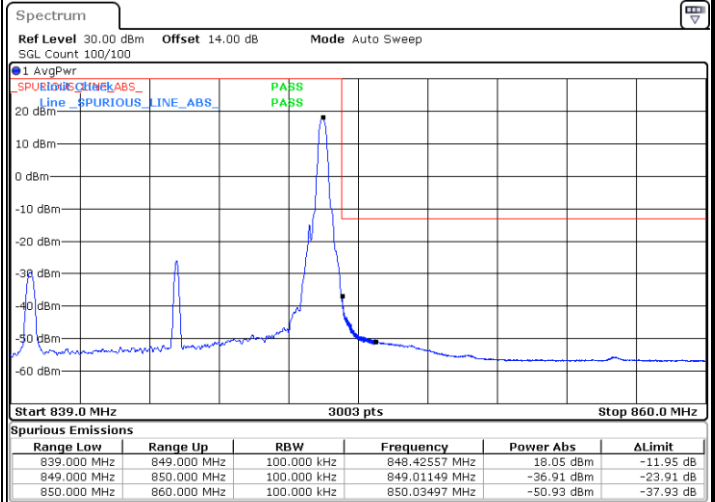
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



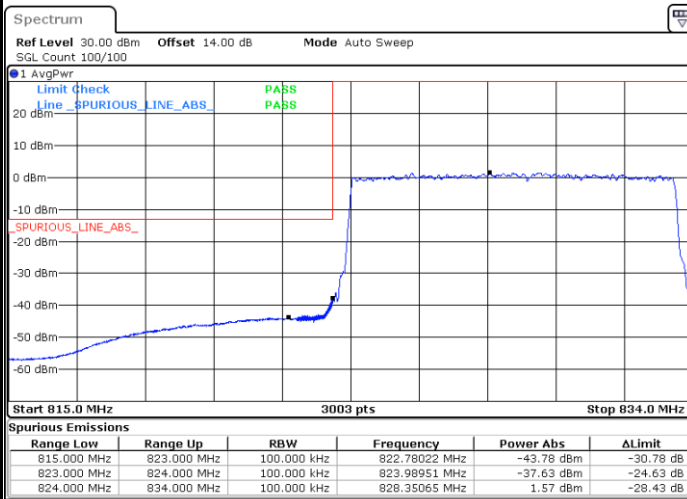
Date: 29.NOV.2020 14:11:05

Highest Band Edge / 1 RB



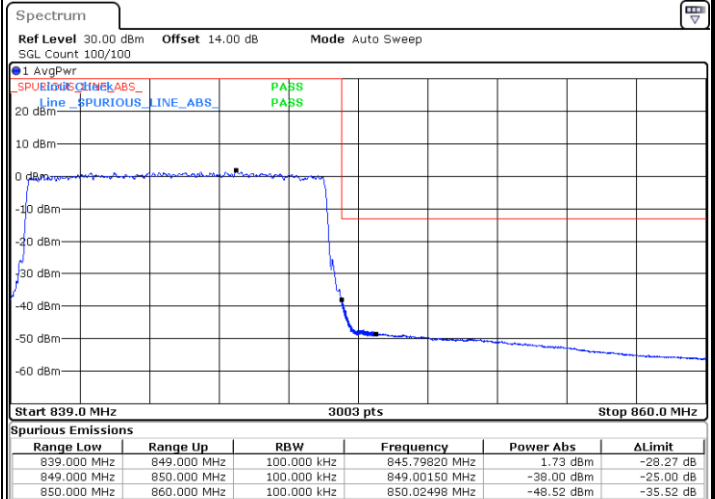
Date: 29.NOV.2020 14:27:20

Lowest Band Edge / Full RB



Date: 29.NOV.2020 14:10:08

Highest Band Edge / Full RB

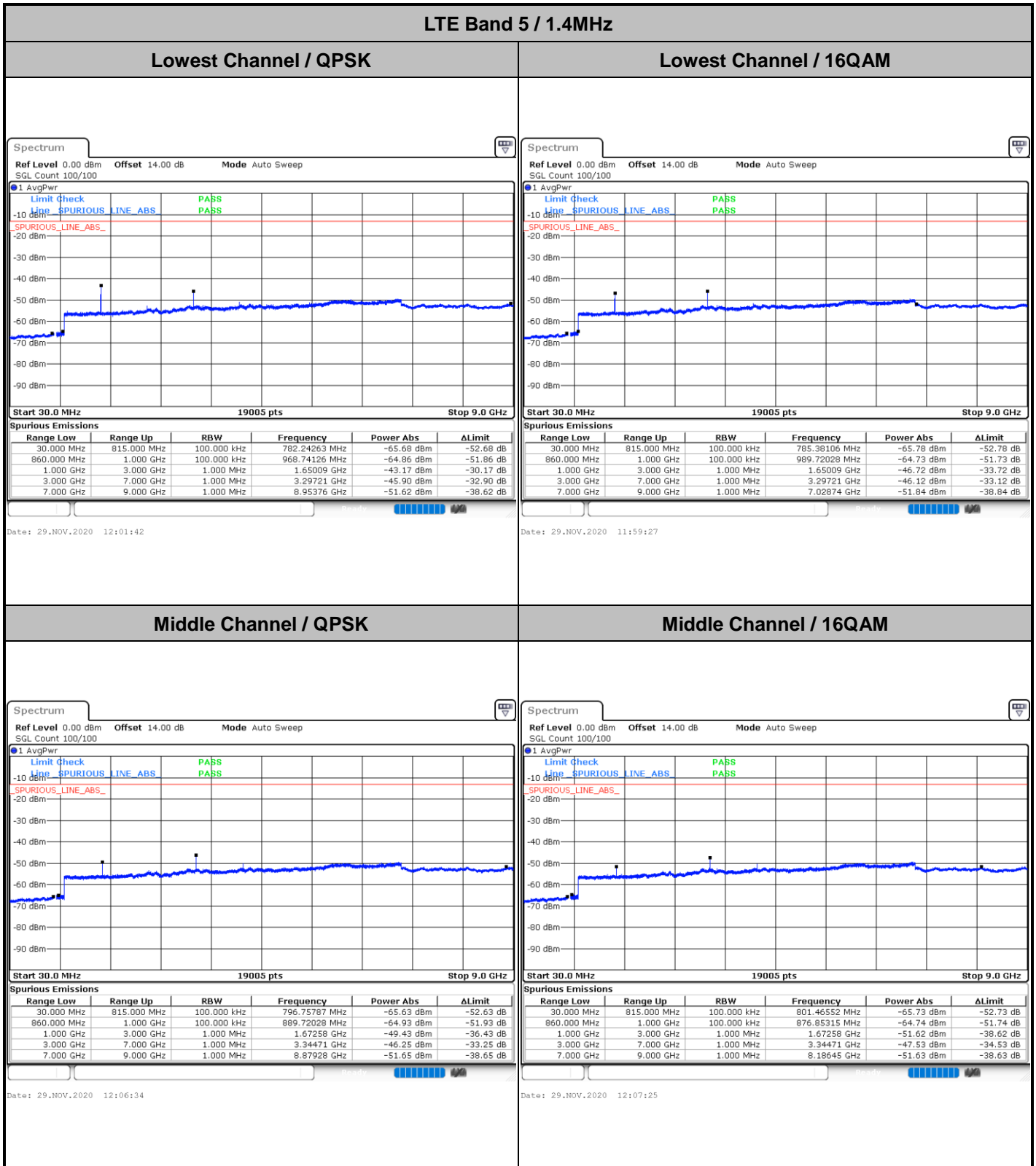


Date: 29.NOV.2020 14:21:08





# Conducted Spurious Emission

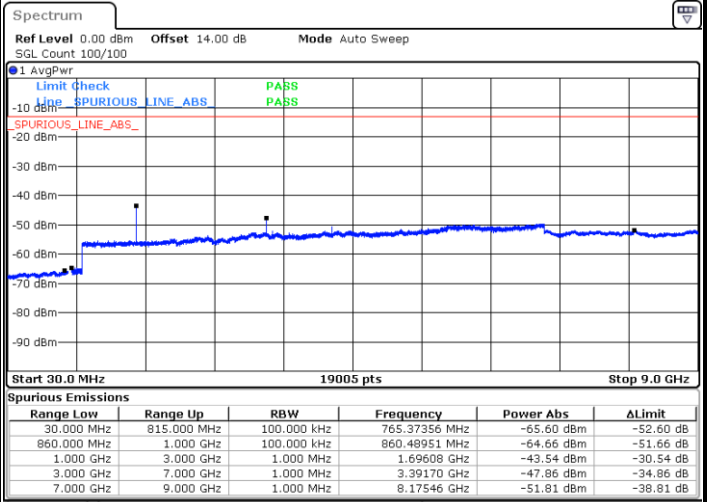
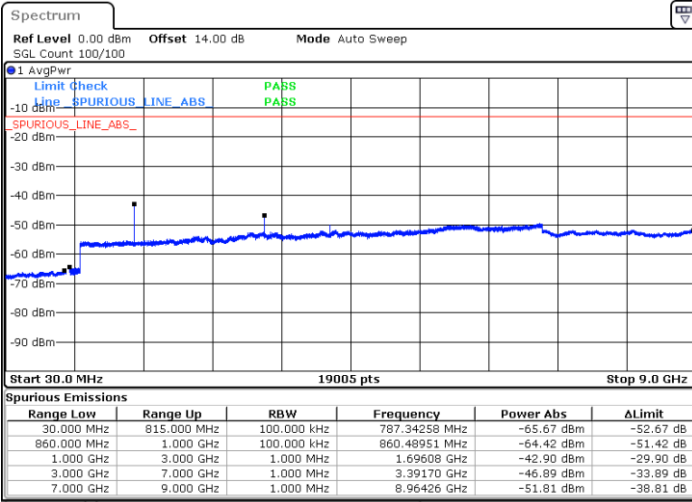




LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



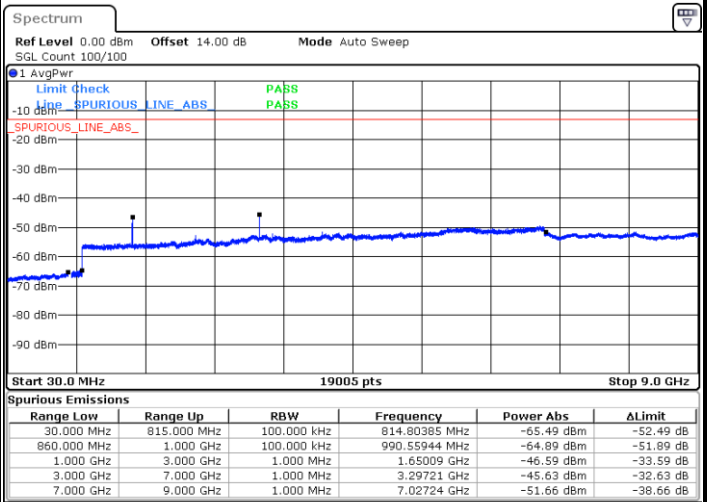
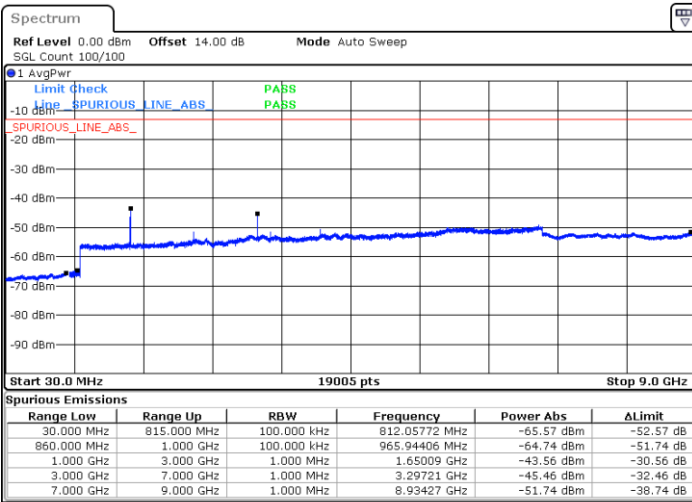
Date: 29.NOV.2020 12:49:46

