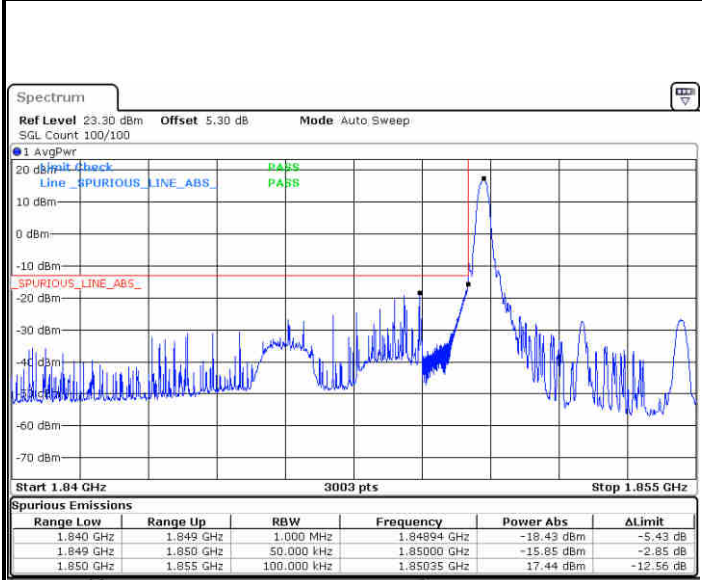




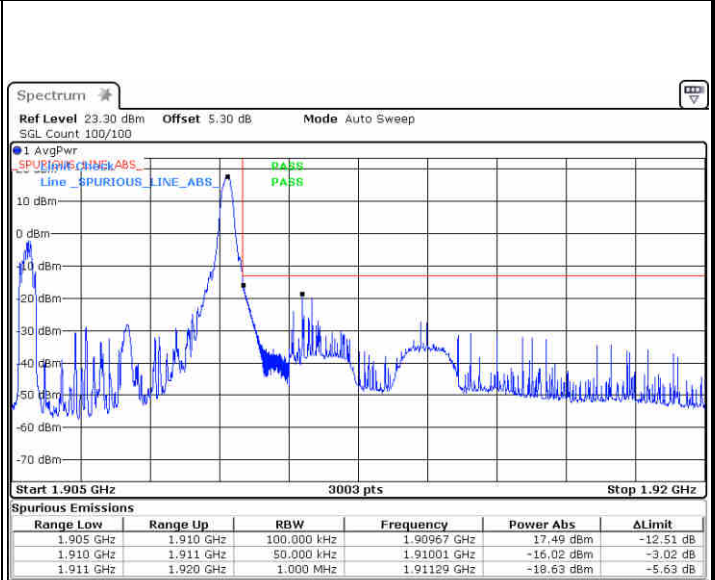
EN-DC\_12A\_n2A / LTE 10MHz + NR 5MHz / QPSK

Lowest Band Edge / 1RB0



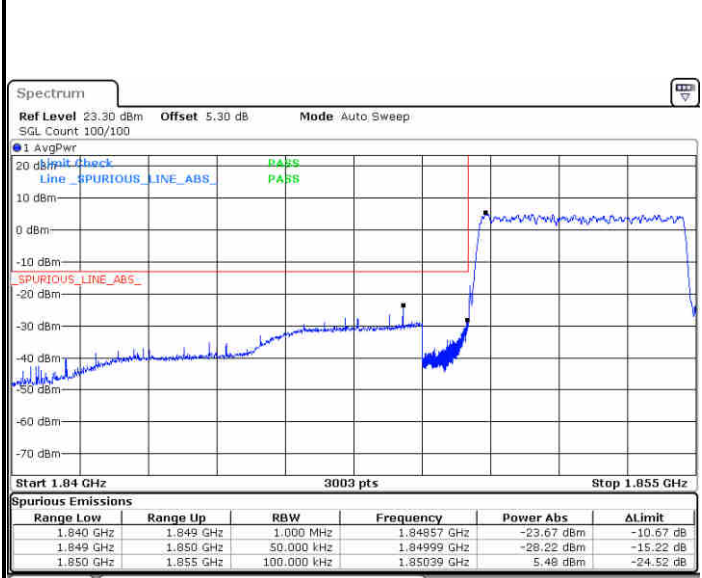
Date: 17.FEB.2020 02:02:58

Highest Band Edge / 1RB24



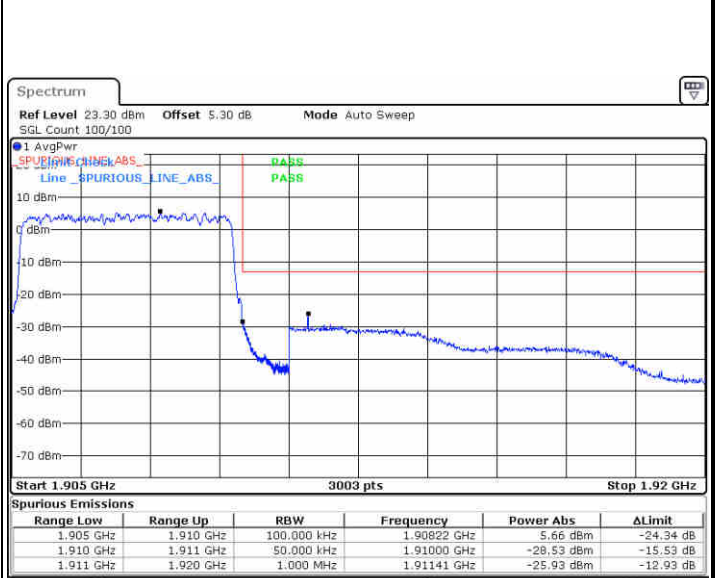
Date: 17.FEB.2020 02:01:40

Lowest Band Edge / 25RB0



Date: 17.FEB.2020 01:58:50

Highest Band Edge / 25RB0

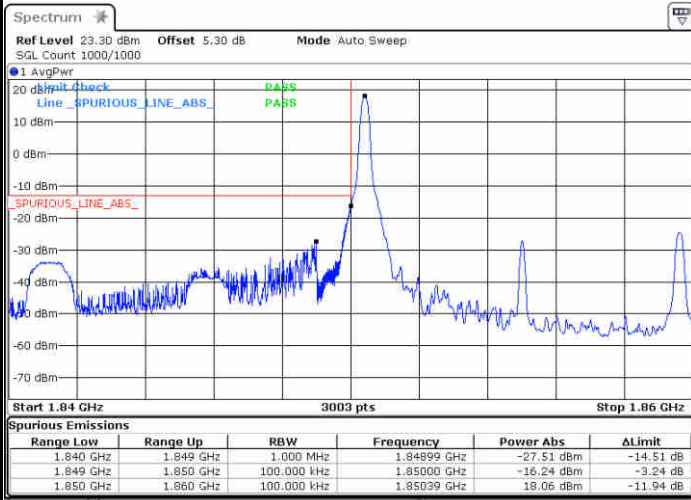


Date: 18.FEB.2020 11:06:19



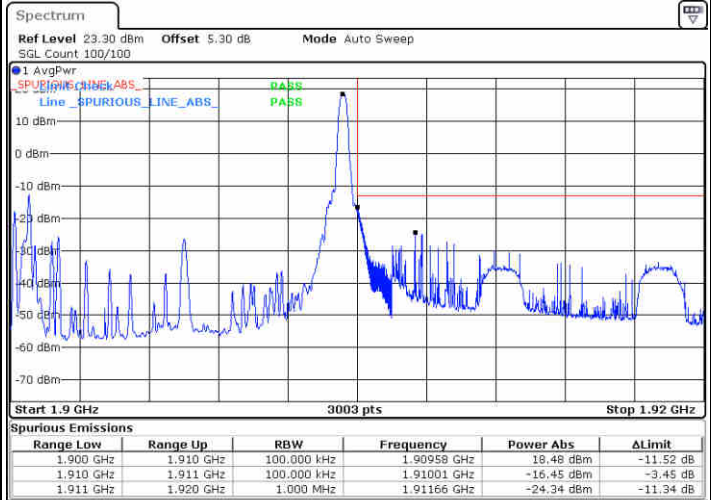
EN-DC\_12A\_n2A / LTE 10MHz + NR 10MHz / BPSK

Lowest Band Edge / 1RB0



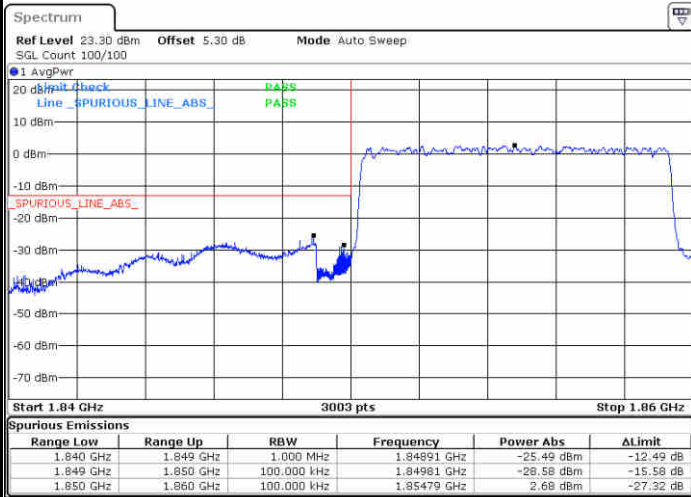
Date: 25.FEB.2020 13:08:56

Highest Band Edge / 1RB51



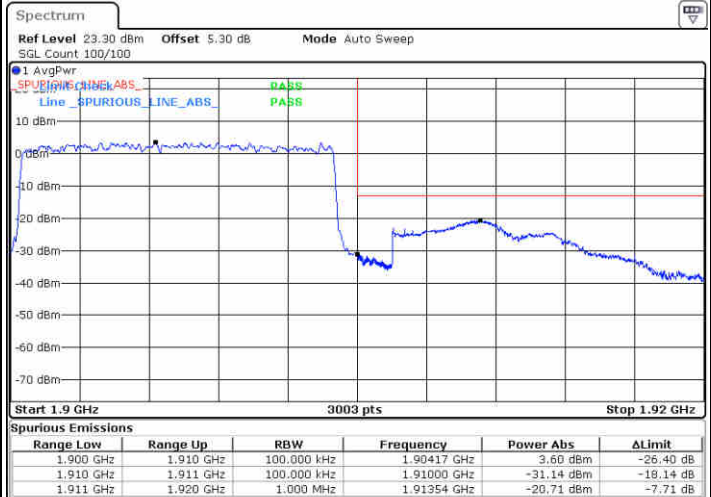
Date: 25.FEB.2020 14:29:25

Lowest Band Edge / 50RB0



Date: 25.FEB.2020 13:21:17

Highest Band Edge / 50RB0

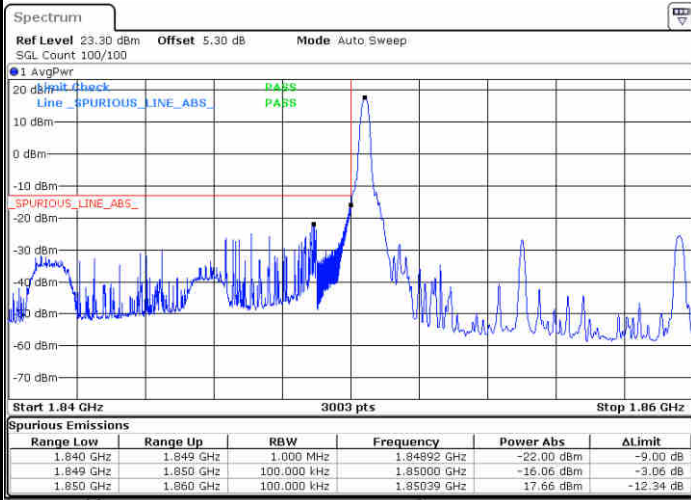


Date: 25.FEB.2020 14:31:23



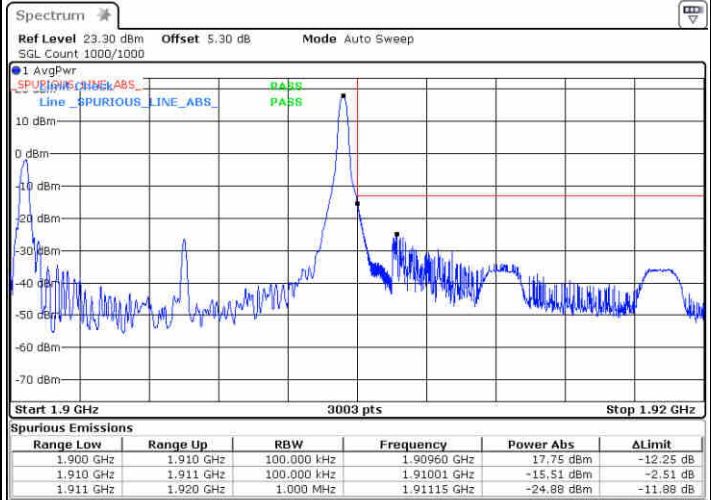
EN-DC\_12A\_n2A / LTE 10MHz + NR 10MHz / QPSK

Lowest Band Edge / 1RB0



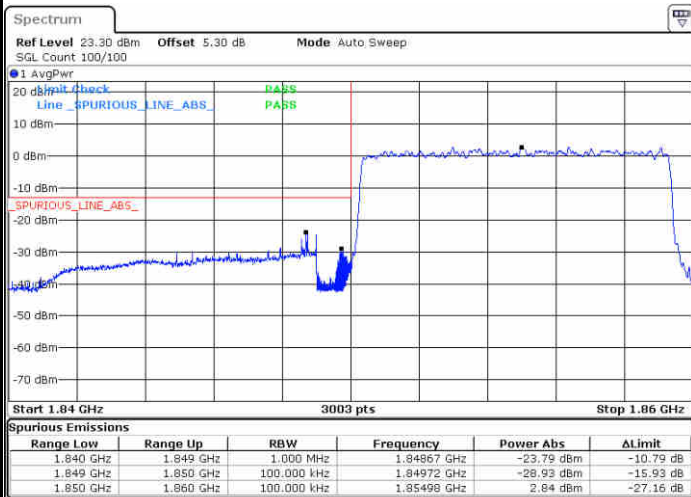
Date: 25.FEB.2020 13:23:42

Highest Band Edge / 1RB51



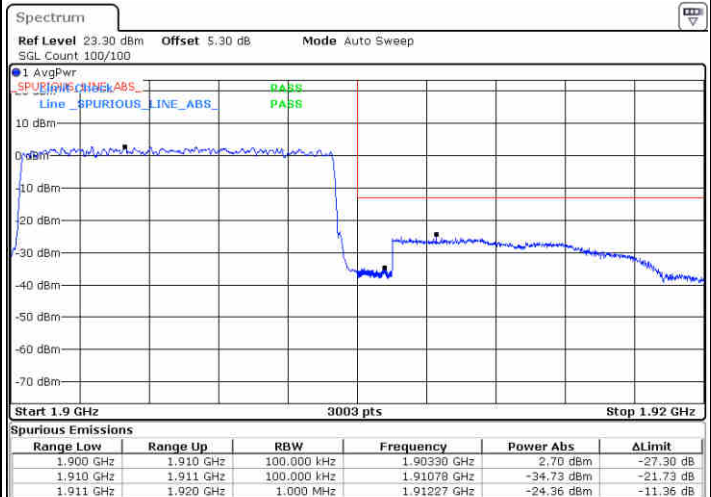
Date: 25.FEB.2020 14:30:26

Lowest Band Edge / 50RB0



Date: 25.FEB.2020 13:23:22

Highest Band Edge / 50RB0



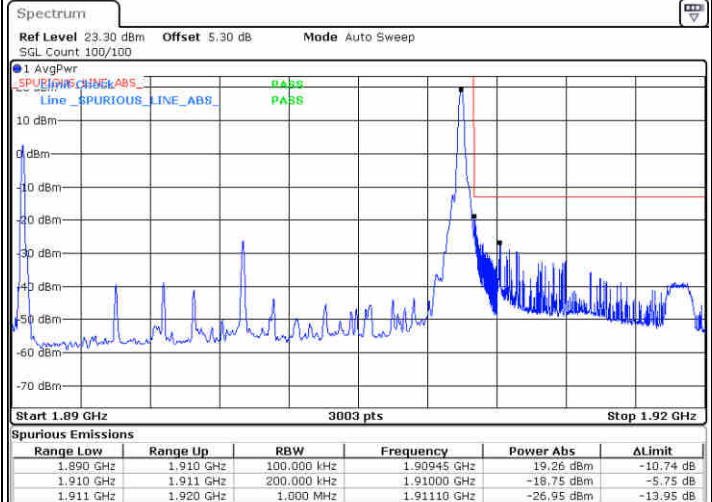
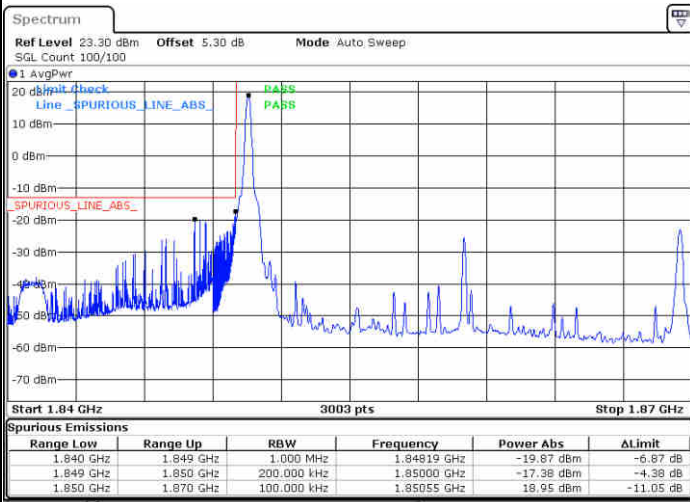
Date: 25.FEB.2020 14:31:01



EN-DC\_12A\_n2A / LTE 10MHz + NR 20MHz / BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105

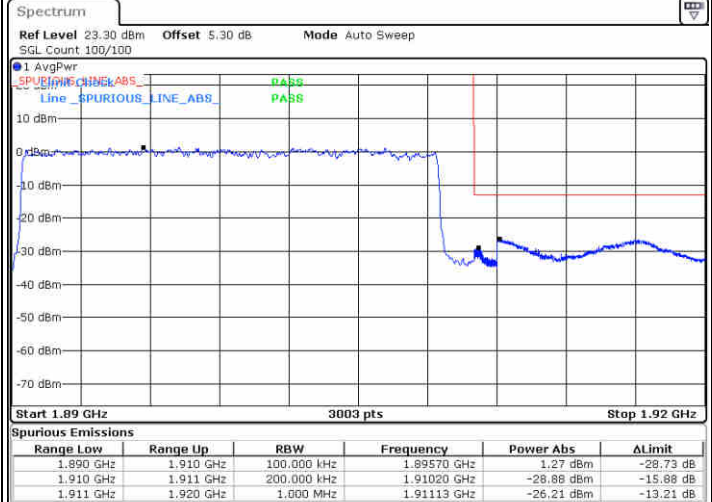
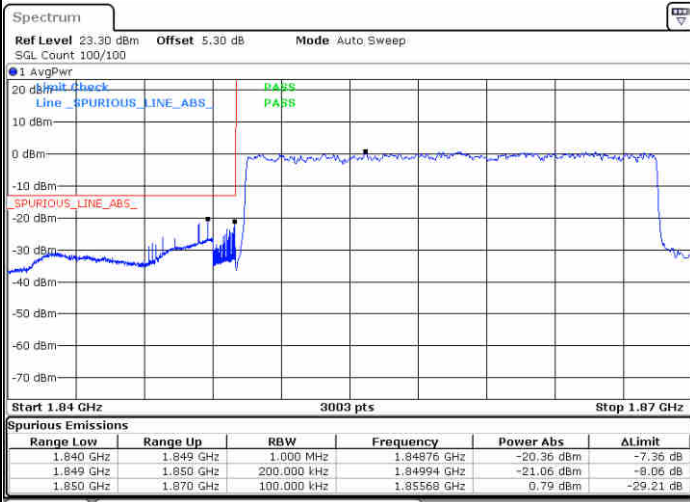


Date: 23.FEB.2020 18:07:39

Date: 23.FEB.2020 19:07:08

Lowest Band Edge / 100RB0

Highest Band Edge / 100RB0



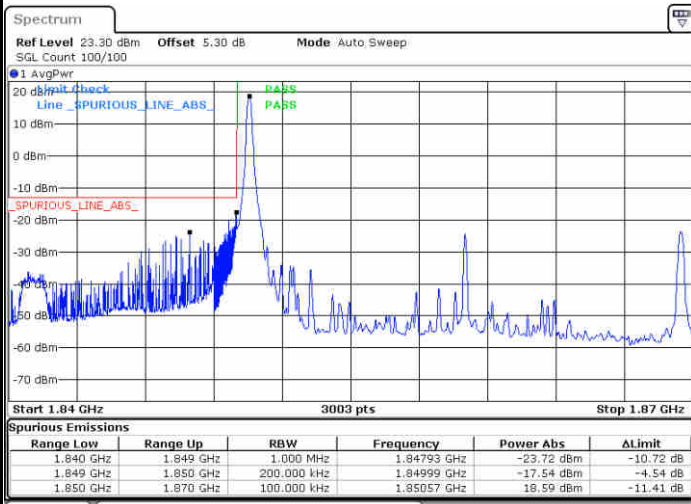
Date: 23.FEB.2020 18:11:13

Date: 23.FEB.2020 19:07:36



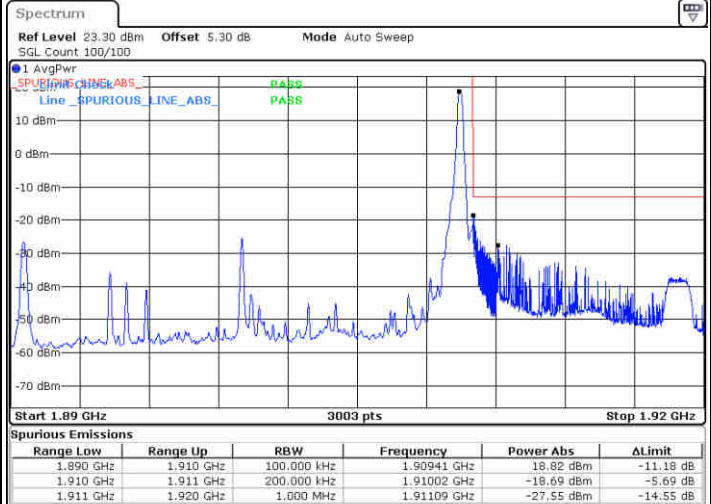
EN-DC\_12A\_n2A / LTE 10MHz + NR 20MHz / QPSK