Date: 29.NOV.2020 12:50:15

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 29.NOV.2020 13:07:35

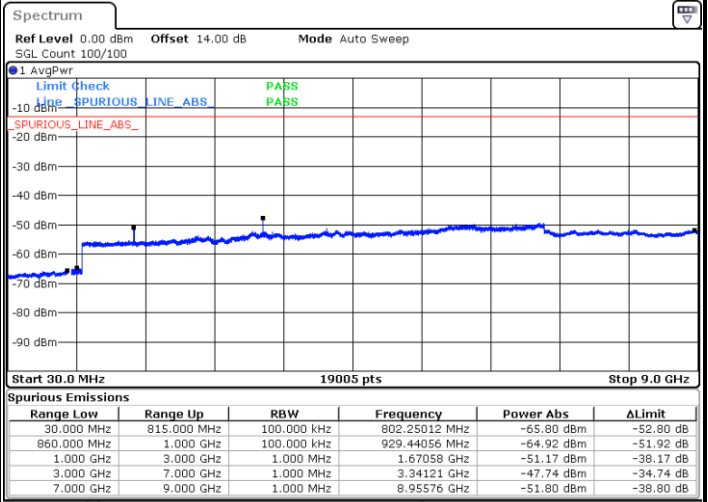
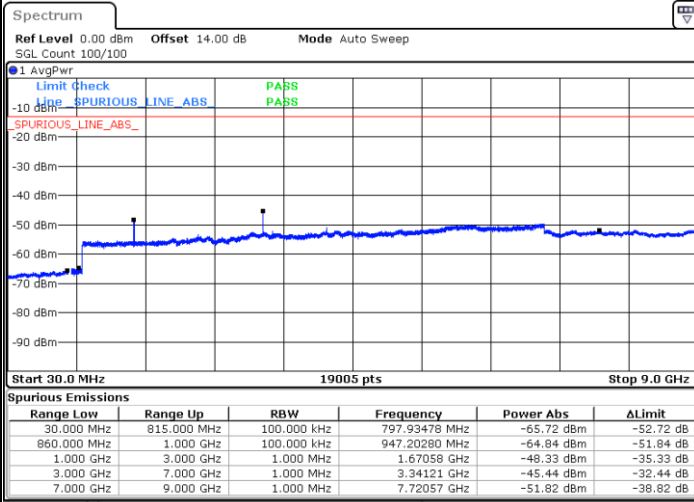
Date: 29.NOV.2020 13:02:39



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

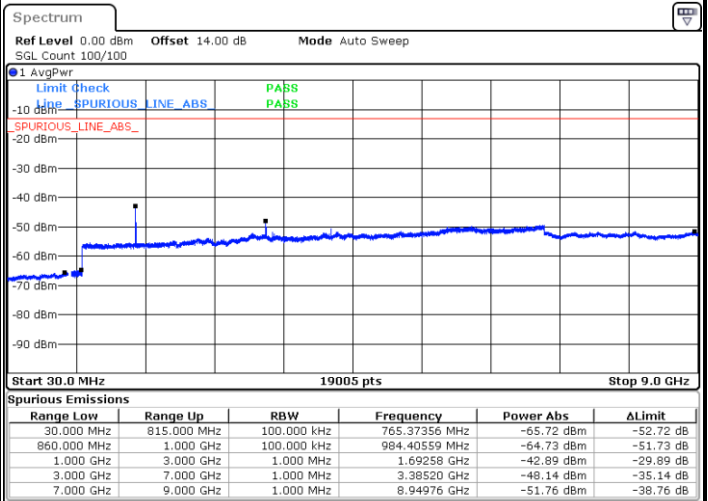
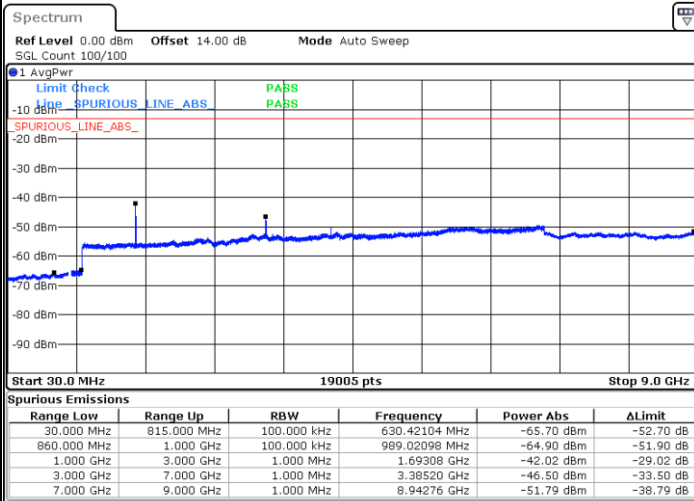


Date: 29.NOV.2020 13:08:18

Date: 29.NOV.2020 13:08:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29.NOV.2020 13:10:06

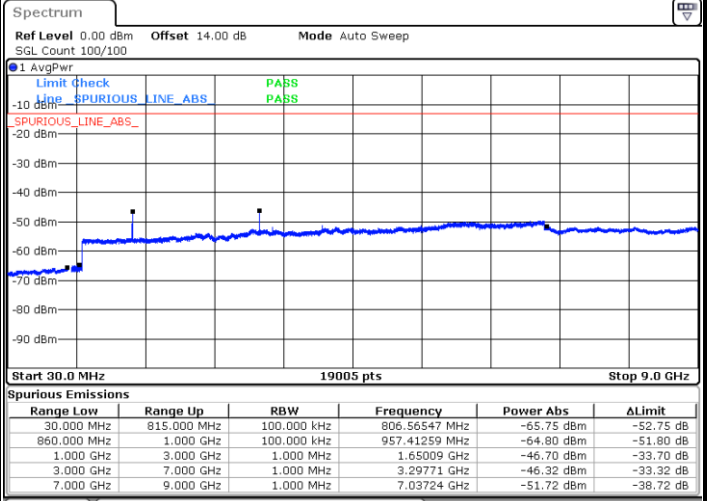
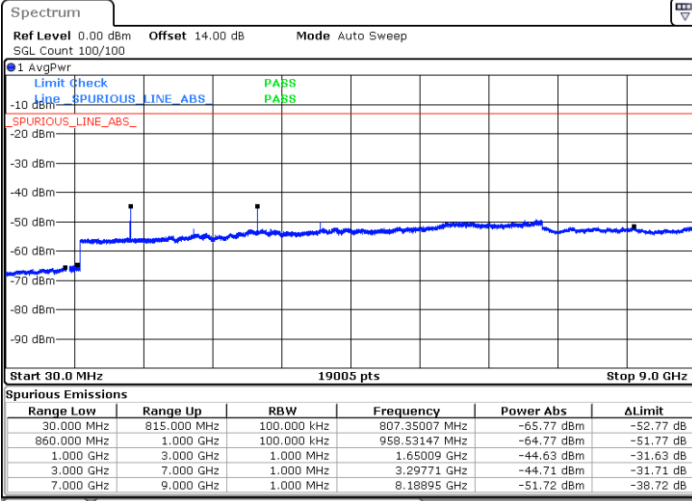
Date: 29.NOV.2020 13:17:29



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

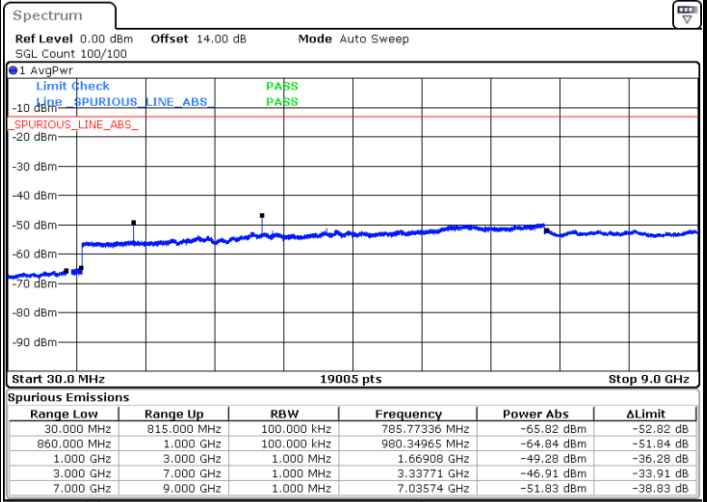
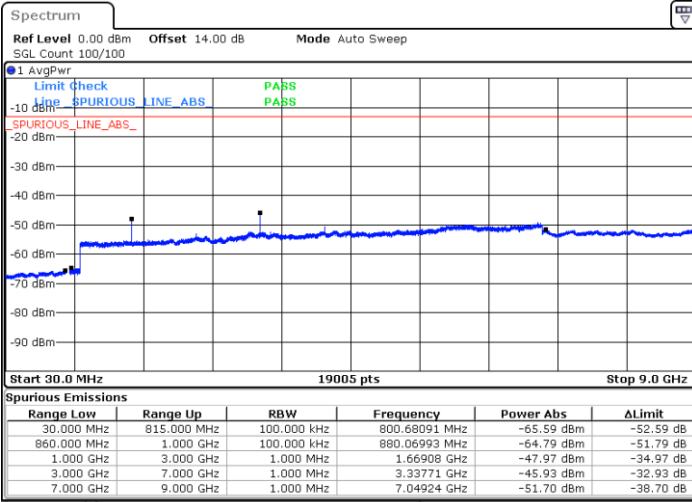