Lowest Band Edge / 1RB0



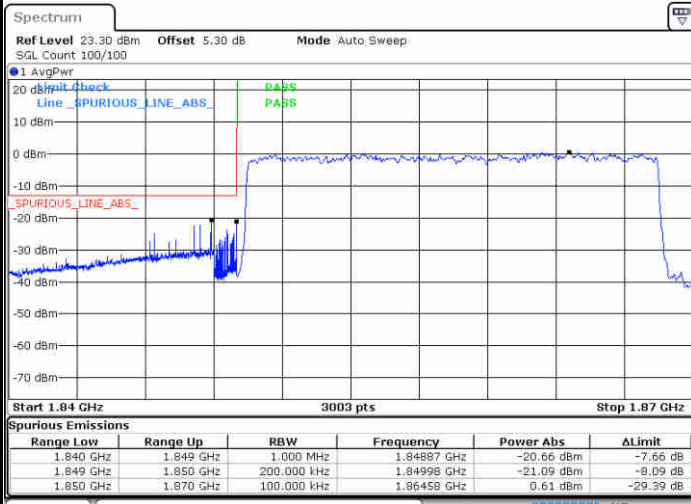
Date: 23.FEB.2020 18:06:16

Highest Band Edge / 1RB105



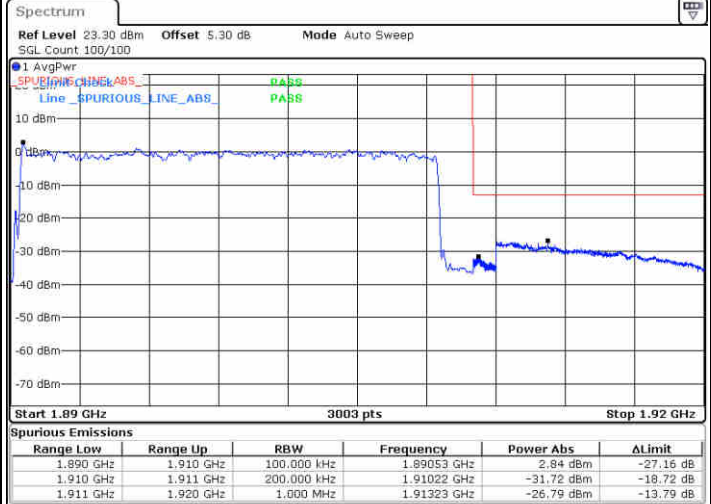
Date: 23.FEB.2020 19:04:45

Lowest Band Edge / 100RB0



Date: 23.FEB.2020 18:02:26

Highest Band Edge / 100RB0



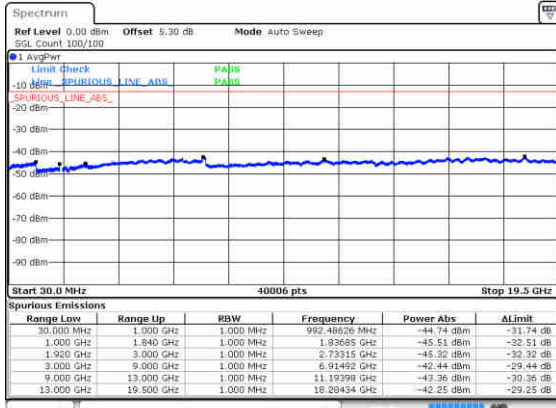
Date: 23.FEB.2020 19:04:05



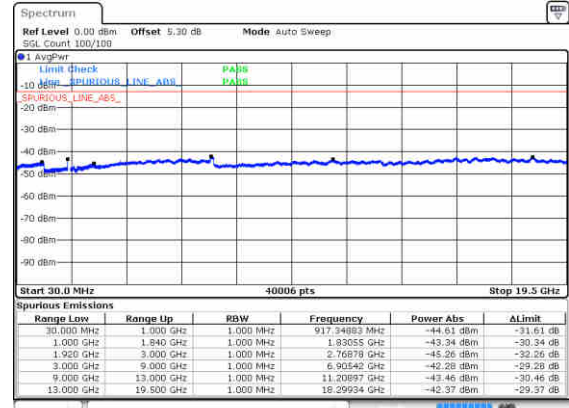
# Conducted Spurious Emission

## EN-DC\_5A\_n2A / LTE 10MHz + NR 5MHz

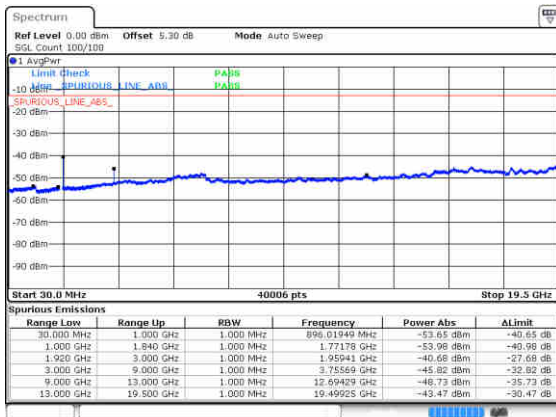
### Lowest Channel / BPSK



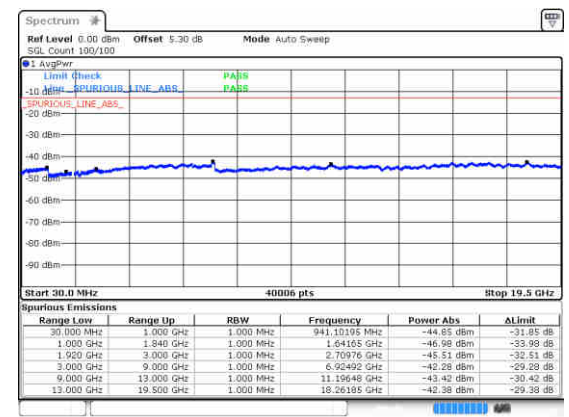
### Lowest Channel / QPSK



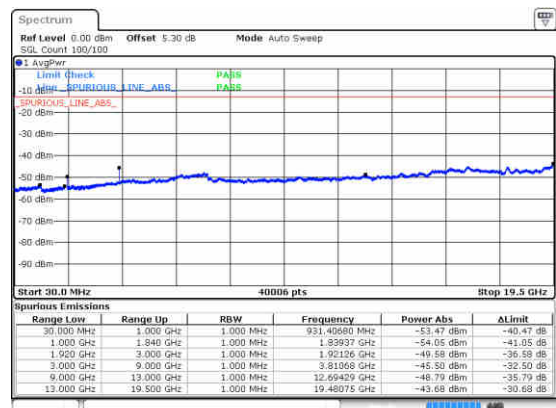
### Middle Channel / BPSK



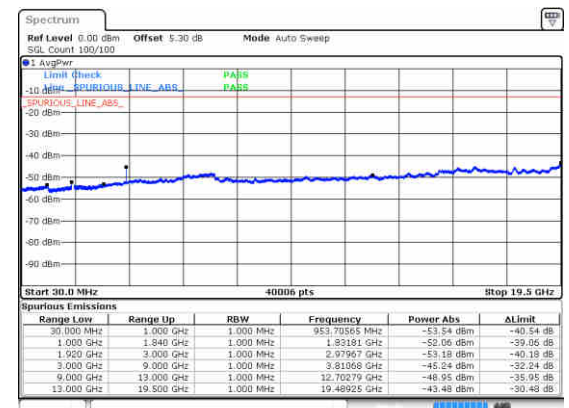
### Middle Channel / QPSK



### Highest Channel / BPSK



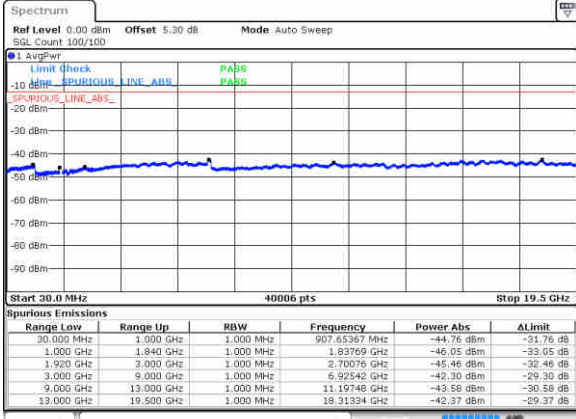
### Highest Channel / QPSK





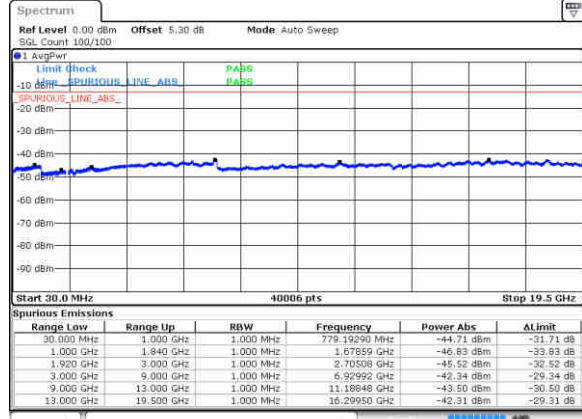
EN-DC\_5A\_n2A / LTE 10MHz + NR 10MHz

Lowest Channel / BPSK



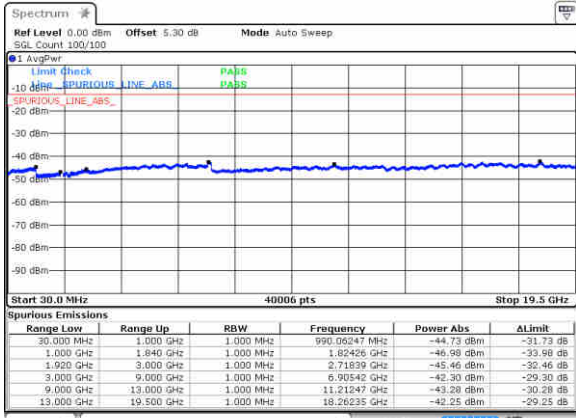
Date: 19 FEB 2020 05:51:21

Lowest Channel / QPSK



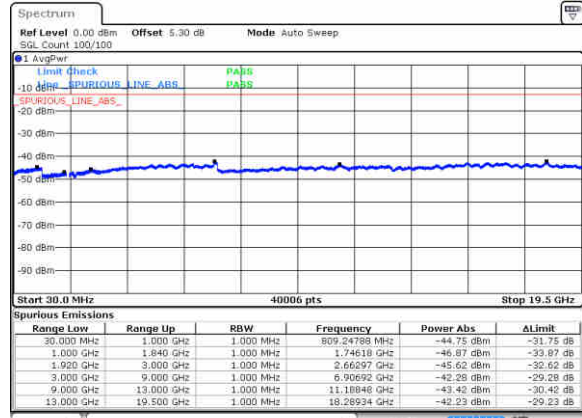
Date: 19 FEB 2020 05:56:40

Middle Channel / BPSK



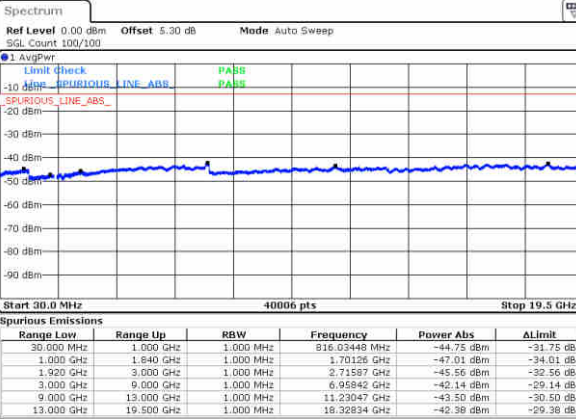
Date: 19 FEB 2020 06:31:44

Middle Channel / QPSK



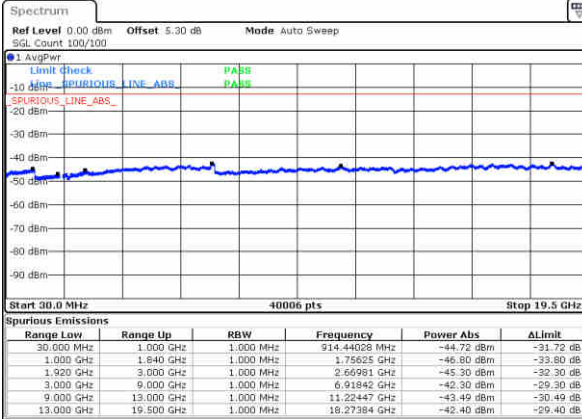
Date: 19 FEB 2020 06:28:18

Highest Channel / BPSK



Date: 19 FEB 2020 06:38:47

Highest Channel / QPSK

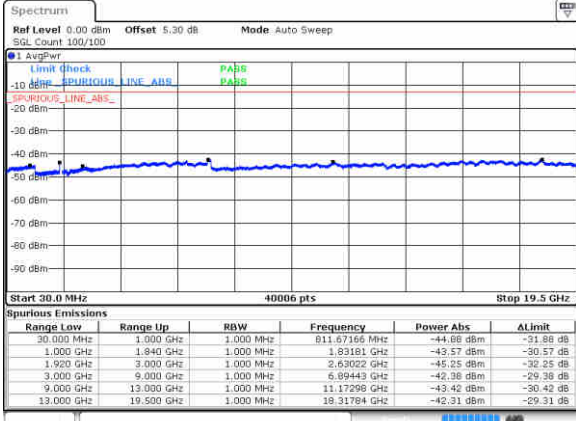


Date: 19 FEB 2020 06:47:00



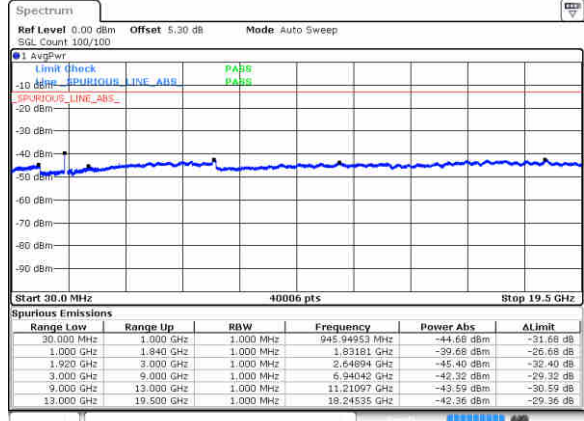
EN-DC\_5A\_n2A / LTE 10MHz + NR 20MHz

Lowest Channel / BPSK



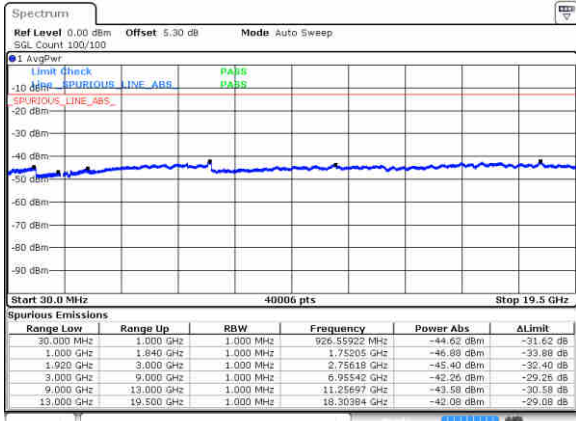
Date: 19 FEB 2020 02:18:34

Lowest Channel / QPSK



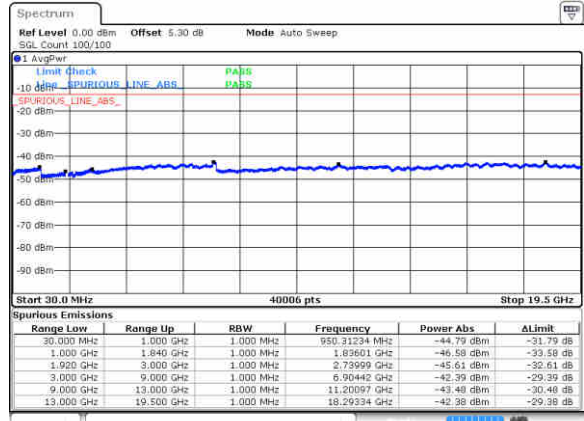
Date: 19 FEB 2020 02:10:56

Middle Channel / BPSK



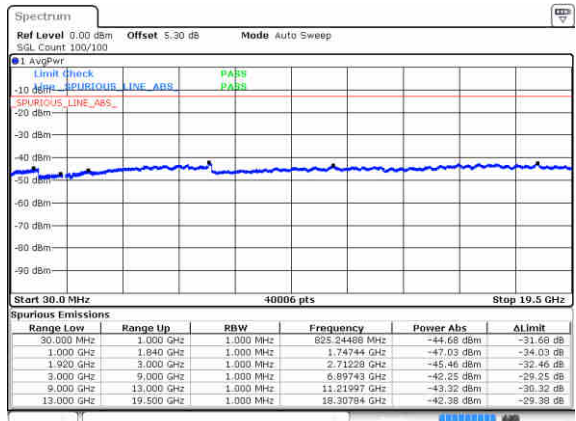
Date: 19 FEB 2020 02:51:55

Middle Channel / QPSK



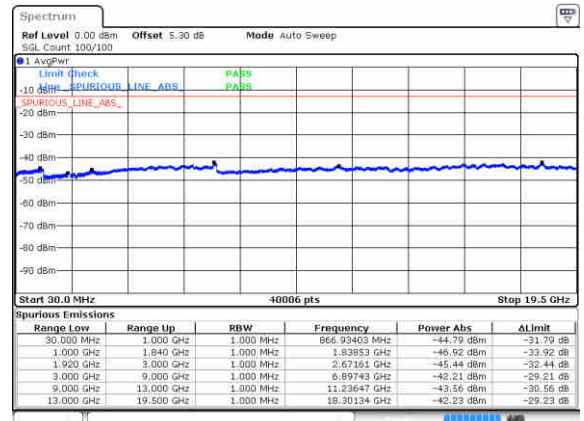
Date: 19 FEB 2020 02:48:49

Highest Channel / BPSK



Date: 19 FEB 2020 03:05:59

Highest Channel / QPSK



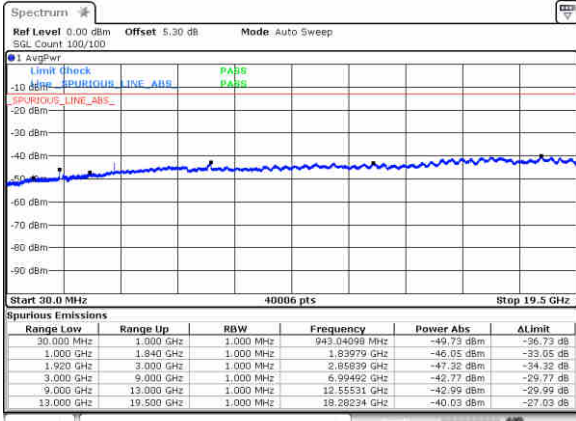
Date: 19 FEB 2020 02:58:14





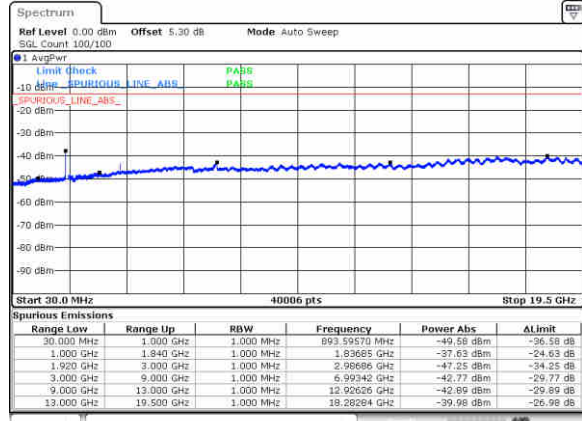
EN-DC\_12A\_n2A / LTE 10MHz + NR 5MHz

Lowest Channel / BPSK



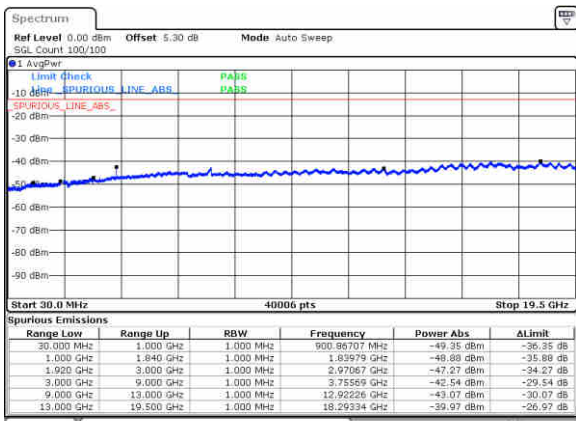
Date: 22 FEB 2020 13:12:50

Lowest Channel / QPSK



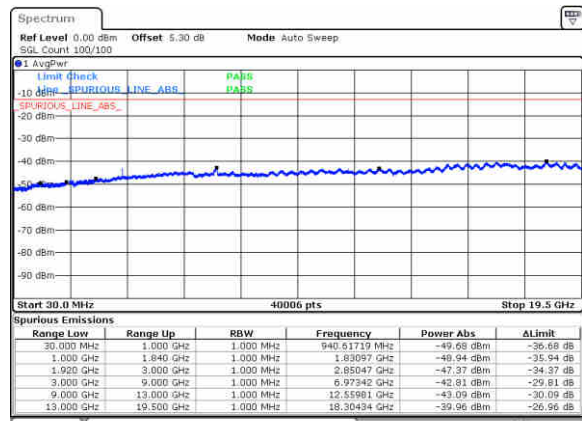
Date: 22 FEB 2020 13:14:37

Middle Channel / BPSK



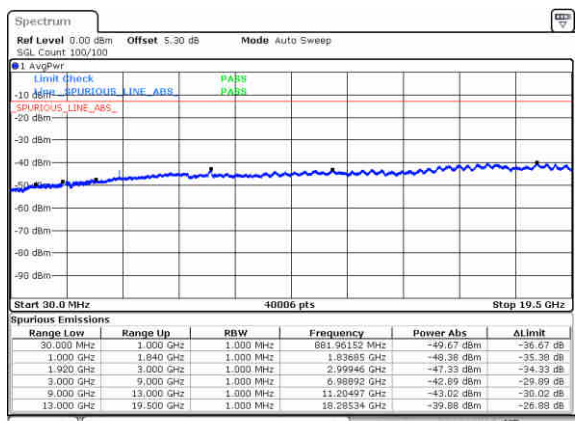
Date: 22 FEB 2020 13:23:22

Middle Channel / QPSK



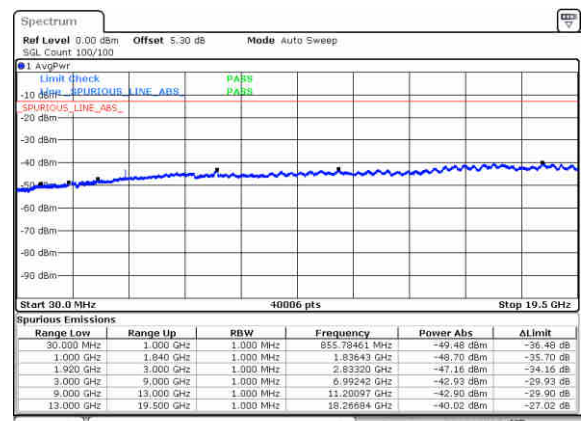
Date: 22 FEB 2020 13:21:28

Highest Channel / BPSK



Date: 19 FEB 2020 20:38:16

Highest Channel / QPSK

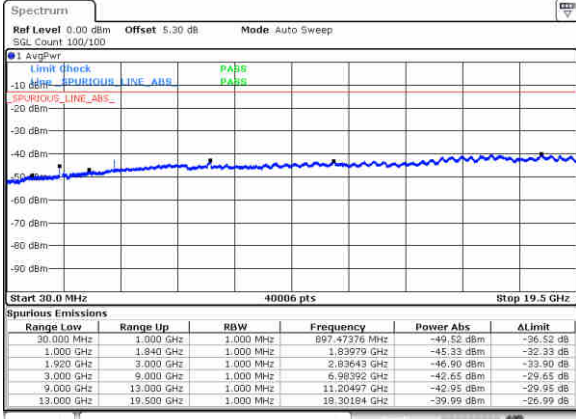


Date: 19 FEB 2020 20:37:16

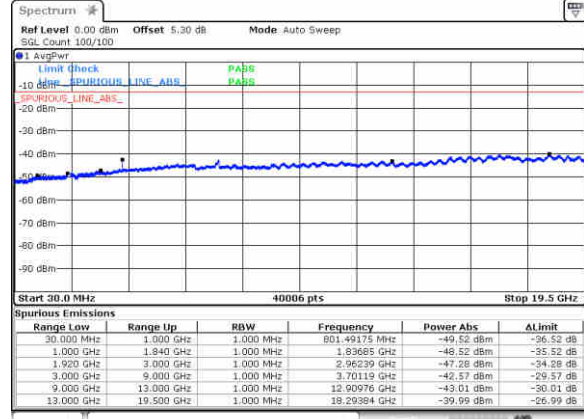


EN-DC\_12A\_n2A / LTE 10MHz + NR 10MHz

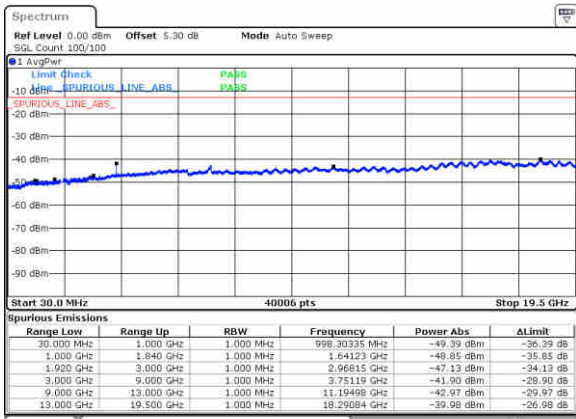
Lowest Channel / BPSK



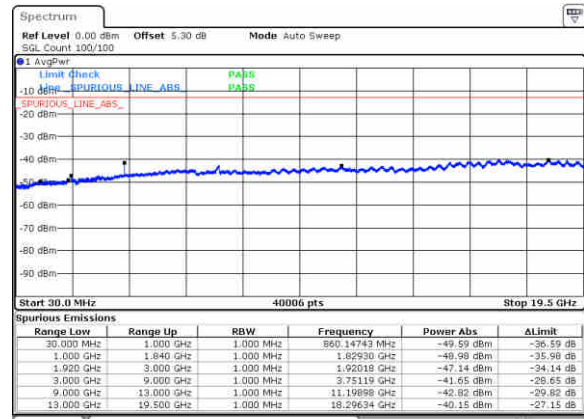
Lowest Channel / QPSK



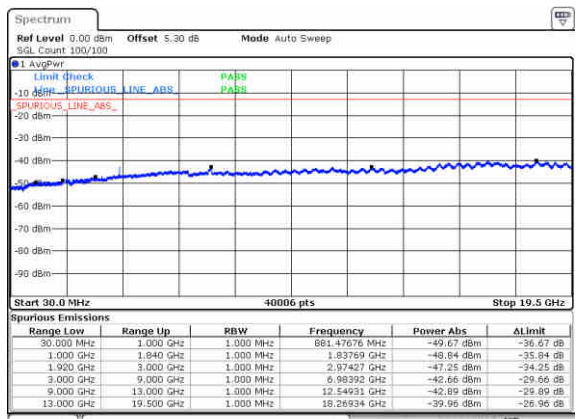
Middle Channel / BPSK



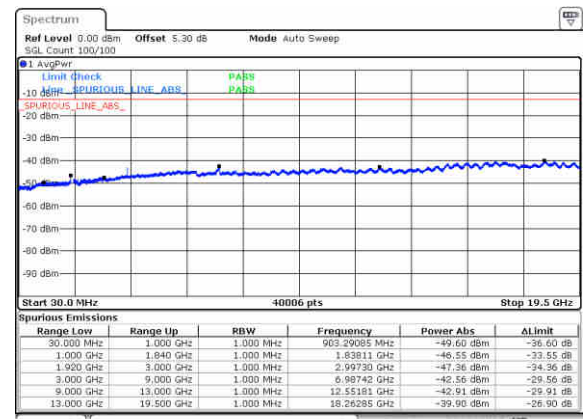
Middle Channel / QPSK



Highest Channel / BPSK



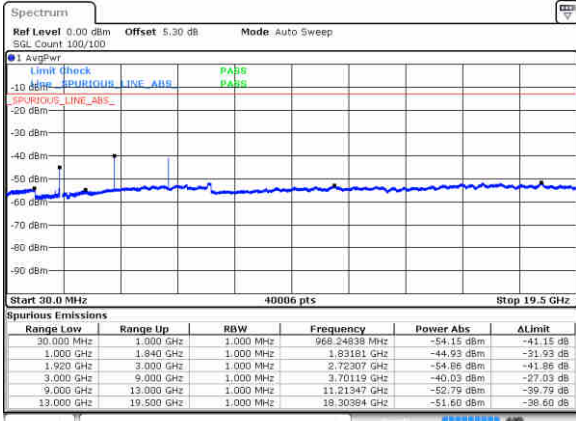
Highest Channel / QPSK





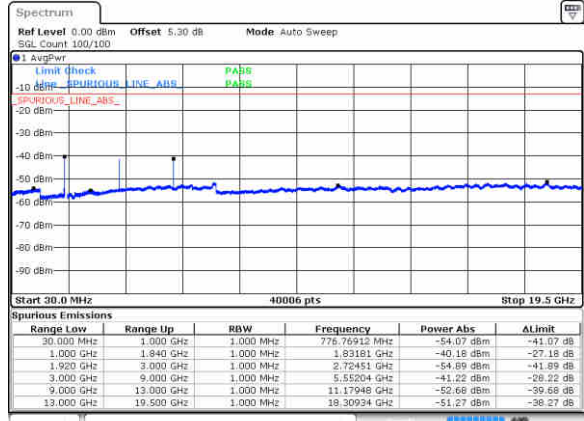
EN-DC\_12A\_n2A / LTE 10MHz + NR 20MHz

Lowest Channel / BPSK



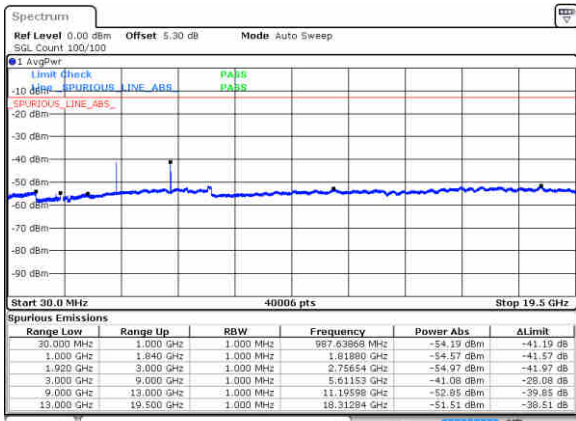
Date: 23 FEB 2020 18:14:12

Lowest Channel / QPSK



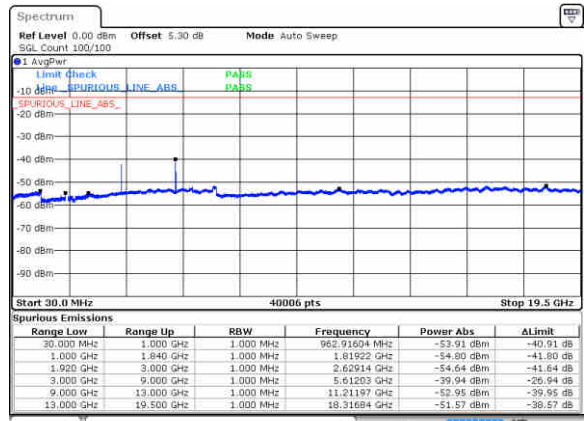
Date: 23 FEB 2020 18:04:53

Middle Channel / BPSK



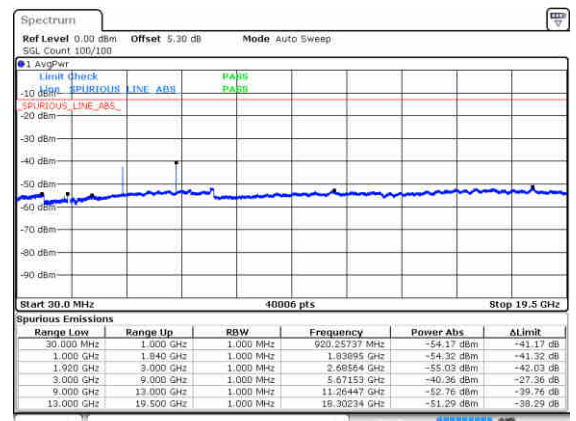
Date: 23 FEB 2020 18:35:22

Middle Channel / QPSK



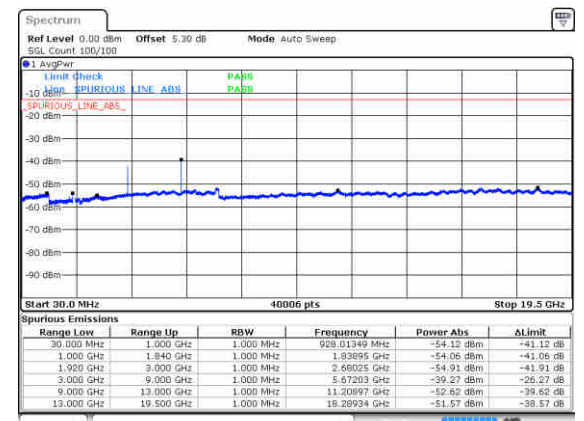
Date: 23 FEB 2020 18:37:09

Highest Channel / BPSK



Date: 23 FEB 2020 19:10:32

Highest Channel / QPSK



Date: 23 FEB 2020 19:12:22



### Frequency Stability

Test Conditions		EN-DC_5A_n2A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	LTE 10MHz + NR 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0012	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0018	

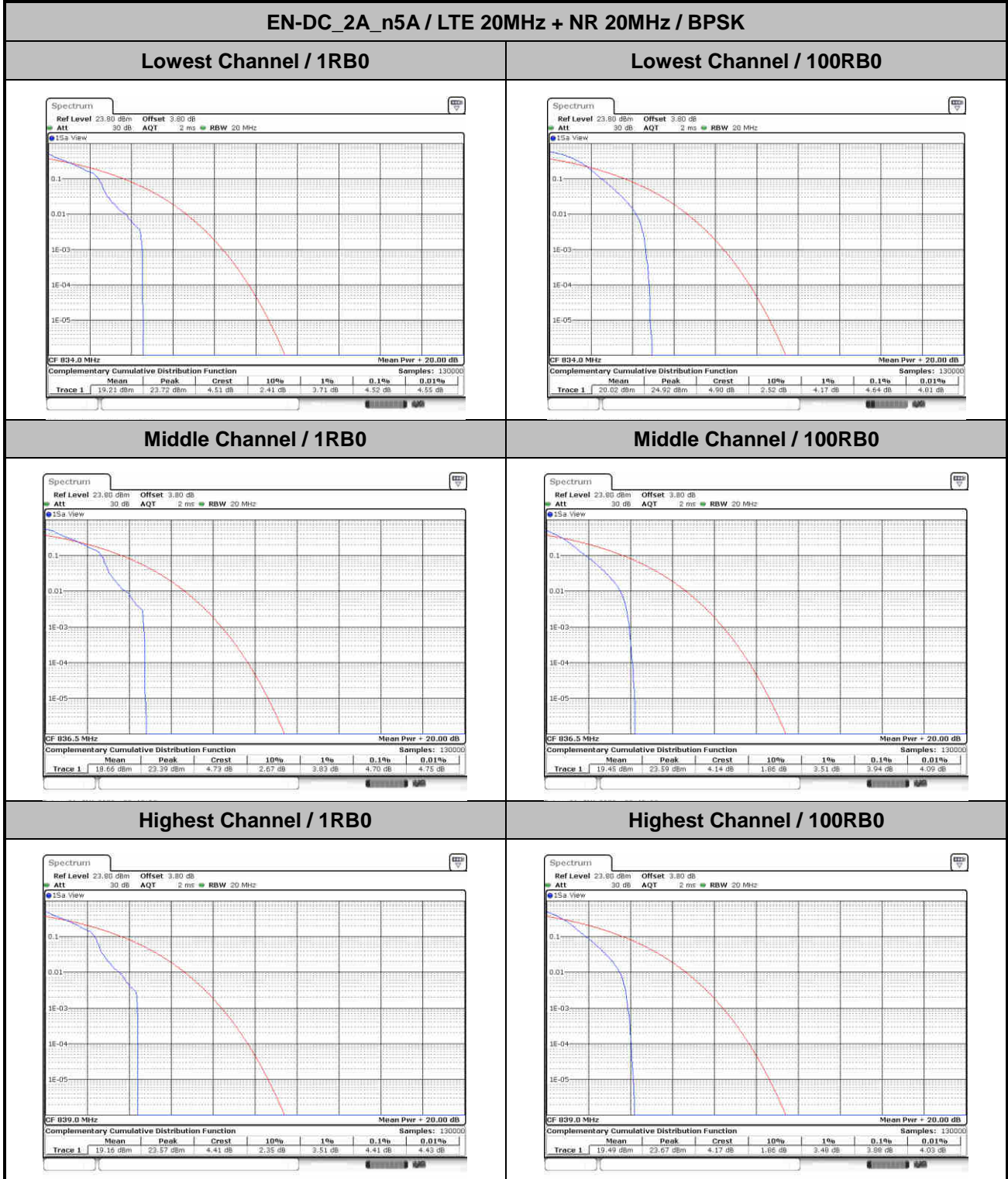
**Note:**

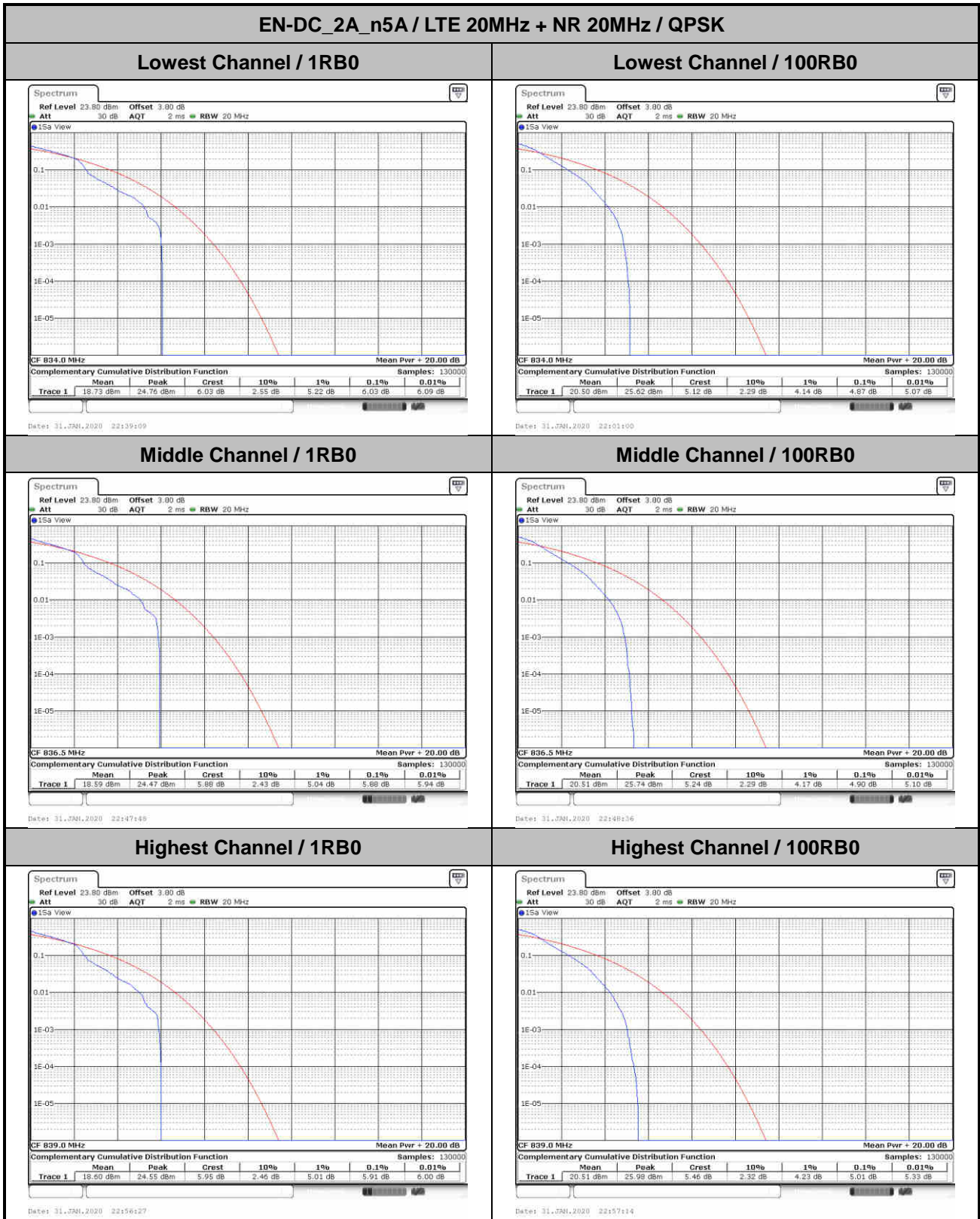
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# 5G NR n5