Date: 29.NOV.2020 13:29:31

Date: 29.NOV.2020 13:28:53

Middle Channel / QPSK

Middle Channel / 16QAM



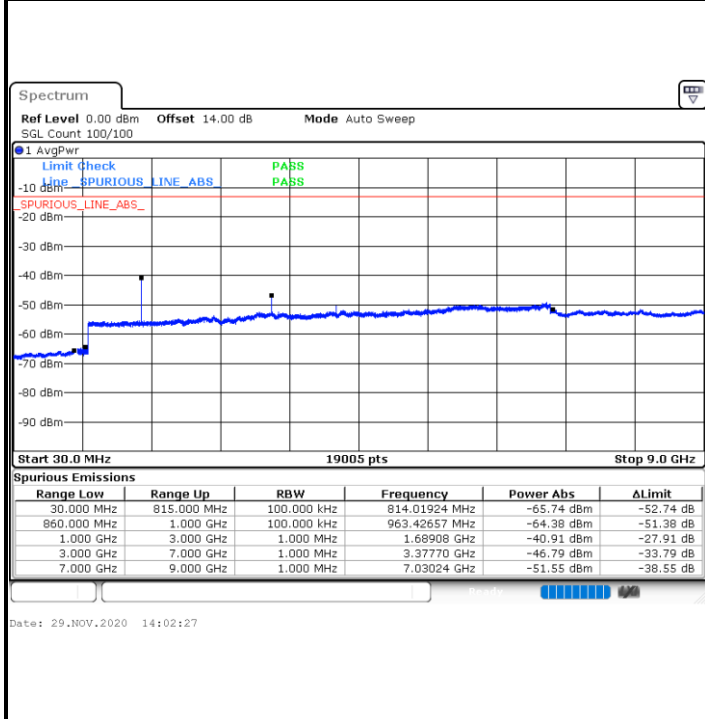
Date: 29.NOV.2020 13:40:36

Date: 29.NOV.2020 13:38:50

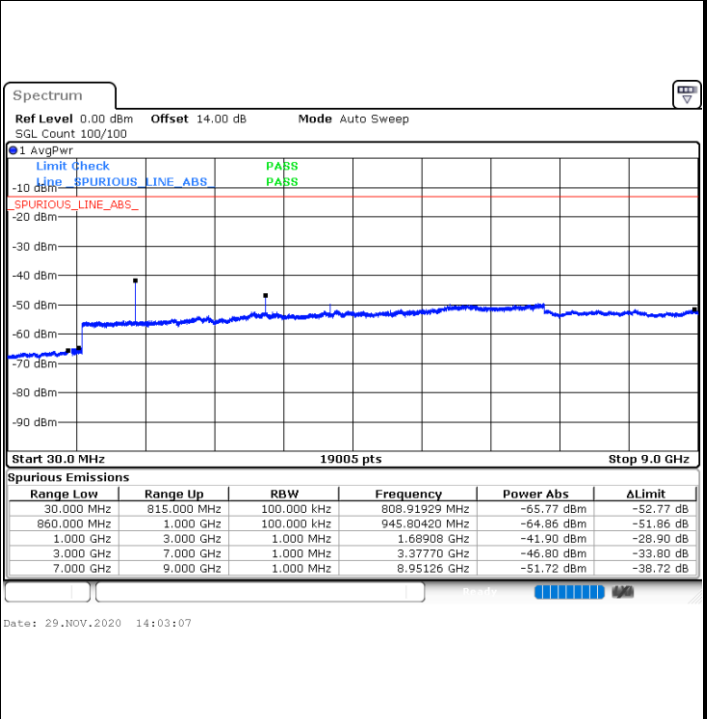


LTE Band 5 / 5MHz

Highest Channel / QPSK

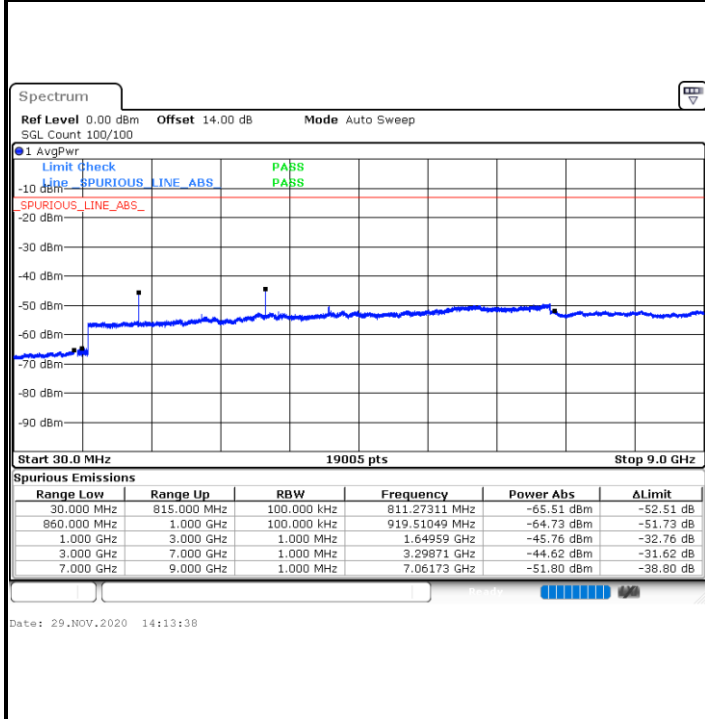


Highest Channel / 16QAM

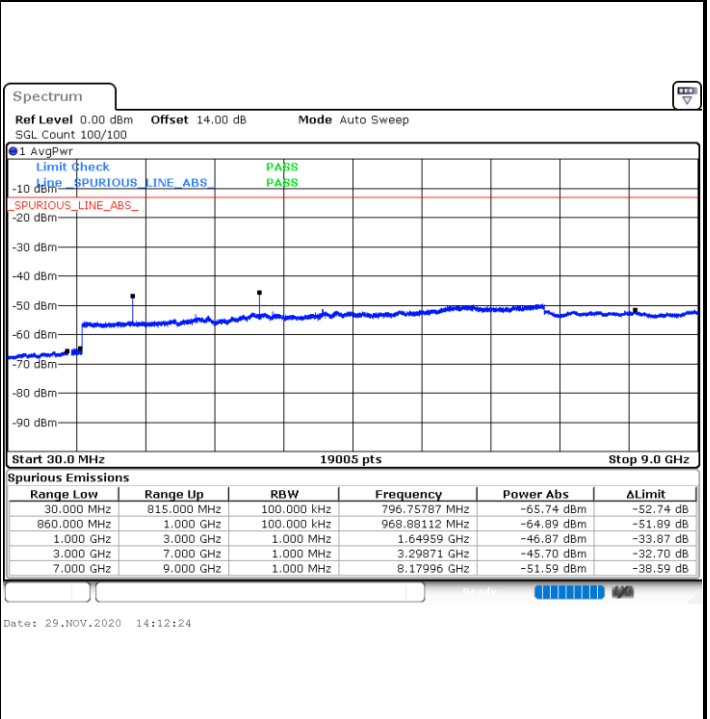


LTE Band 5 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

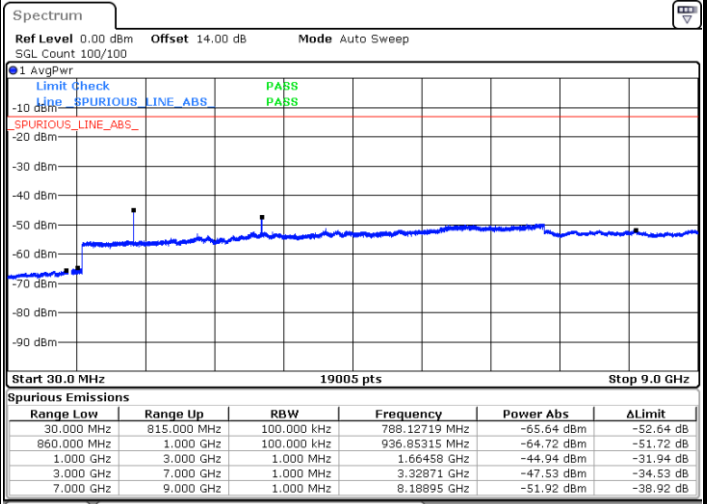
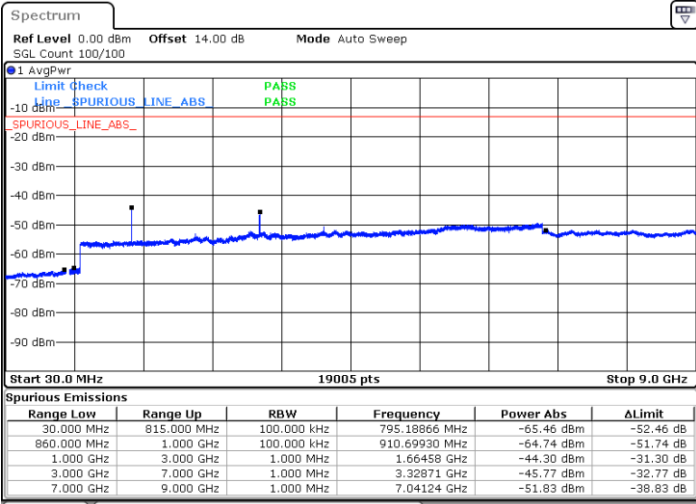




LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

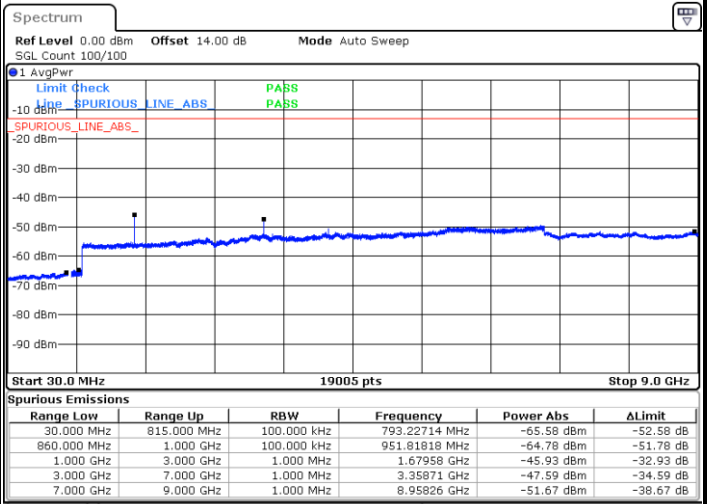
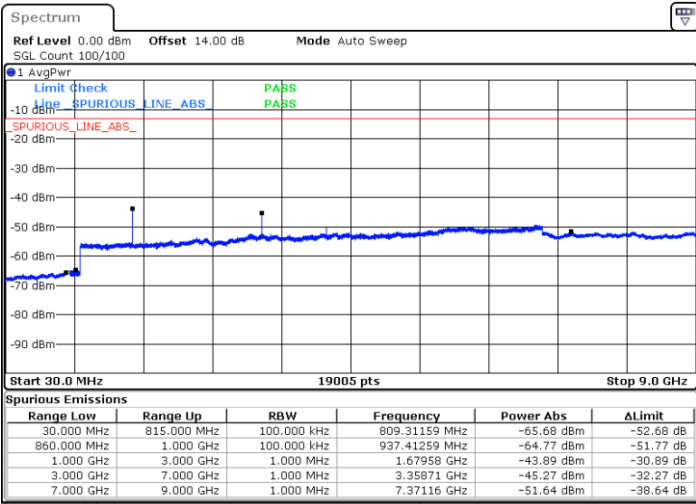


Date: 29.NOV.2020 14:14:28

Date: 29.NOV.2020 14:14:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29.NOV.2020 14:24:58