## Peak-to-Average Ratio







EN-DC\_66A\_n5A / LTE 20MHz + NR 20MHz / BPSK

Lowest Channel / 1RB0



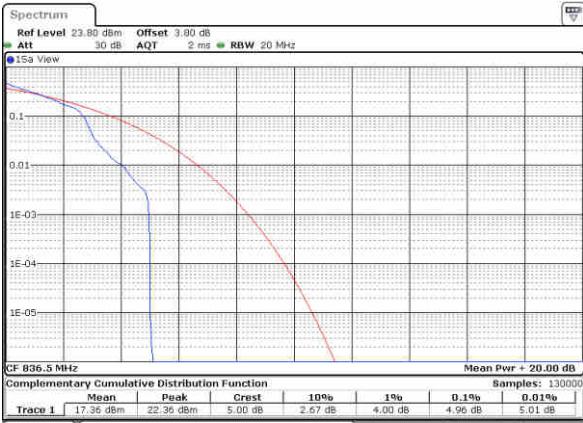
Date: 25.FEB.2020 17:51:45

Lowest Channel / 100RB0



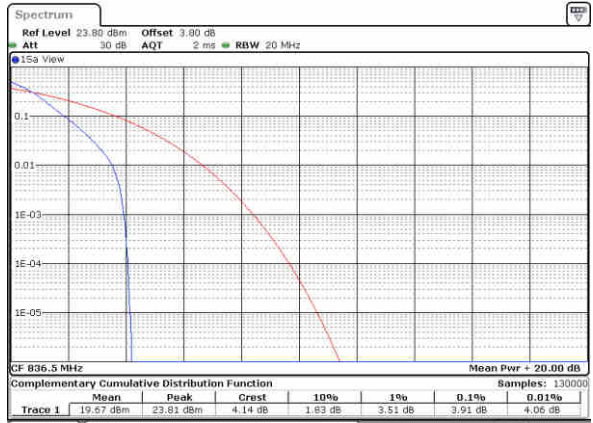
Date: 25.FEB.2020 17:52:49

Middle Channel / 1RB0



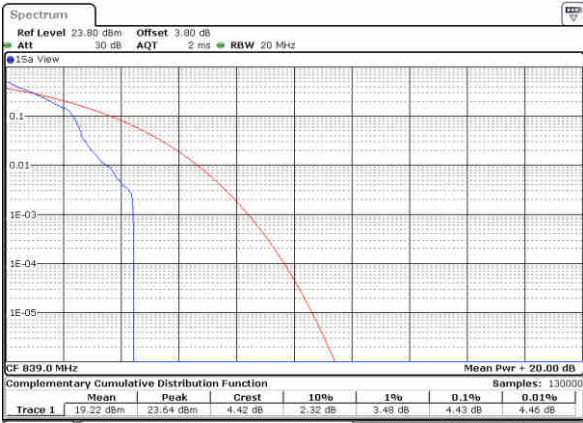
Date: 25.FEB.2020 18:15:12

Middle Channel / 100RB0



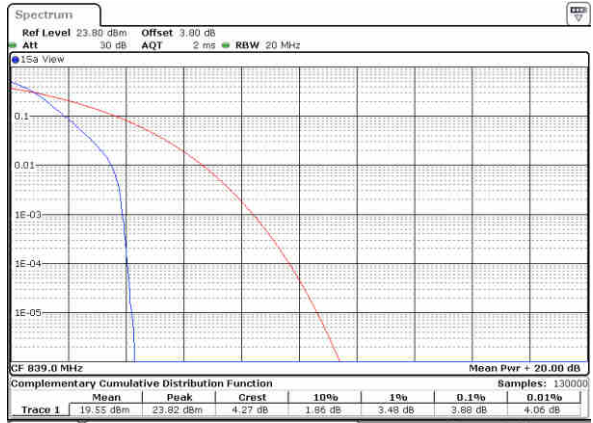
Date: 25.FEB.2020 18:12:49

Highest Channel / 1RB0



Date: 25.FEB.2020 18:35:51

Highest Channel / 100RB0



Date: 25.FEB.2020 18:36:47



EN-DC\_66A\_n5A / LTE 20MHz + NR 20MHz / QPSK

Lowest Channel / 1RB0



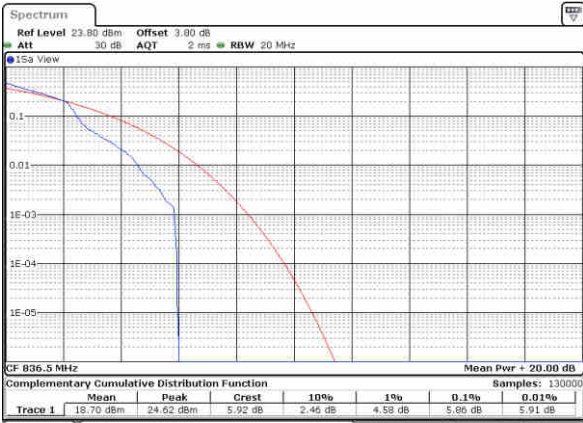
Date: 25.FEB.2020 17:53:43

Lowest Channel / 100RB0



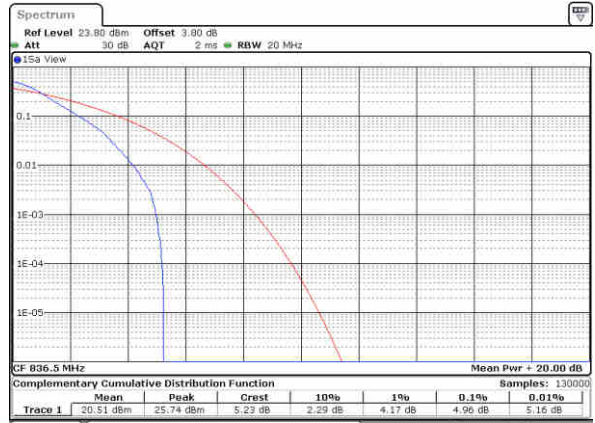
Date: 25.FEB.2020 17:53:15

Middle Channel / 1RB0



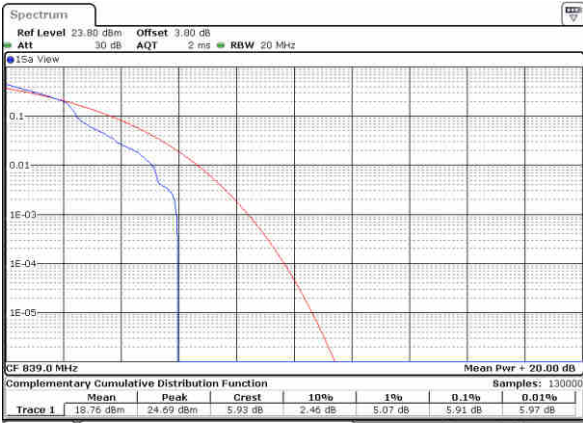
Date: 25.FEB.2020 18:10:59

Middle Channel / 100RB0



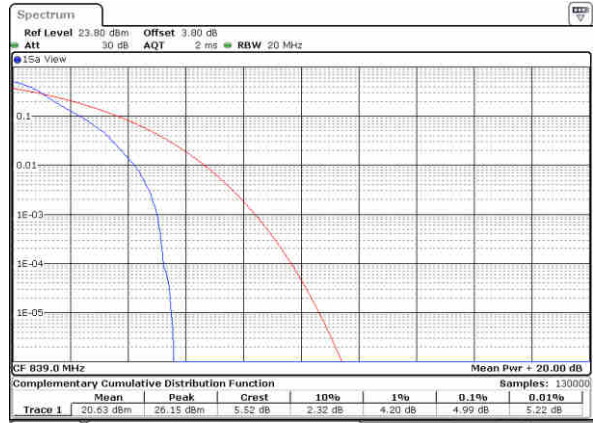
Date: 25.FEB.2020 18:11:57

Highest Channel / 1RB0



Date: 25.FEB.2020 18:36:11

Highest Channel / 100RB0



Date: 25.FEB.2020 18:36:31



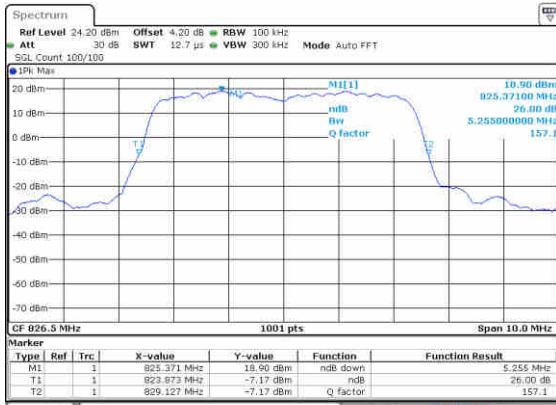


**26dB Bandwidth**

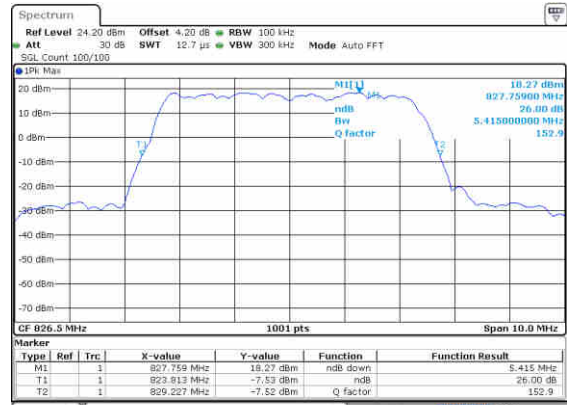
**EN-DC\_2A\_n5A**

**Combination LTE 20MHz + NR 5MHz**

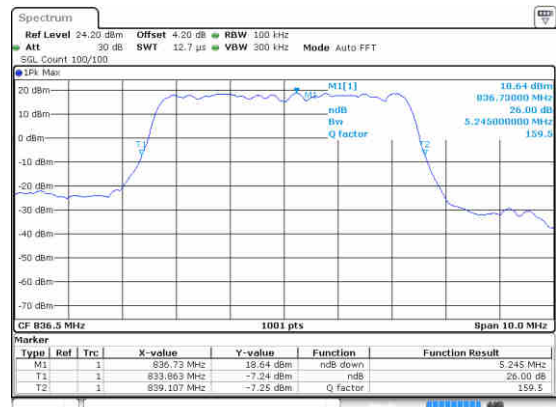
**Lowest Channel / BPSK**



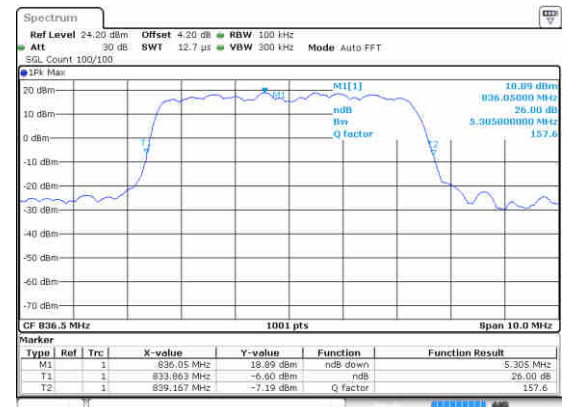
**Lowest Channel / QPSK**



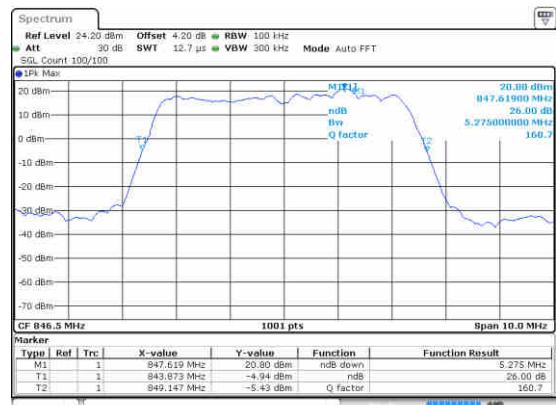
**Middle Channel / BPSK**



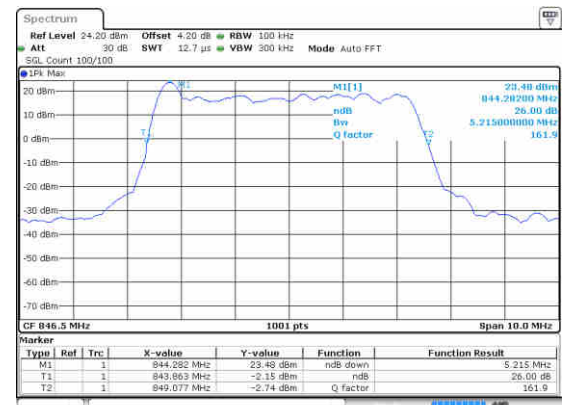
**Middle Channel / QPSK**



**Highest Channel / BPSK**



**Highest Channel / QPSK**

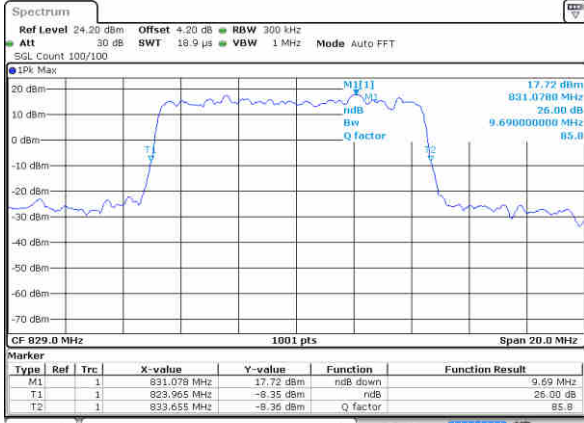




EN-DC\_2A\_n5A

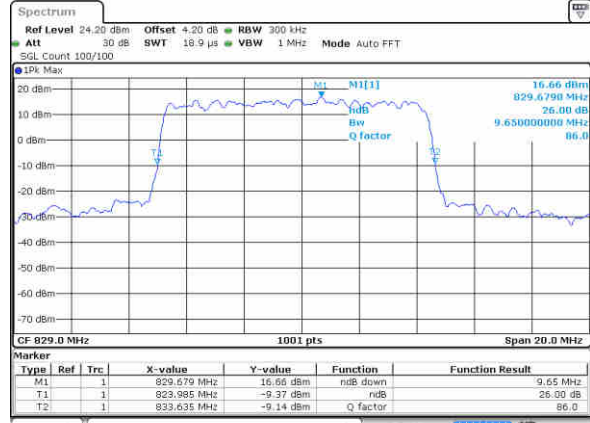
Combination LTE 20MHz + NR 10MHz

Lowest Channel / BPSK



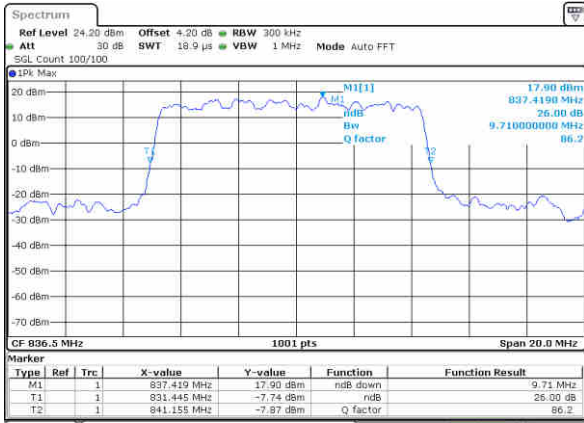
Date: 18.FEB.2020 02:32:10

Lowest Channel / QPSK



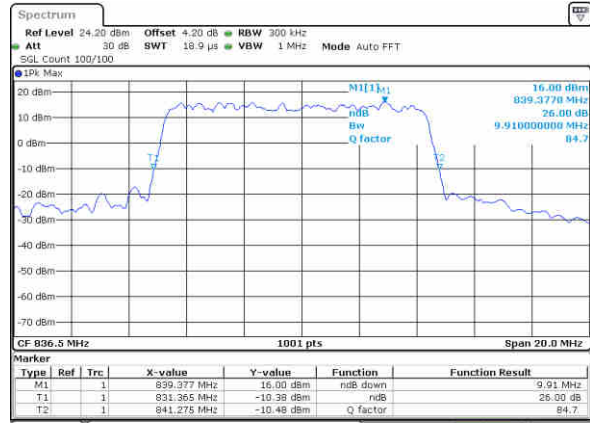
Date: 18.FEB.2020 02:31:35

Middle Channel / BPSK



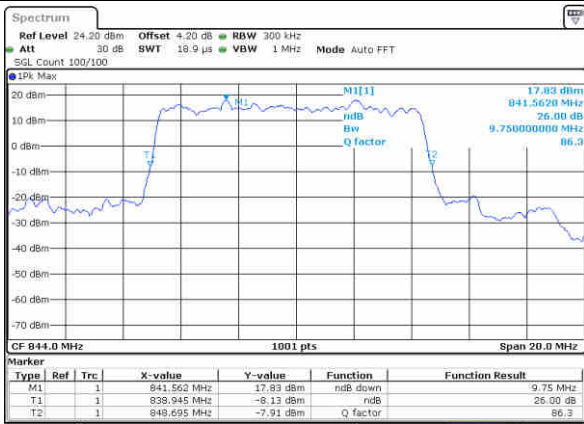
Date: 18.FEB.2020 03:14:33

Middle Channel / QPSK



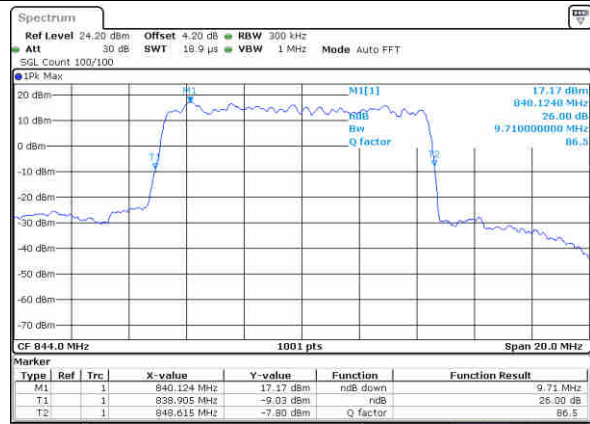
Date: 18.FEB.2020 03:15:38

Highest Channel / BPSK



Date: 18.FEB.2020 03:24:36

Highest Channel / QPSK



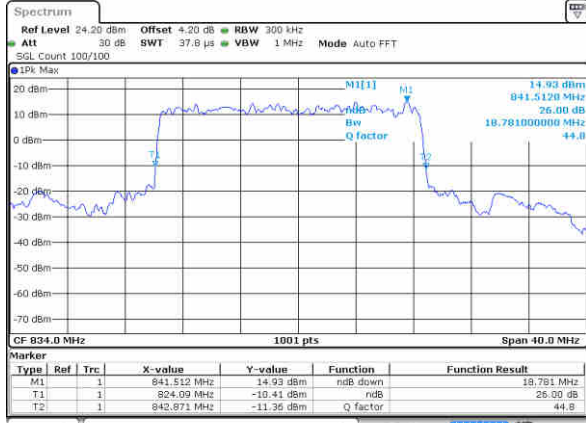
Date: 18.FEB.2020 03:42:28



EN-DC\_2A\_n5A

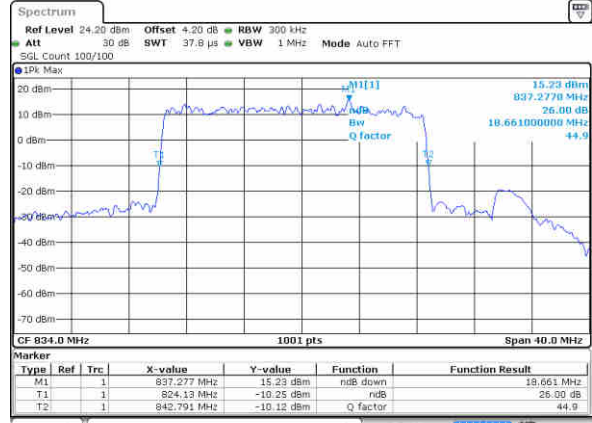
Combination LTE 20MHz + NR 20MHz

Lowest Channel / BPSK



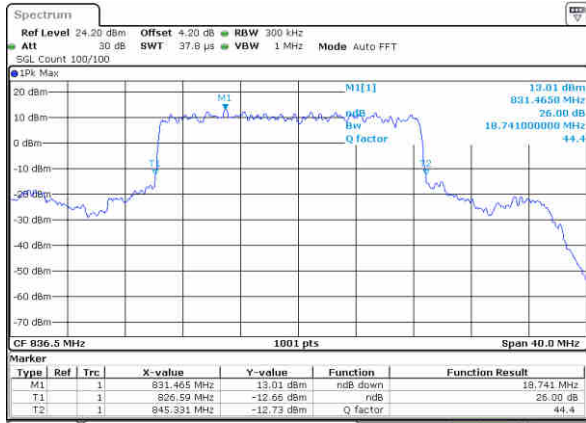
Date: 18.FEB.2020 01:03:03

Lowest Channel / QPSK



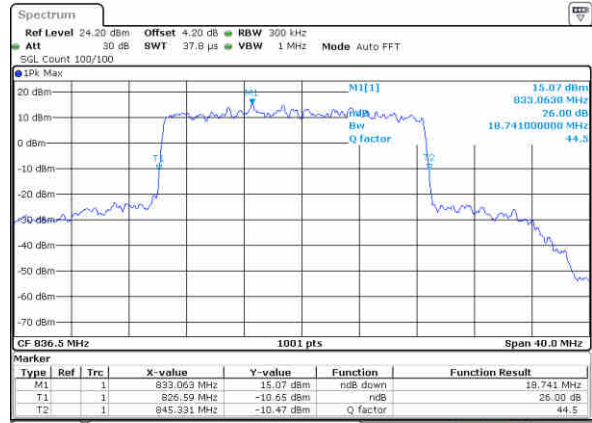
Date: 18.FEB.2020 01:04:26

Middle Channel / BPSK



Date: 18.FEB.2020 01:32:04

Middle Channel / QPSK



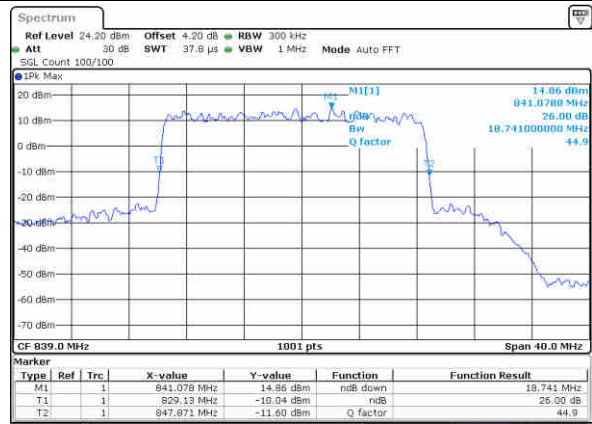
Date: 18.FEB.2020 01:23:15

Highest Channel / BPSK



Date: 18.FEB.2020 01:37:54

Highest Channel / QPSK



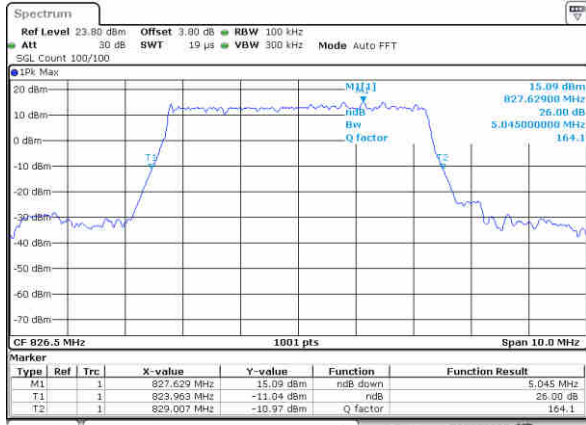
Date: 18.FEB.2020 01:48:01



EN-DC\_66A\_n5A

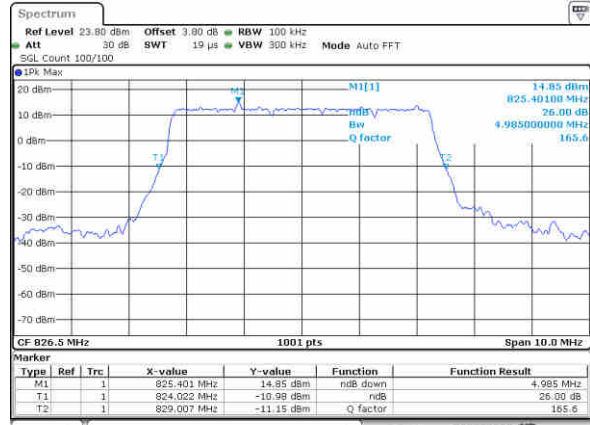
Combination LTE 20MHz + NR 5MHz

Lowest Channel / BPSK



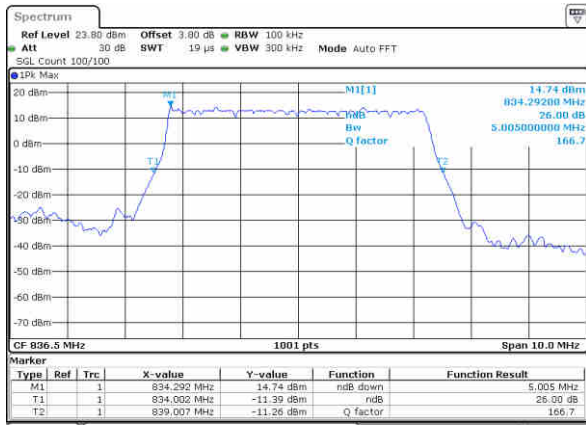
Date: 25\_FEB\_2020 20:52:23

Lowest Channel / QPSK



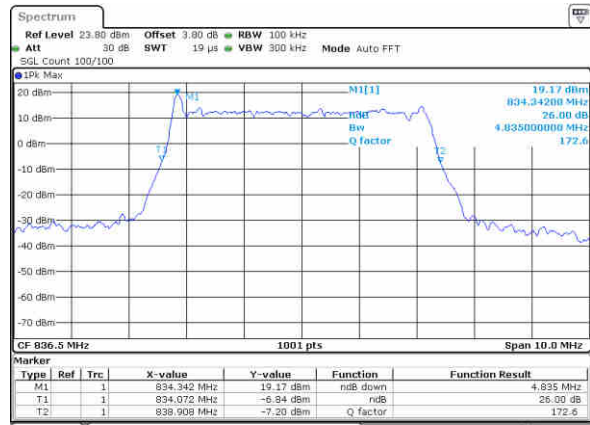
Date: 25\_FEB\_2020 20:54:40

Middle Channel / BPSK



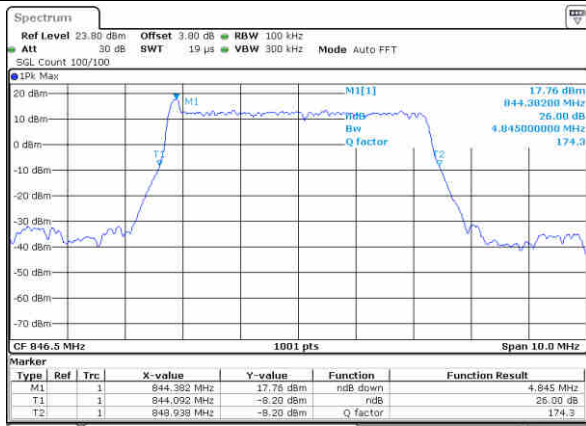
Date: 25\_FEB\_2020 21:00:35

Middle Channel / QPSK



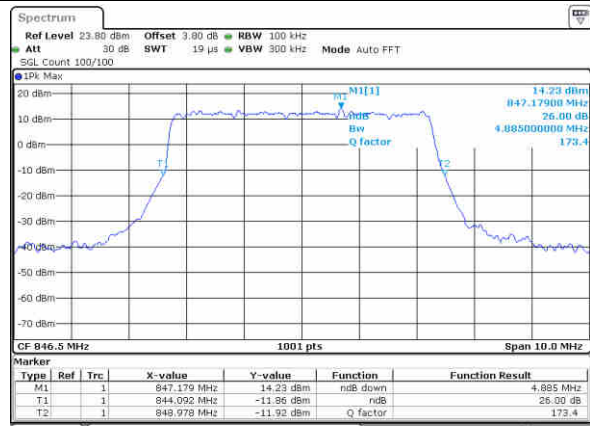
Date: 25\_FEB\_2020 21:00:16

Highest Channel / BPSK



Date: 25\_FEB\_2020 21:11:39

Highest Channel / QPSK



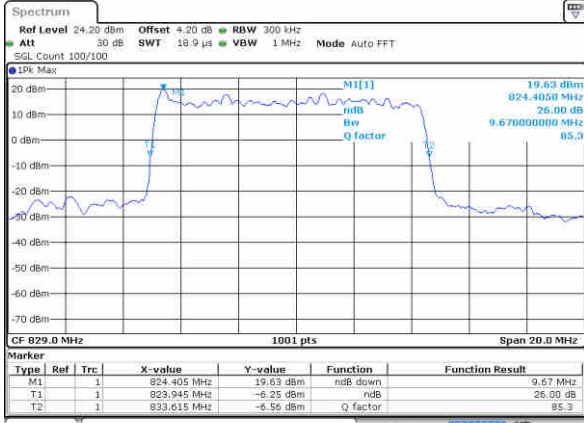
Date: 25\_FEB\_2020 21:11:23



EN-DC\_66A\_n5A

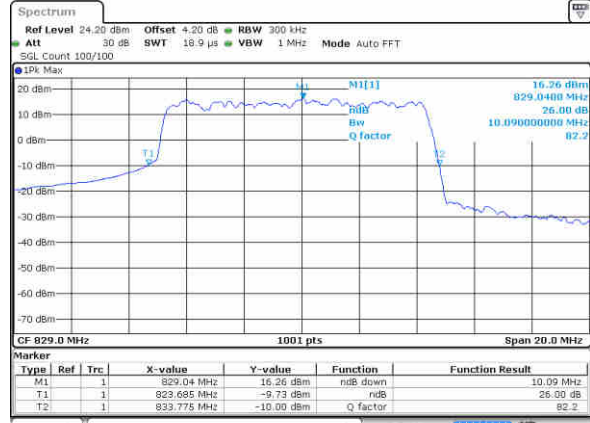
Combination LTE 20MHz + NR 10MHz

Lowest Channel / BPSK



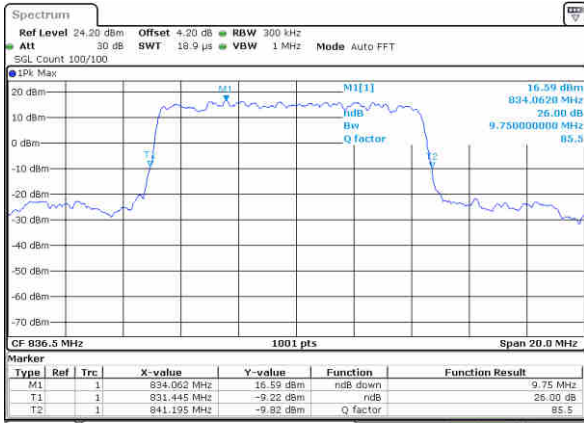
Date: 18.FEB.2020 07:16:40

Lowest Channel / QPSK



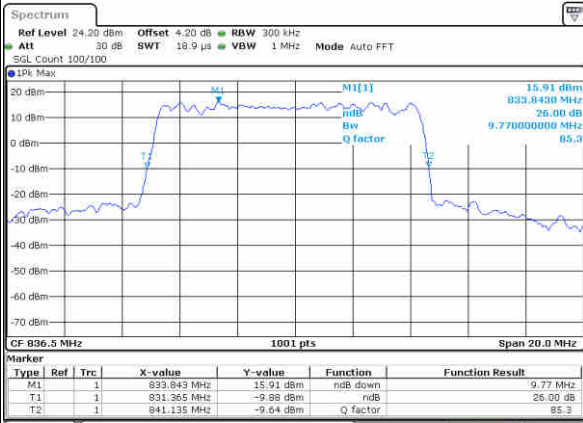
Date: 18.FEB.2020 06:56:20

Middle Channel / BPSK



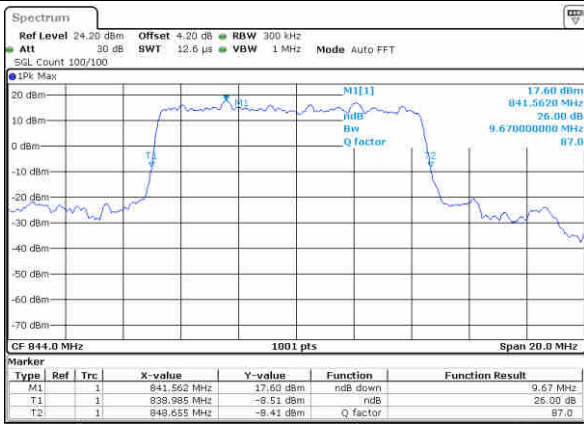
Date: 18.FEB.2020 07:23:28