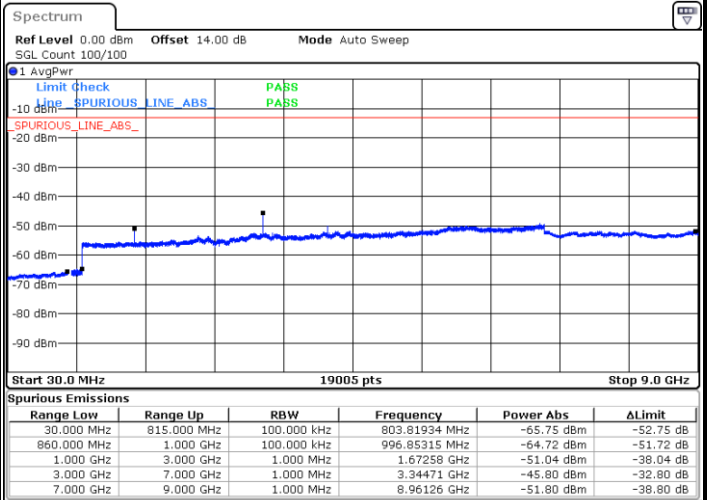
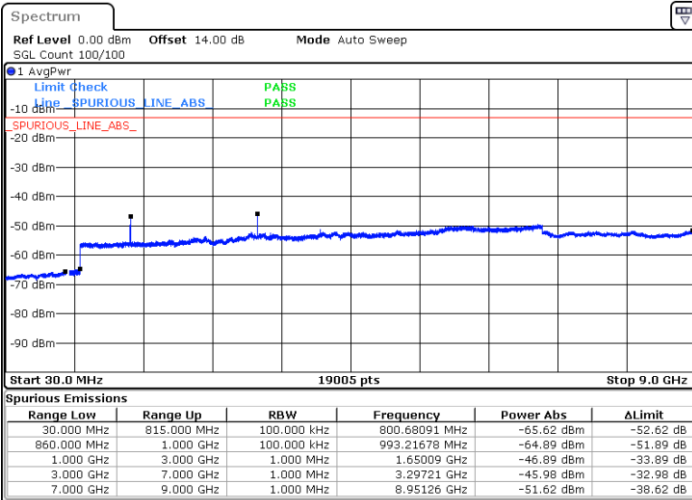
Date: 29.NOV.2020 14:23:40



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

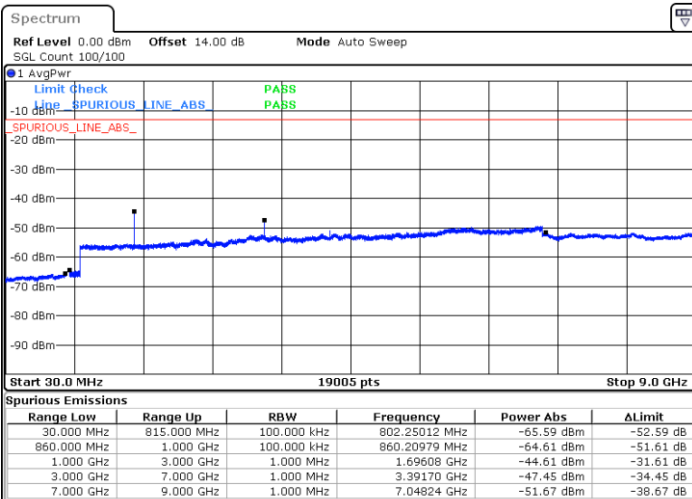
Middle Channel / 64QAM



Date: 29.NOV.2020 11:57:36

Date: 29.NOV.2020 12:07:57

Highest Channel / 64QAM

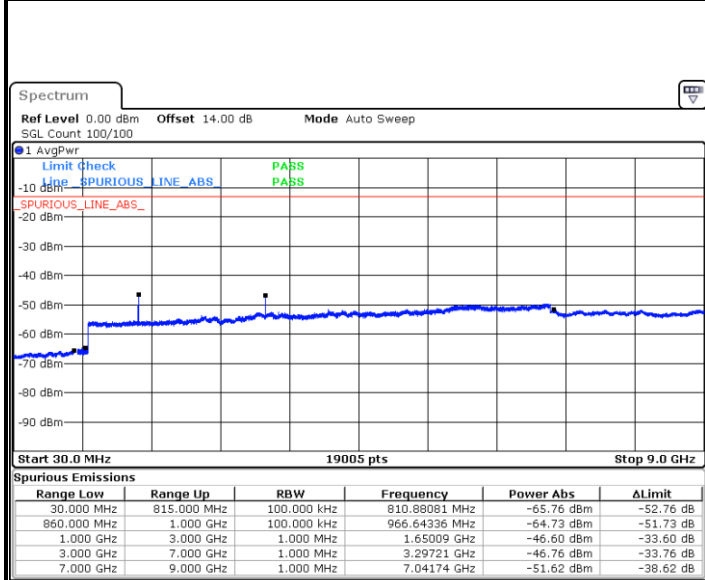


Date: 29.NOV.2020 12:53:10



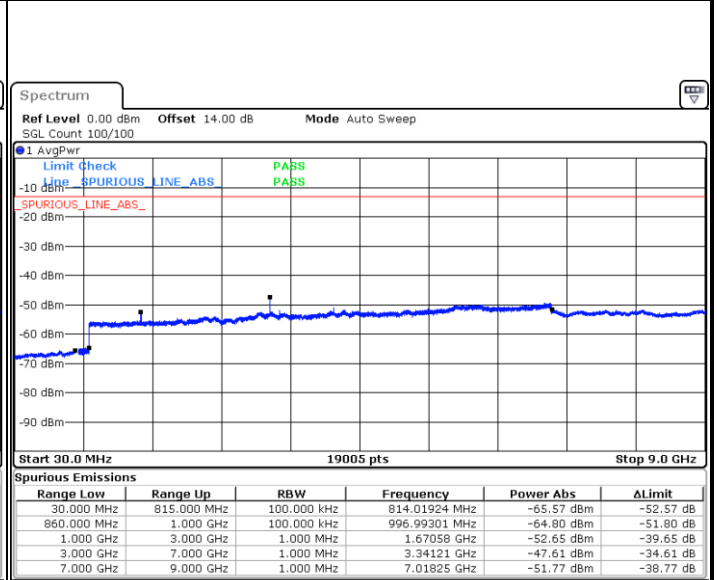
**LTE Band 5 / 3MHz**

**Lowest Channel / 64QAM**



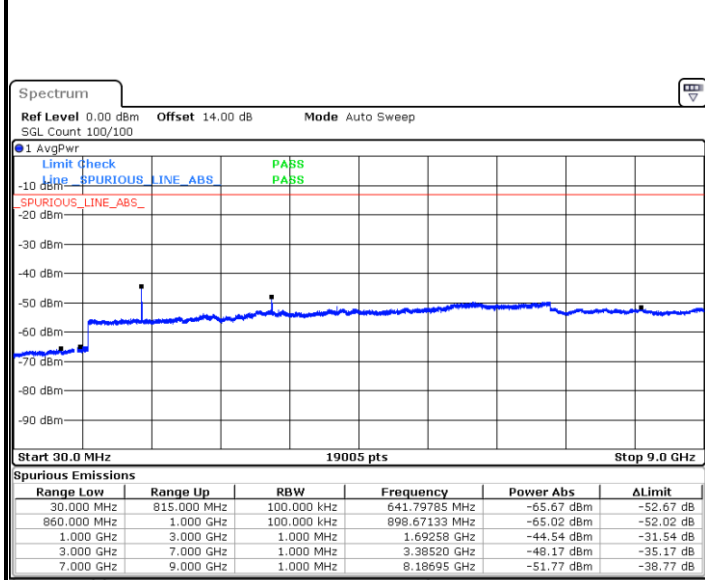
Date: 29.NOV.2020 13:01:02

**Middle Channel / 64QAM**



Date: 29.NOV.2020 13:09:21

**Highest Channel / 64QAM**



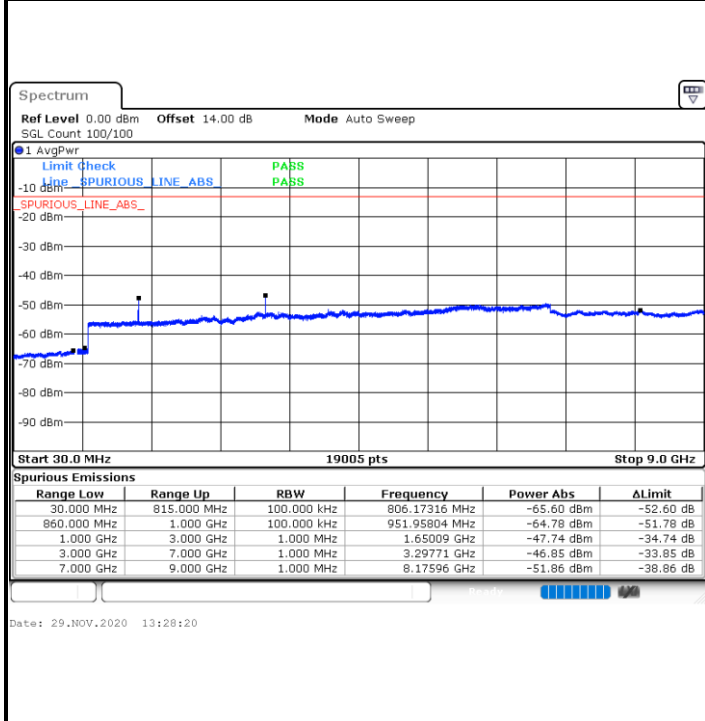
Date: 29.NOV.2020 13:16:55



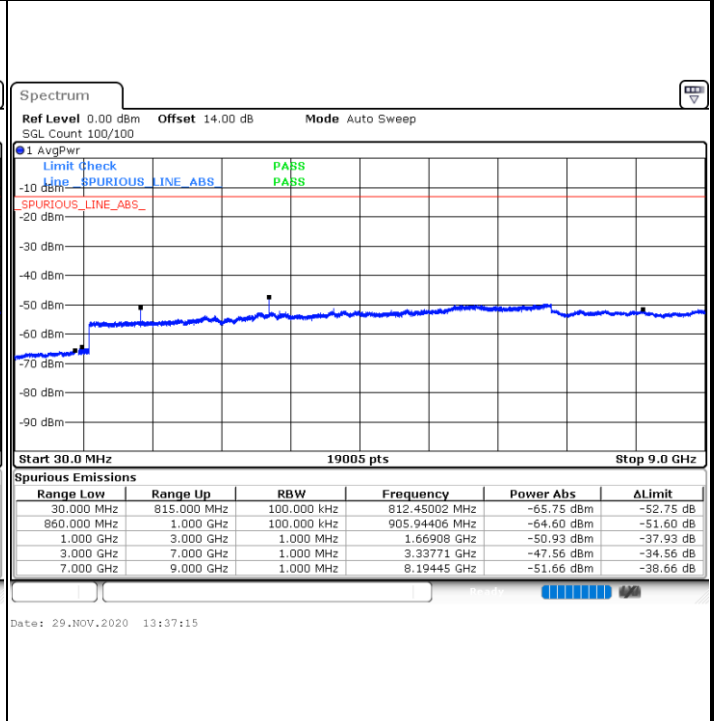


**LTE Band 5 / 5MHz**

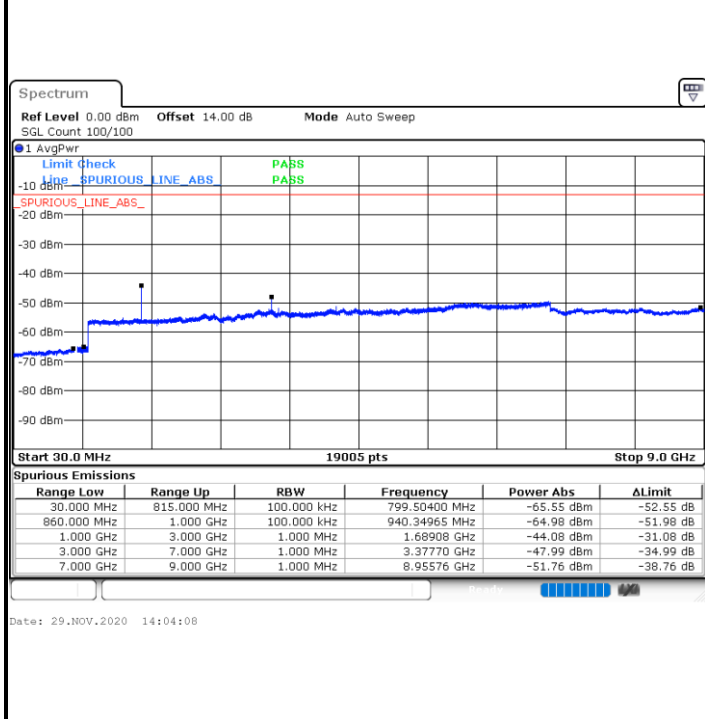
**Lowest Channel / 64QAM**

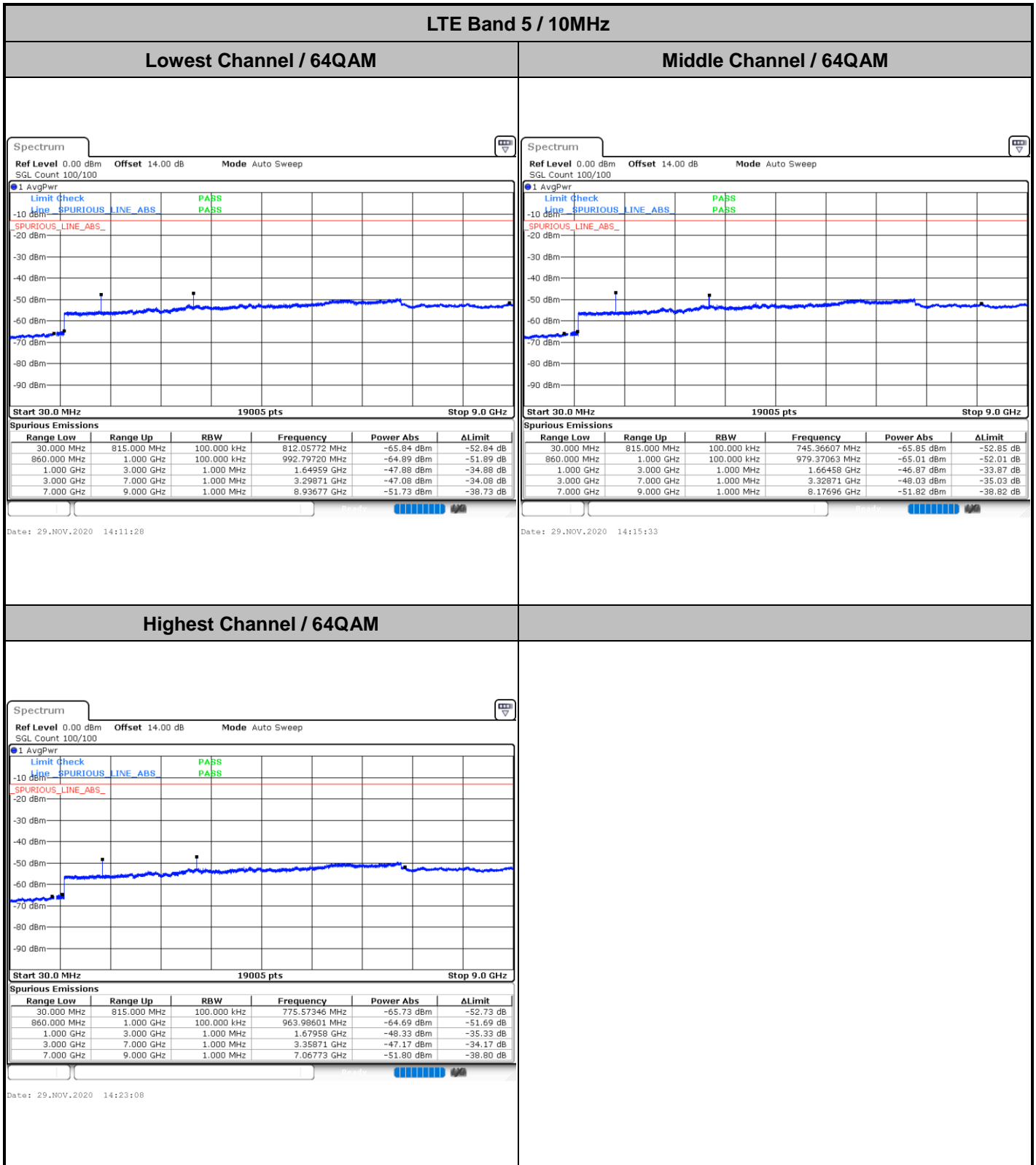


**Middle Channel / 64QAM**



**Highest Channel / 64QAM**







### Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41

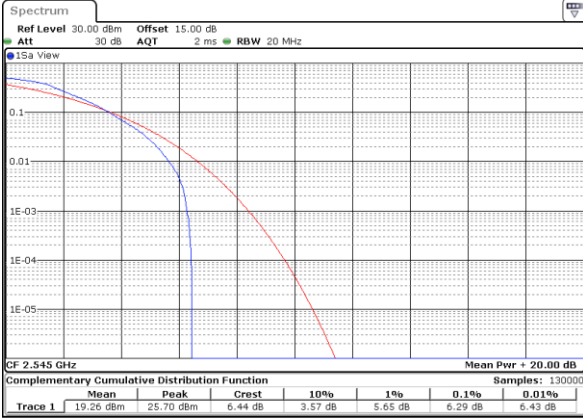
## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.29	6.78	6.61	7.51	PASS
Middle CH	6.43	7.54	7.33	7.30	
Highest CH	6.46	6.55	6.87	6.46	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.49	7.51	-	-	PASS
Middle CH	6.49	6.26	-	-	
Highest CH	6.43	6.20	-	-	



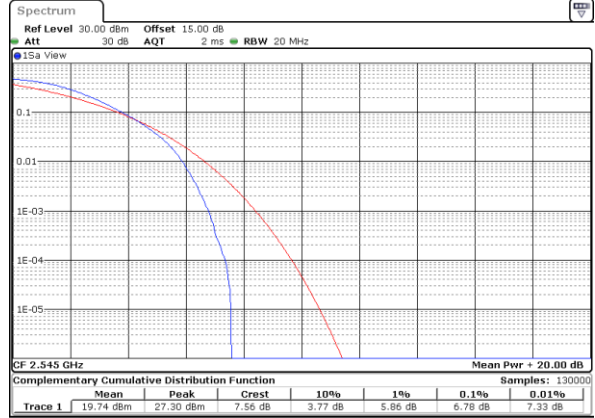
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



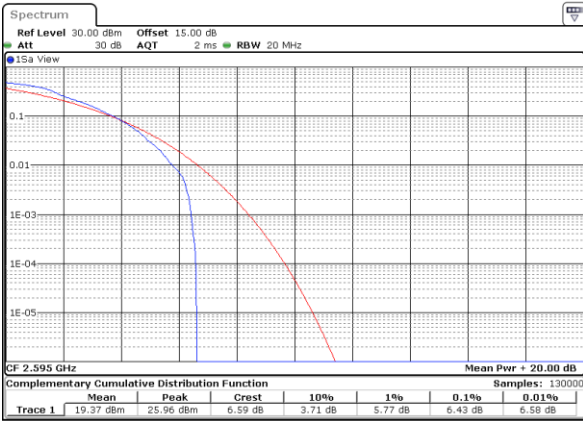
Date: 1.DEC.2020 19:14:22

Lowest Channel / Full RB



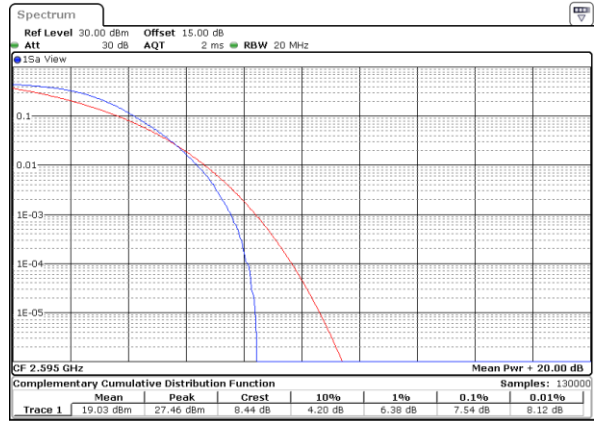
Date: 1.DEC.2020 19:10:22

Middle Channel / 1RB



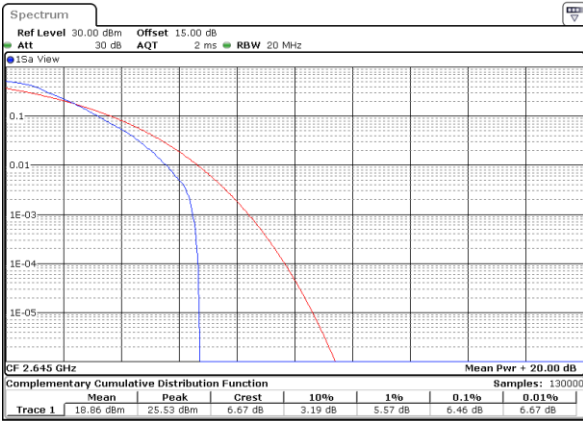
Date: 1.DEC.2020 19:56:16

Middle Channel / Full RB



Date: 1.DEC.2020 19:56:45

Highest Channel / 1RB



Date: 1.DEC.2020 19:47:30

Highest Channel / Full RB

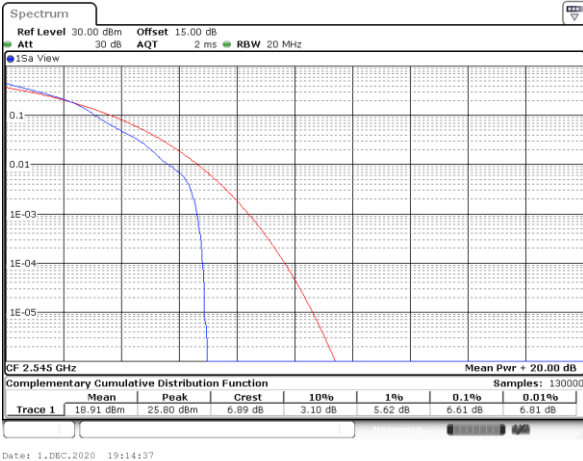


Date: 1.DEC.2020 19:40:47



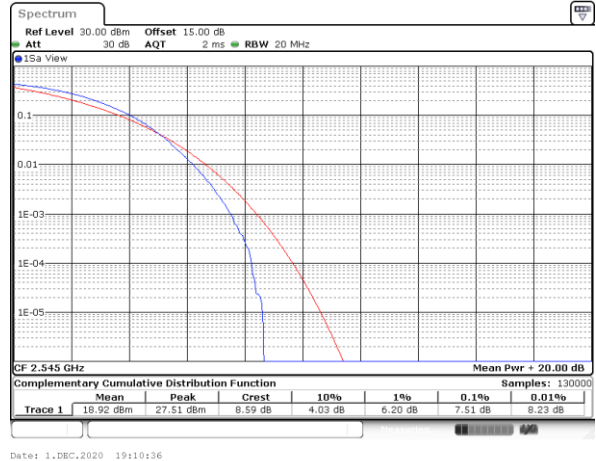
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