Middle Channel / QPSK



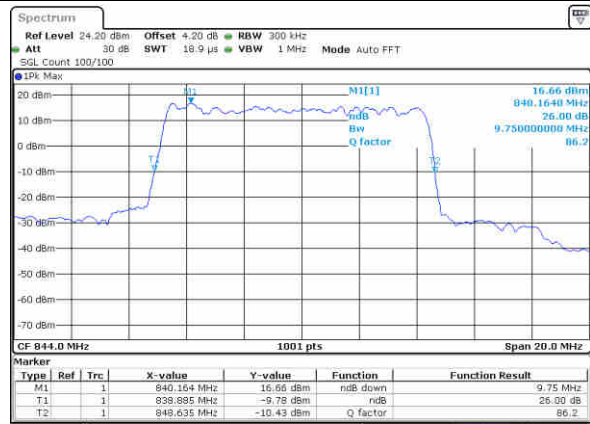
Date: 18.FEB.2020 07:31:48

Highest Channel / BPSK



Date: 25.FEB.2020 19:27:15

Highest Channel / QPSK



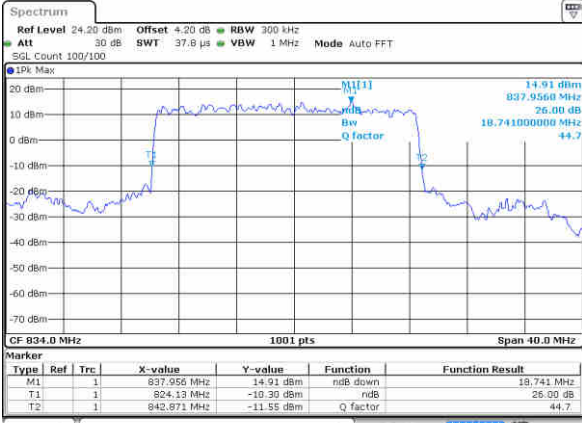
Date: 18.FEB.2020 07:41:07



EN-DC\_66A\_n5A

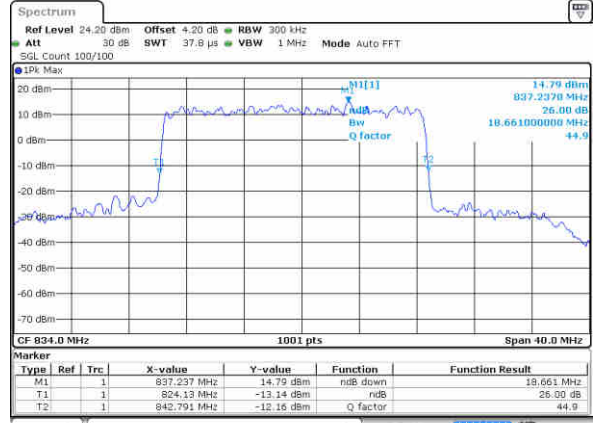
Combination LTE 20MHz + NR 20MHz

Lowest Channel / BPSK



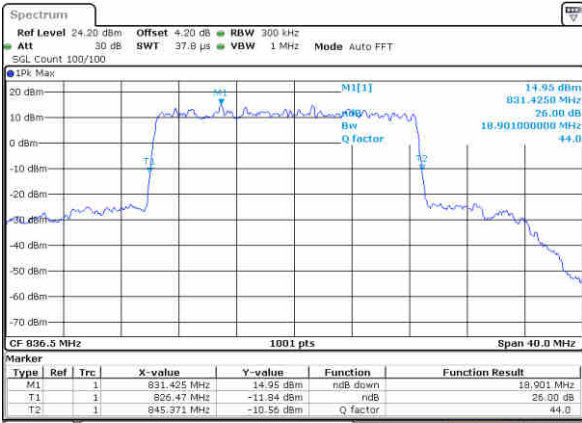
Date: 18.FEB.2020 05:31:00

Lowest Channel / QPSK



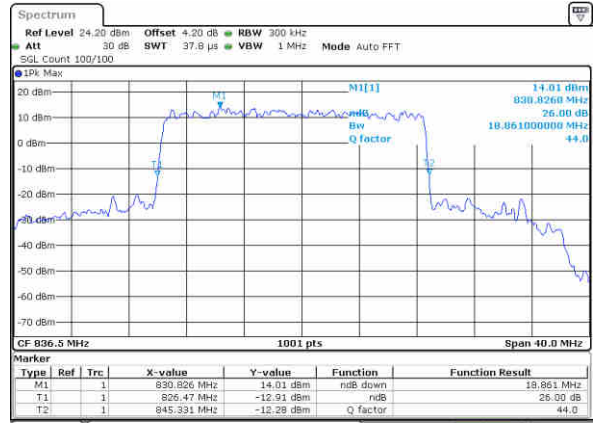
Date: 18.FEB.2020 05:43:16

Middle Channel / BPSK



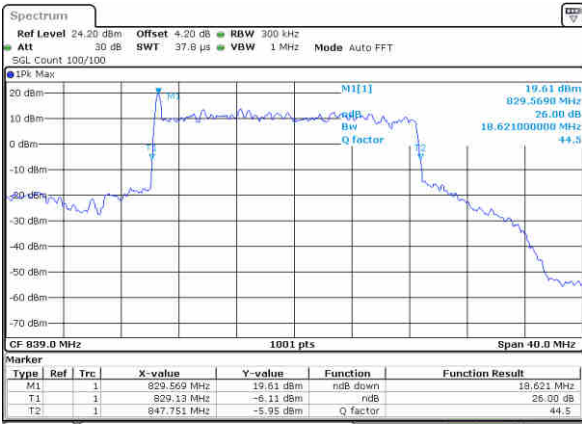
Date: 18.FEB.2020 06:25:47

Middle Channel / QPSK



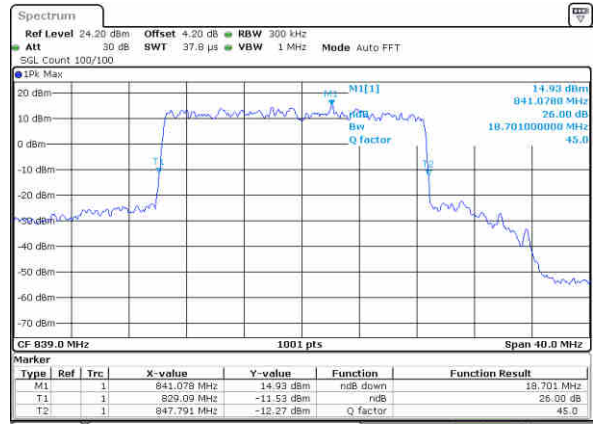
Date: 18.FEB.2020 06:16:23

Highest Channel / BPSK



Date: 18.FEB.2020 06:33:07

Highest Channel / QPSK



Date: 18.FEB.2020 06:44:38

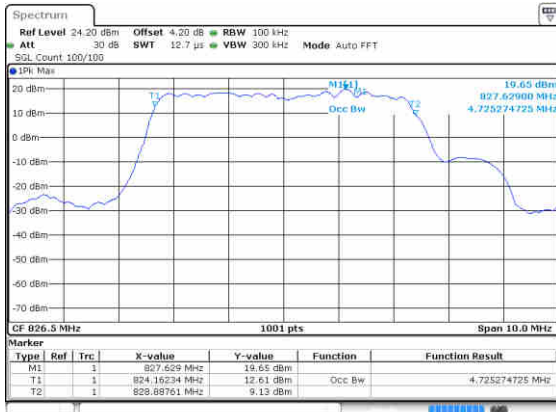


# Occupied Bandwidth

## EN-DC\_2A\_n5A

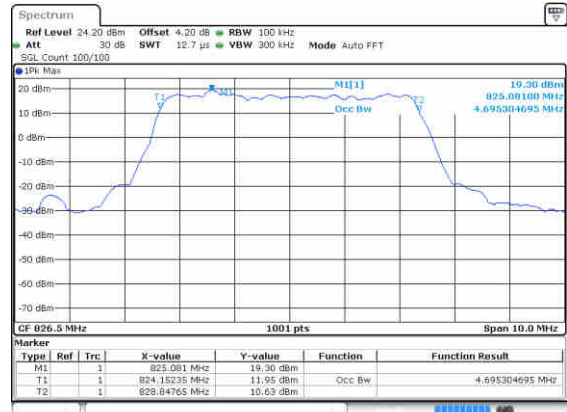
### Combination LTE 20MHz + NR 5MHz

#### Lowest Channel / BPSK



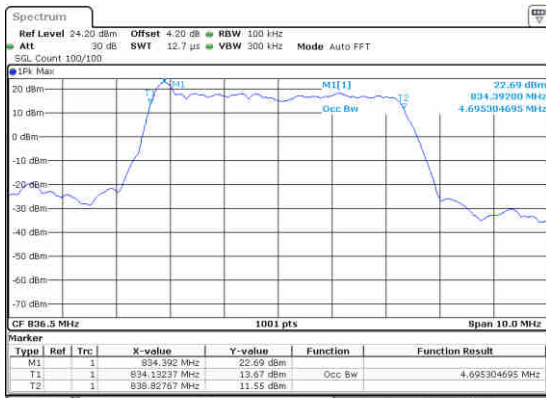
Date: 18 FEB 2020 04:12:40

#### Lowest Channel / QPSK



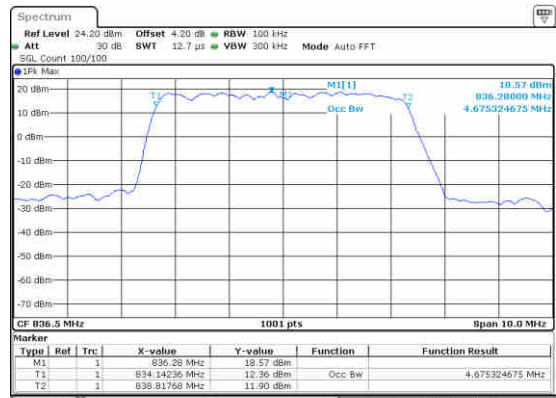
Date: 18 FEB 2020 03:47:58

#### Middle Channel / BPSK



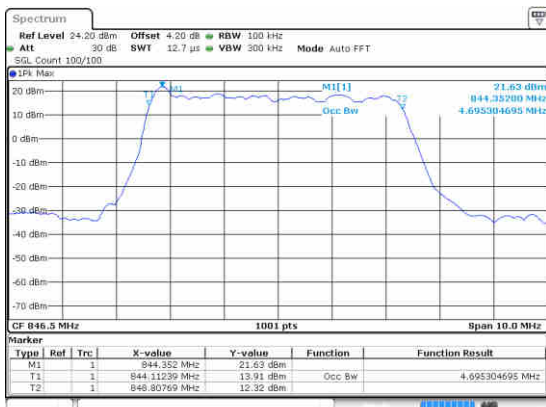
Date: 18 FEB 2020 04:12:40

#### Middle Channel / QPSK



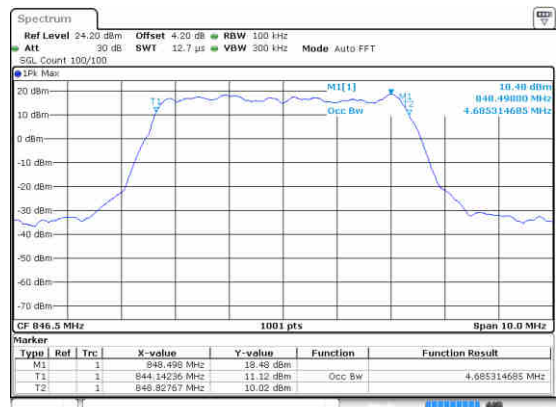
Date: 18 FEB 2020 03:47:58

#### Highest Channel / BPSK



Date: 18 FEB 2020 04:12:40

#### Highest Channel / QPSK



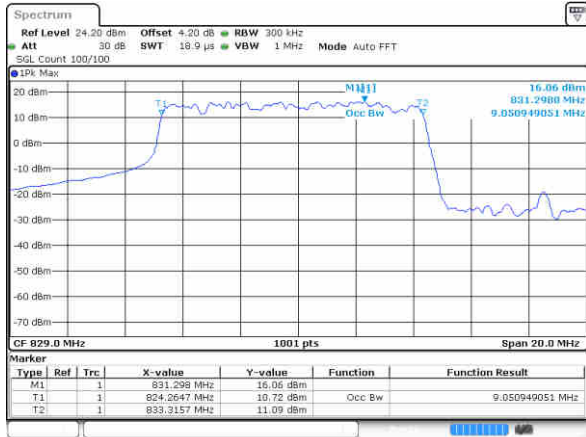
Date: 18 FEB 2020 03:47:58



EN-DC\_2A\_n5A

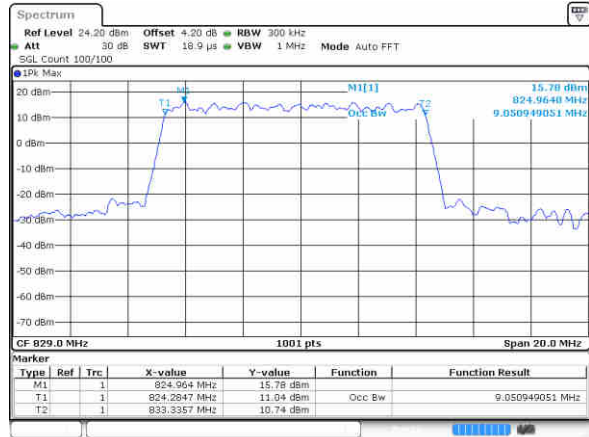
Combination LTE 20MHz + NR 10MHz

Lowest Channel / BPSK



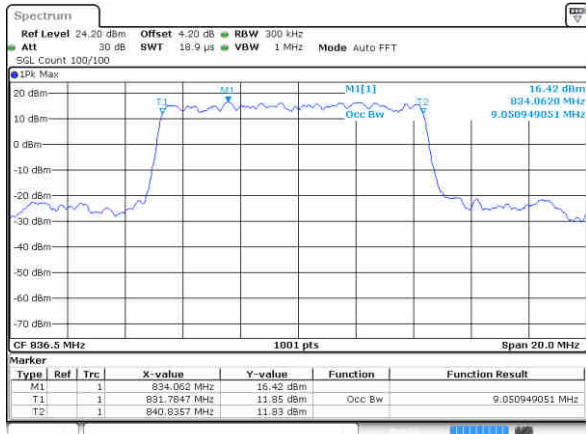
Date: 18.FEB.2020 02:31:56

Lowest Channel / QPSK



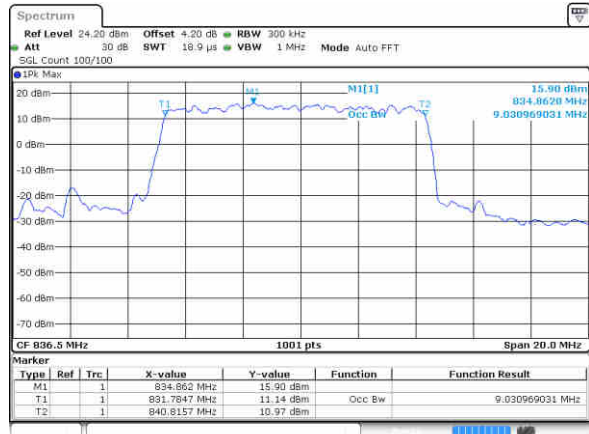
Date: 18.FEB.2020 02:31:24

Middle Channel / BPSK



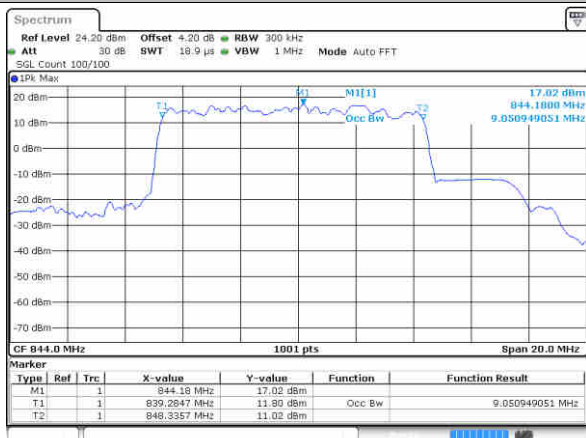
Date: 18.FEB.2020 03:14:23