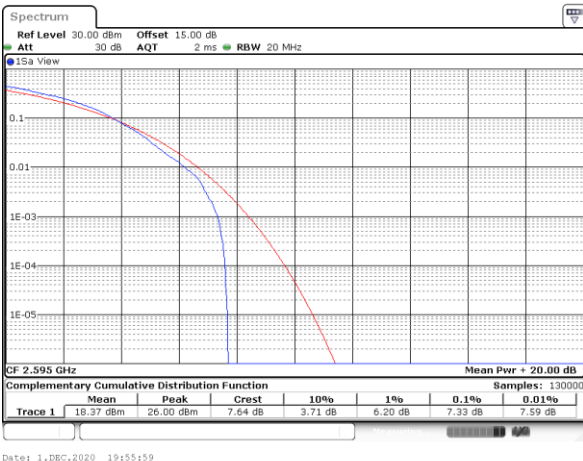
Date: 1.DEC.2020 19:14:37

Lowest Channel / Full RB



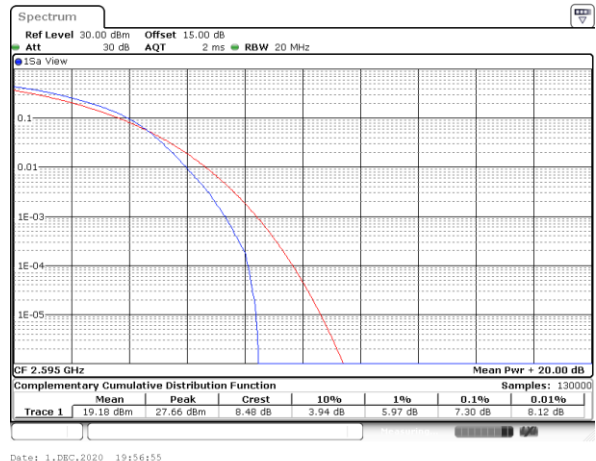
Date: 1.DEC.2020 19:10:36

Middle Channel / 1RB



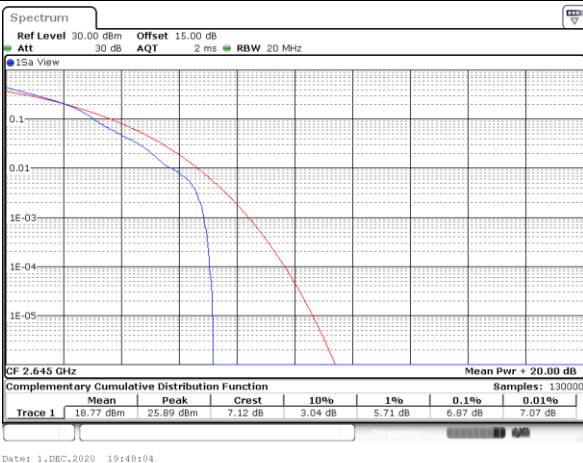
Date: 1.DEC.2020 19:55:59

Middle Channel / Full RB



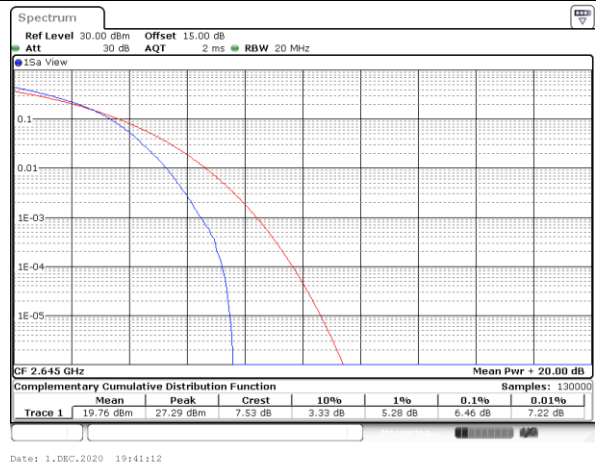
Date: 1.DEC.2020 19:56:55

Highest Channel / 1RB



Date: 1.DEC.2020 19:48:04

Highest Channel / Full RB

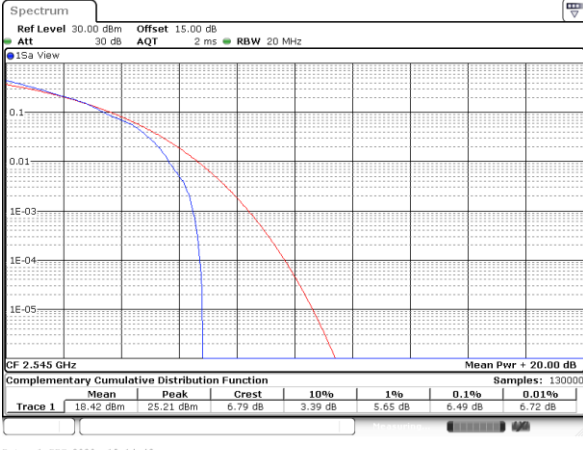


Date: 1.DEC.2020 19:41:12



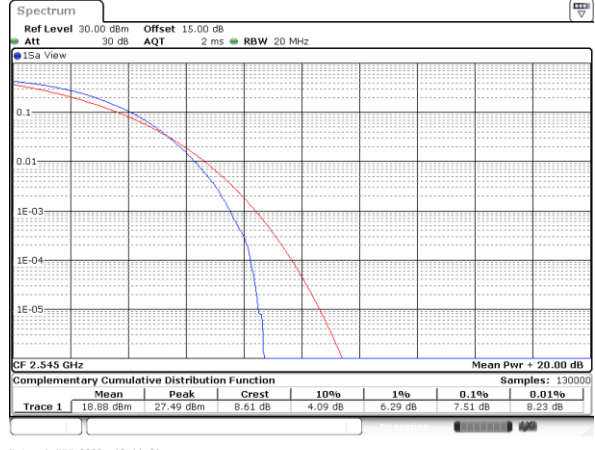
LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



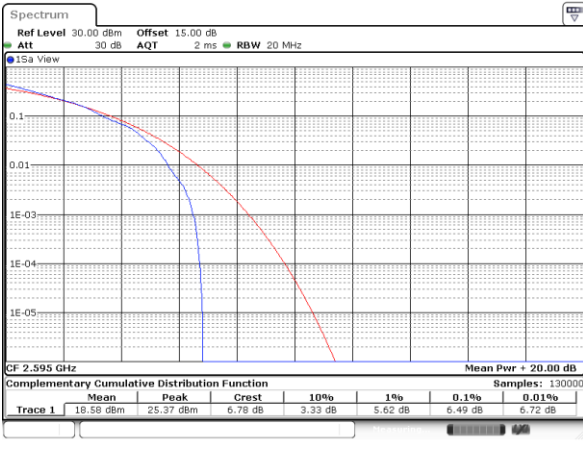
Date: 1.DEC.2020 19:11:48

Lowest Channel / Full RB



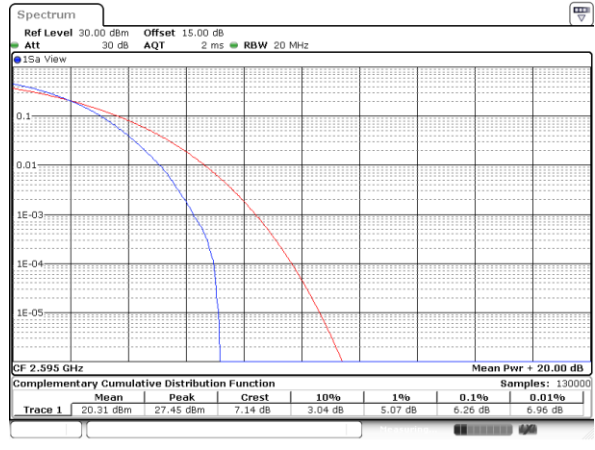
Date: 1.DEC.2020 19:11:31

Middle Channel / 1RB



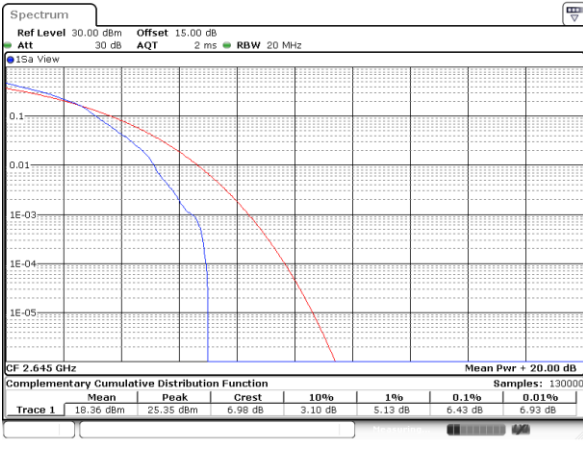
Date: 1.DEC.2020 19:55:30

Middle Channel / Full RB



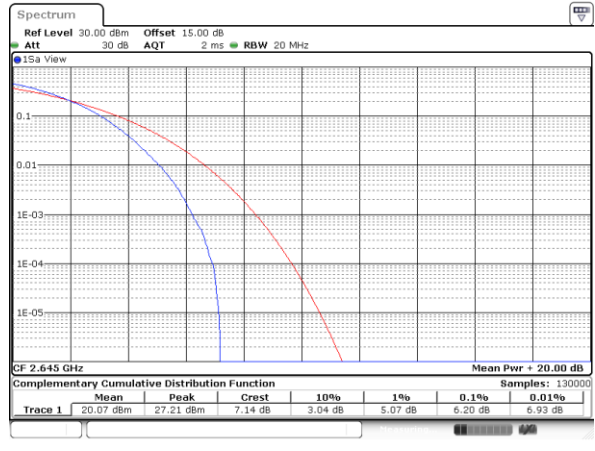
Date: 1.DEC.2020 19:57:18

Highest Channel / 1RB



Date: 1.DEC.2020 19:48:29

Highest Channel / Full RB



Date: 1.DEC.2020 19:41:46



26dB Bandwidth

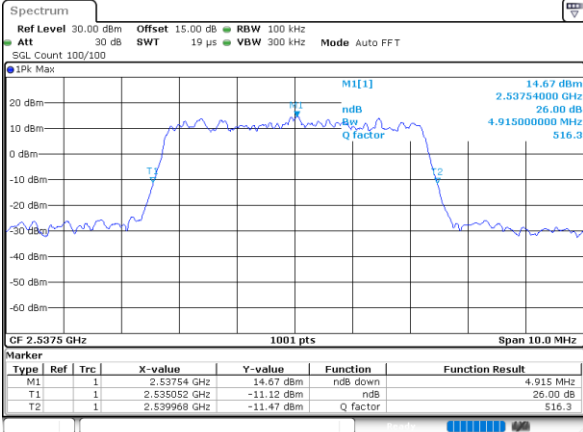
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.92	4.82	9.77	9.65	14.33	14.24	18.74	18.62
Middle CH	-	-	-	-	4.81	4.86	9.73	9.75	14.24	14.12	18.78	18.74
Highest CH	-	-	-	-	4.93	4.89	9.63	9.65	14.24	14.27	18.98	18.62
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.74	-	9.85	-	14.39	-	19.02	-
Middle CH	-	-	-	-	4.78	-	9.69	-	14.24	-	18.62	-
Highest CH	-	-	-	-	4.86	-	9.61	-	14.27	-	18.74	-





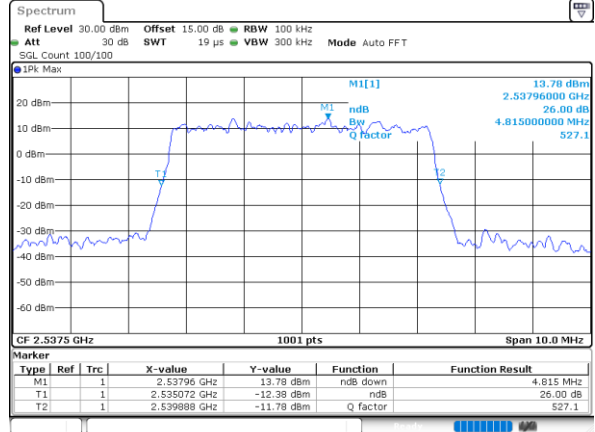
LTE Band 41

Lowest Channel / 5MHz / QPSK



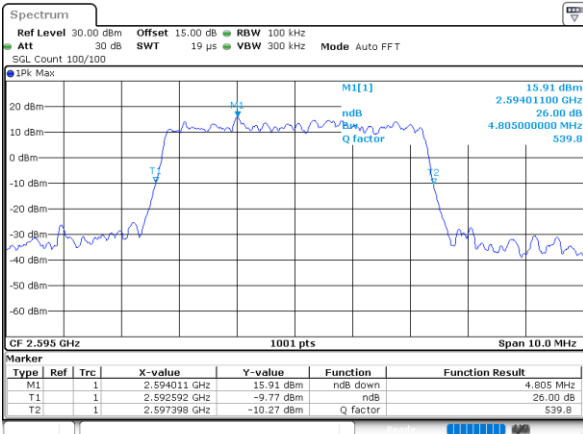
Date: 1.DEC.2020 11:56:39

Lowest Channel / 5MHz / 16QAM



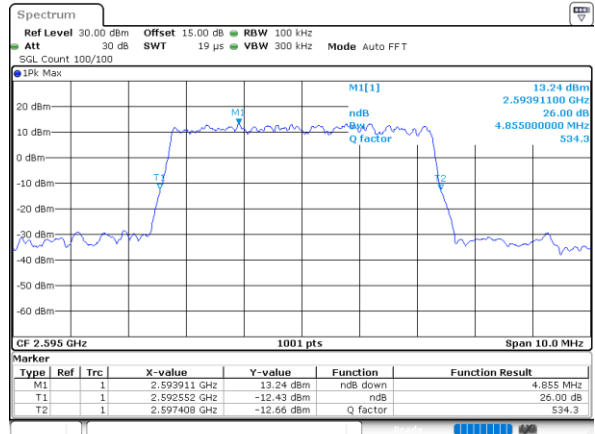
Date: 1.DEC.2020 11:54:24

Middle Channel / 5MHz / QPSK



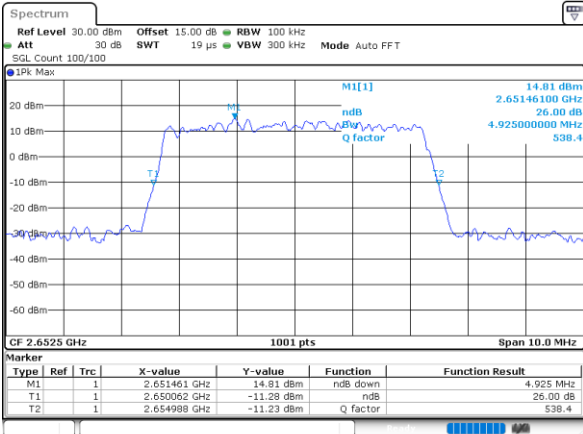
Date: 1.DEC.2020 14:42:58

Middle Channel / 5MHz / 16QAM



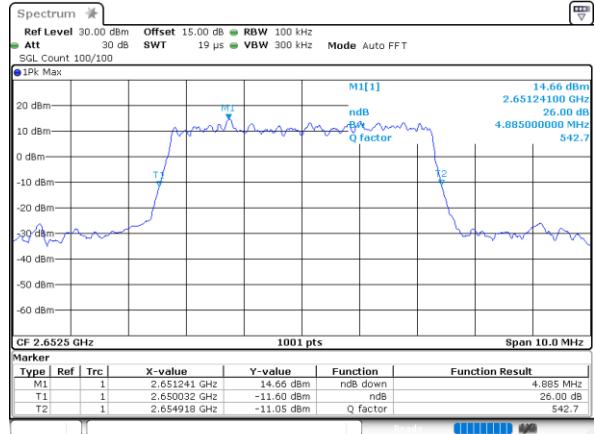
Date: 1.DEC.2020 14:42:41

Highest Channel / 5MHz / QPSK



Date: 1.DEC.2020 14:44:15

Highest Channel / 5MHz / 16QAM

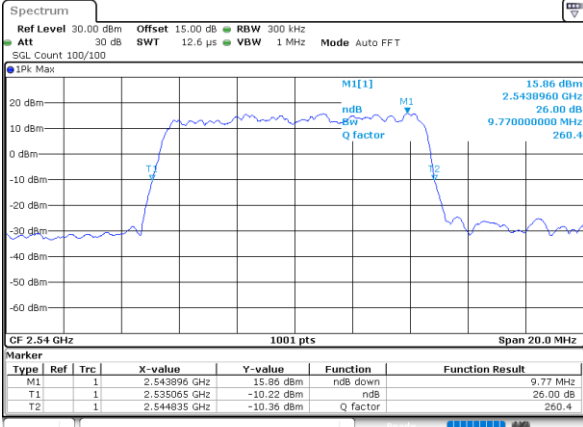


Date: 1.DEC.2020 14:44:35



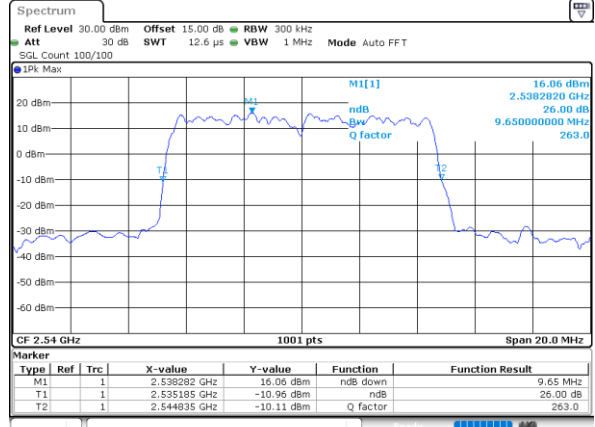
LTE Band 41

Lowest Channel / 10MHz / QPSK



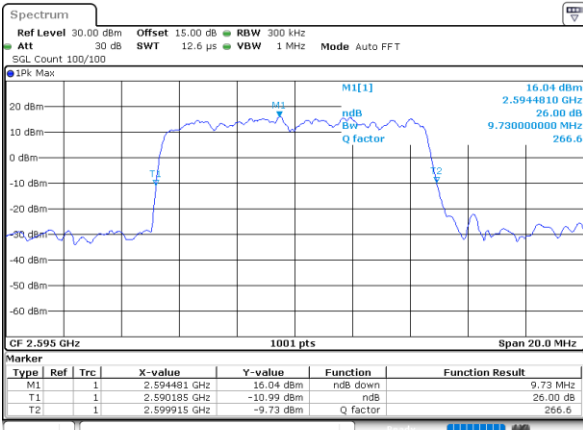
Date: 1.DEC.2020 15:01:29

Lowest Channel / 10MHz / 16QAM



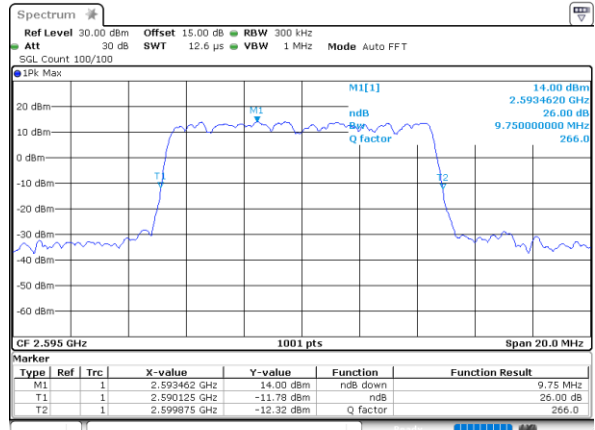
Date: 1.DEC.2020 15:02:07

Middle Channel / 10MHz / QPSK



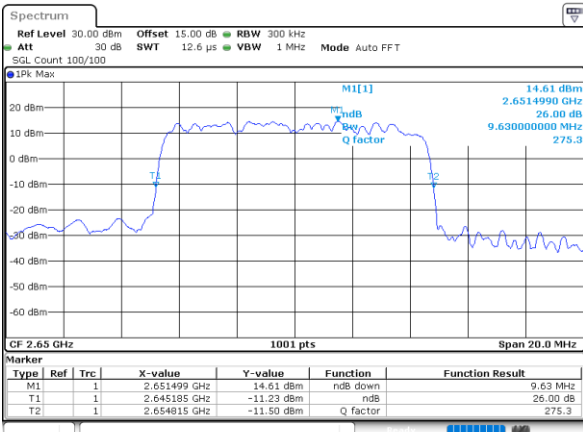
Date: 1.DEC.2020 17:08:15

Middle Channel / 10MHz / 16QAM



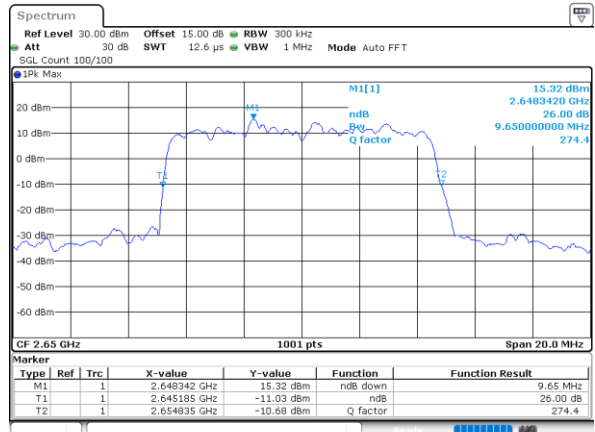
Date: 1.DEC.2020 17:08:34

Highest Channel / 10MHz / QPSK



Date: 1.DEC.2020 17:10:11

Highest Channel / 10MHz / 16QAM

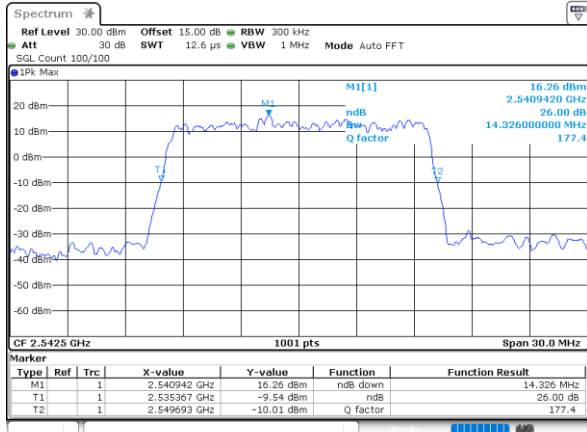


Date: 1.DEC.2020 17:09:55



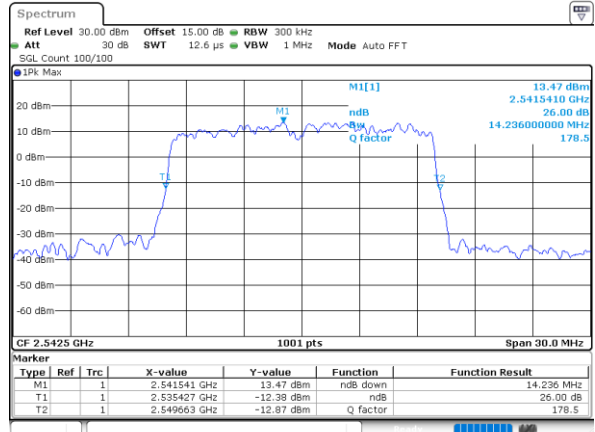
LTE Band 41

Lowest Channel / 15MHz / QPSK



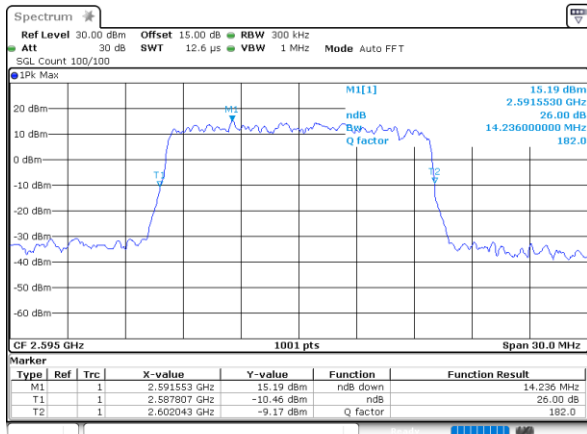
Date: 1.DEC.2020 17:29:01

Lowest Channel / 15MHz / 16QAM



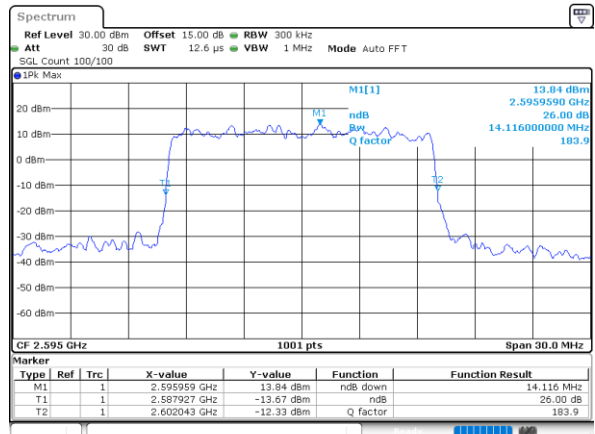
Date: 1.DEC.2020 17:29:54

Middle Channel / 15MHz / QPSK



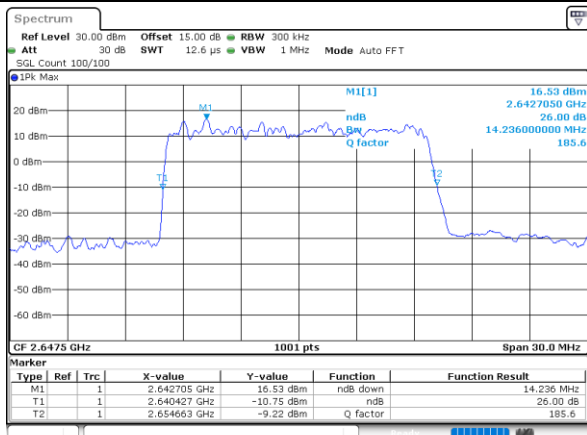
Date: 1.DEC.2020 18:39:00

Middle Channel / 15MHz / 16QAM



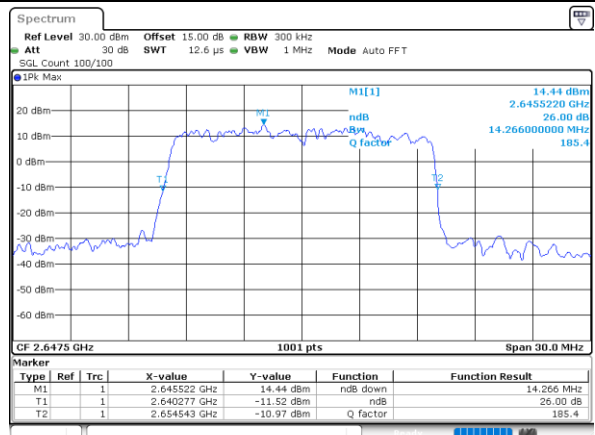
Date: 1.DEC.2020 18:39:55

Highest Channel / 15MHz / QPSK



Date: 1.DEC.2020 18:51:26

Highest Channel / 15MHz / 16QAM

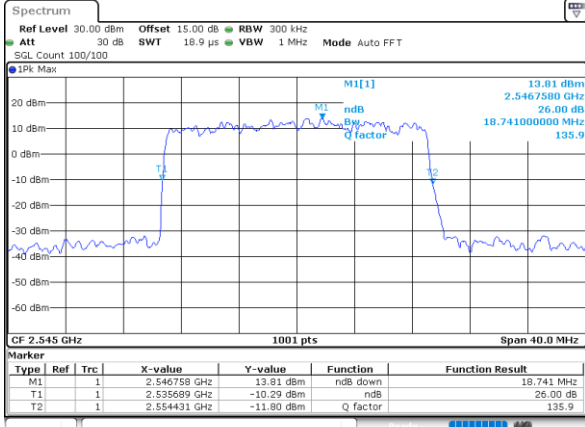


Date: 1.DEC.2020 18:49:07



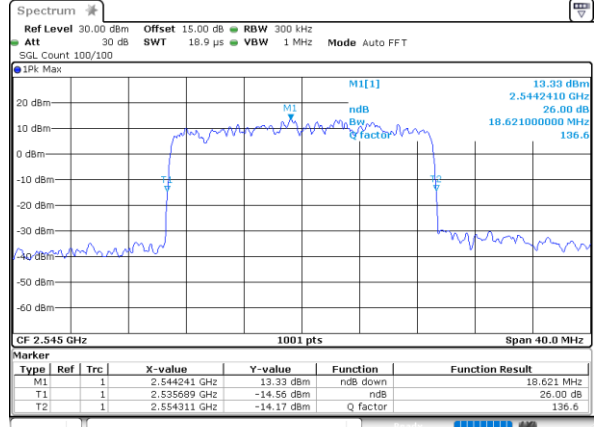
LTE Band 41

Lowest Channel / 20MHz / QPSK



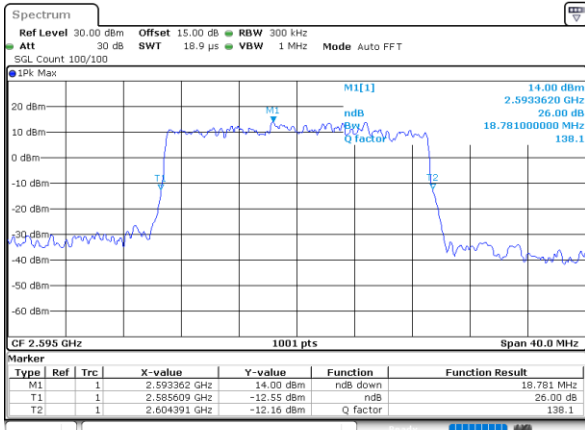
Date: 1.DEC.2020 19:10:15

Lowest Channel / 20MHz / 16QAM



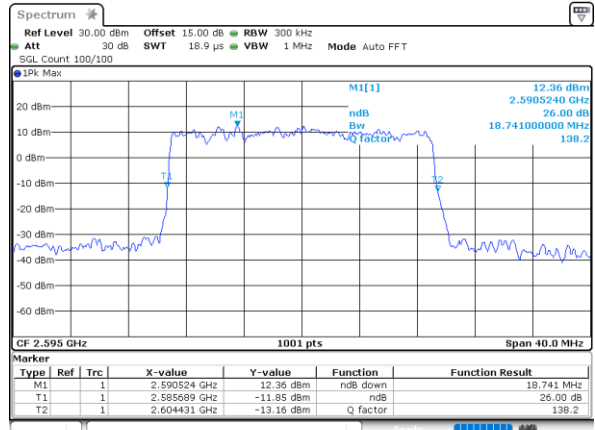
Date: 1.DEC.2020 19:10:47

Middle Channel / 20MHz / QPSK



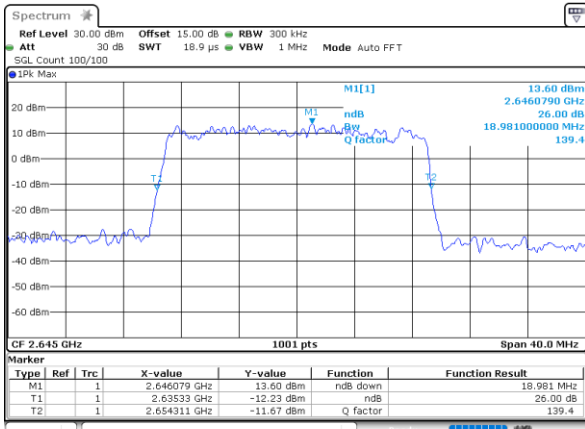
Date: 1.DEC.2020 19:38:16

Middle Channel / 20MHz / 16QAM



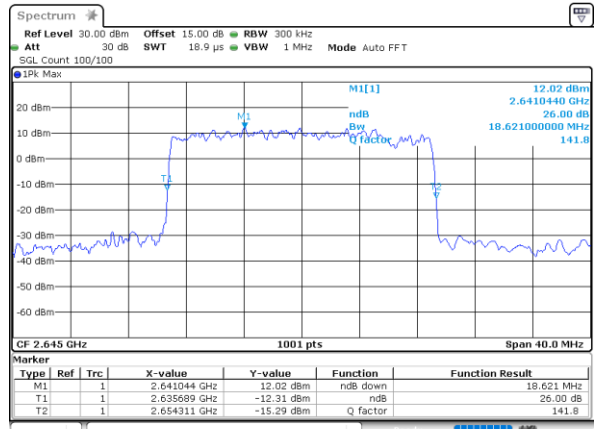
Date: 1.DEC.2020 19:38:30

Highest Channel / 20MHz / QPSK



Date: 1.DEC.2020 19:40:00

Highest Channel / 20MHz / 16QAM



Date: 1.DEC.2020 19:39:46