Middle Channel / QPSK



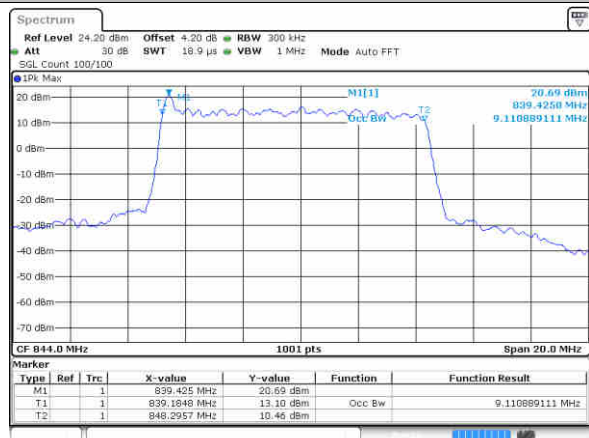
Date: 18.FEB.2020 03:15:20

Highest Channel / BPSK



Date: 18.FEB.2020 03:24:25

Highest Channel / QPSK



Date: 18.FEB.2020 03:42:15

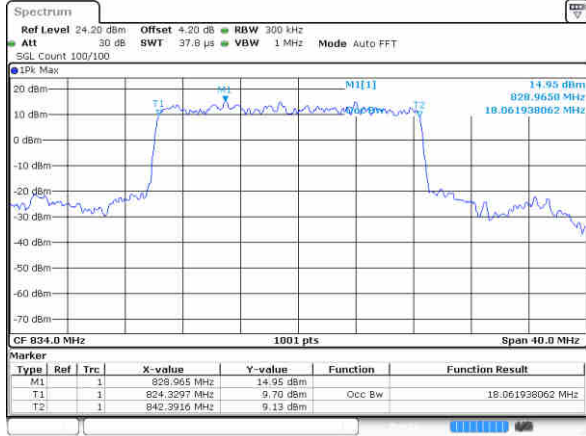




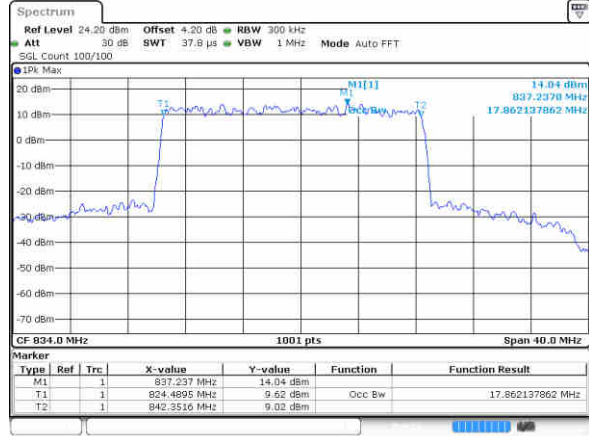
EN-DC\_2A\_n5A

Combination LTE 20MHz + NR 20MHz

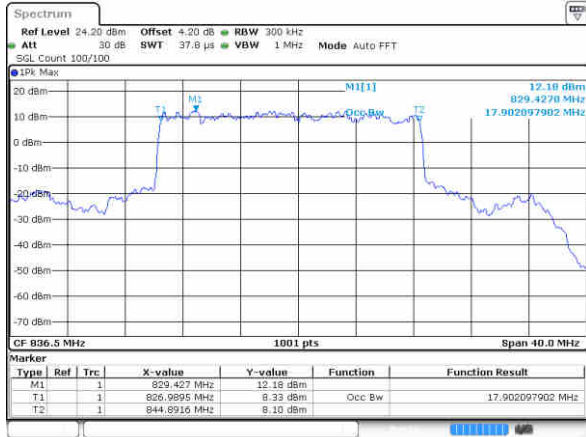
Lowest Channel / BPSK



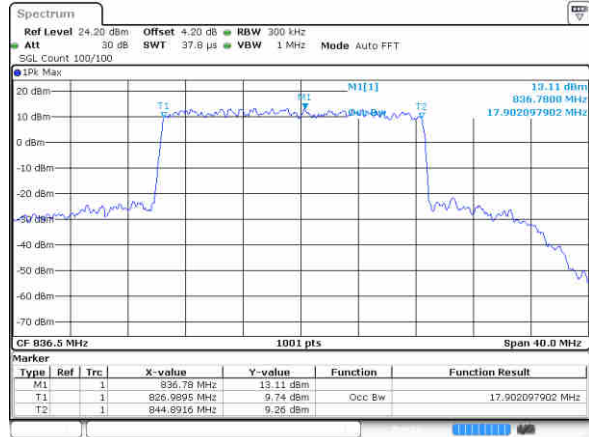
Lowest Channel / QPSK



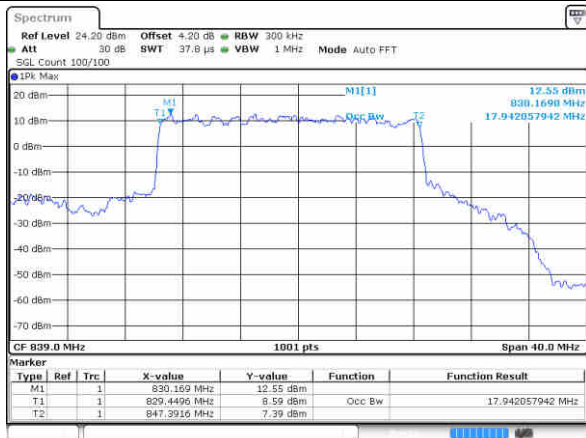
Middle Channel / BPSK



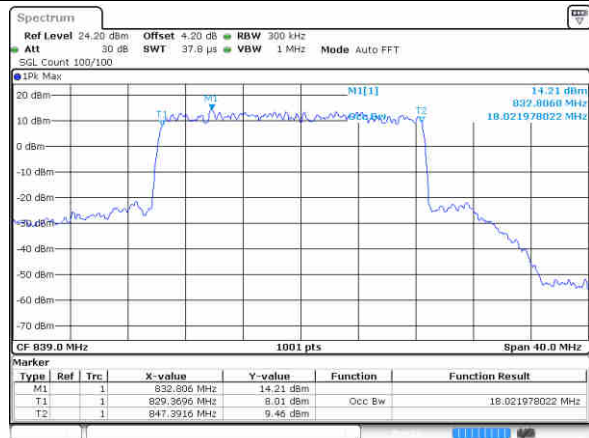
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

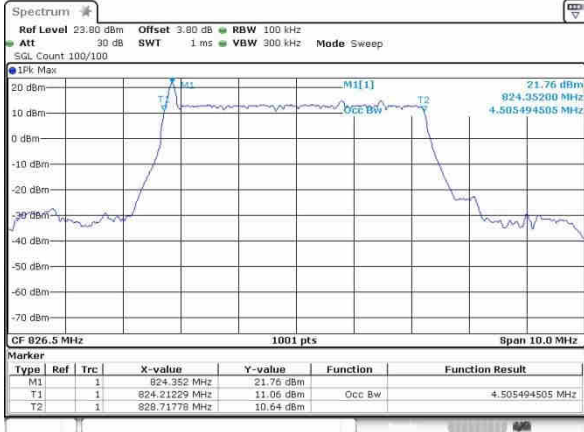




EN-DC\_66A\_n5A

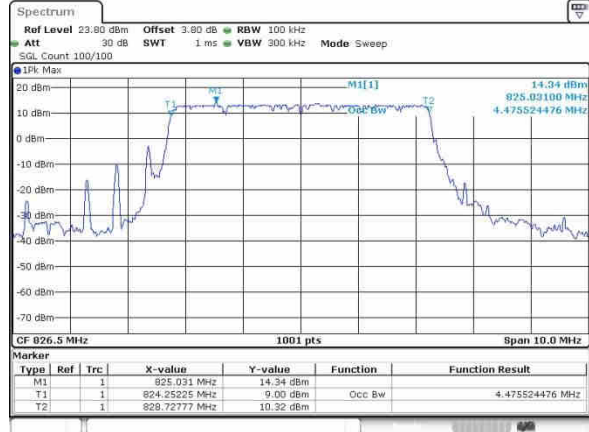
Combination LTE 20MHz + NR 5MHz

Lowest Channel / BPSK



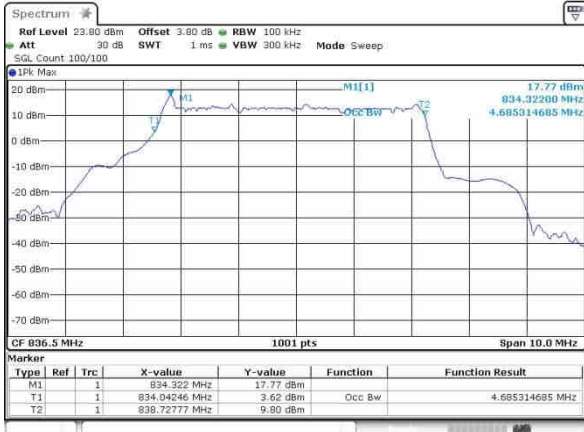
Date: 25.FEB.2020 20:53:16

Lowest Channel / QPSK



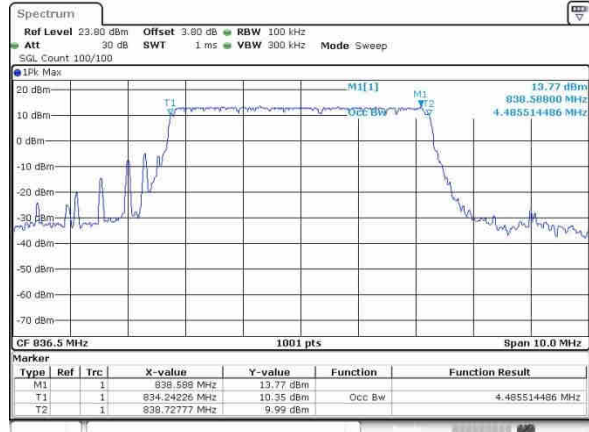
Date: 25.FEB.2020 20:54:16

Middle Channel / BPSK



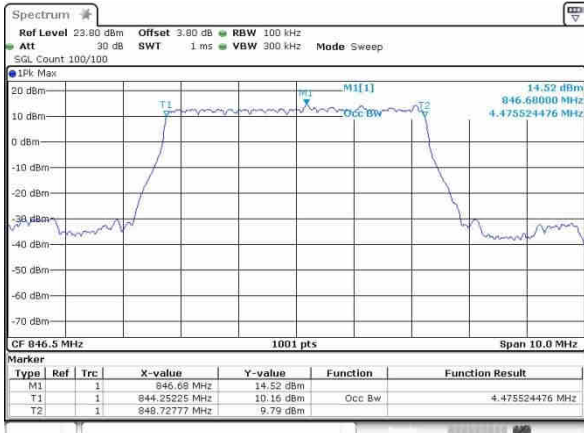
Date: 25.FEB.2020 20:59:08

Middle Channel / QPSK



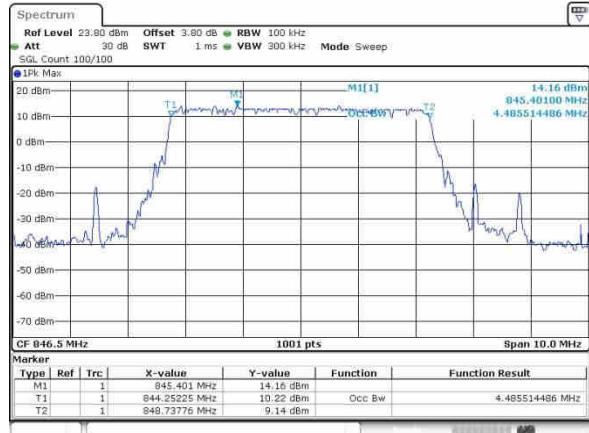
Date: 25.FEB.2020 20:59:54

Highest Channel / BPSK



Date: 25.FEB.2020 21:10:25

Highest Channel / QPSK



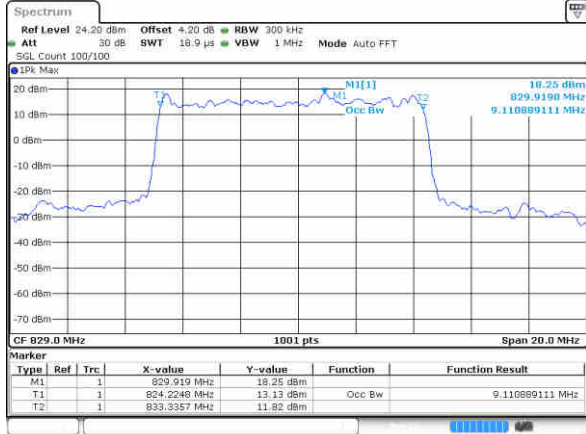
Date: 25.FEB.2020 21:10:55



EN-DC\_66A\_n5A

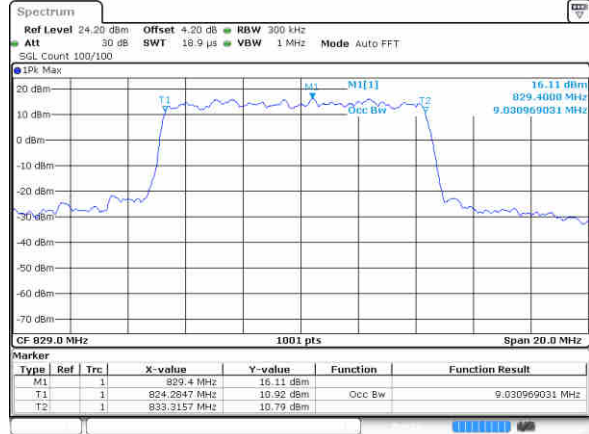
Combination LTE 20MHz + NR 10MHz

Lowest Channel / BPSK



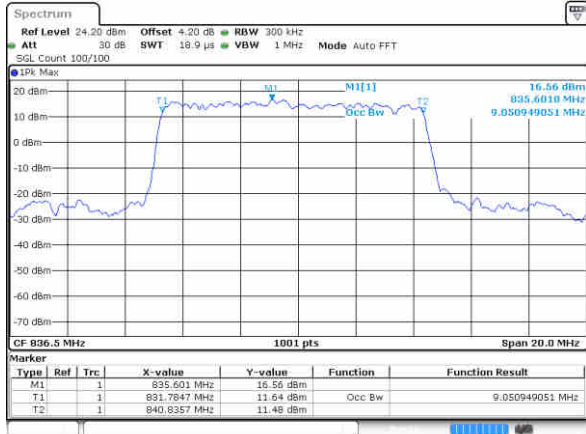
Date: 18.FEB.2020 07:16:24

Lowest Channel / QPSK



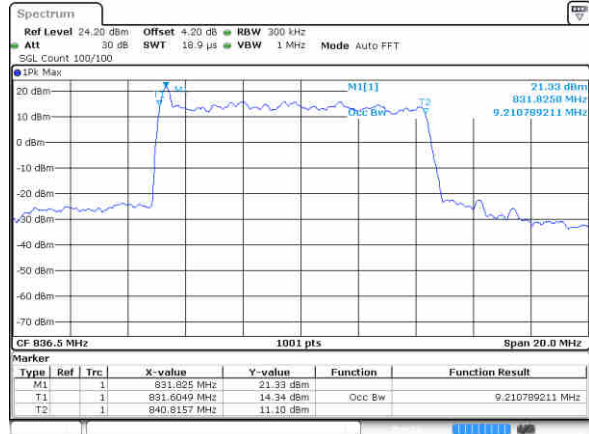
Date: 18.FEB.2020 06:56:09

Middle Channel / BPSK



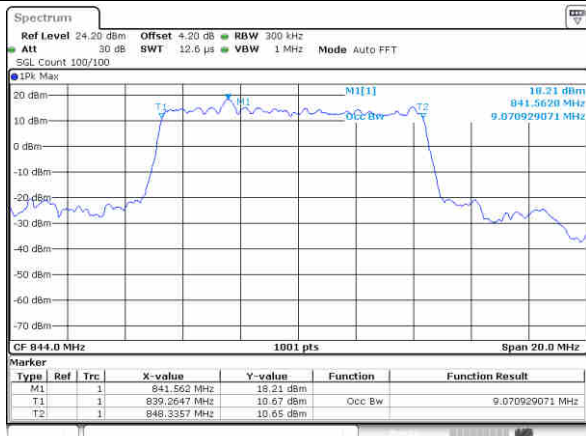
Date: 18.FEB.2020 07:23:03

Middle Channel / QPSK



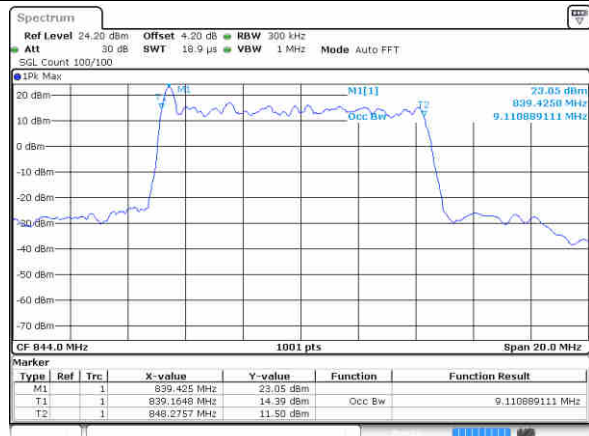
Date: 18.FEB.2020 07:28:57

Highest Channel / BPSK



Date: 25.FEB.2020 19:27:52

Highest Channel / QPSK



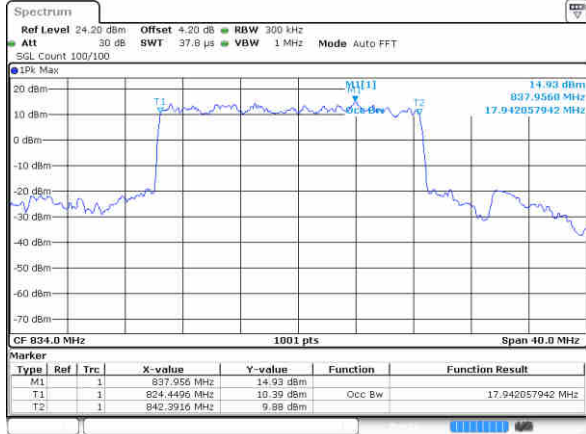
Date: 18.FEB.2020 07:40:51



EN-DC\_66A\_n5A

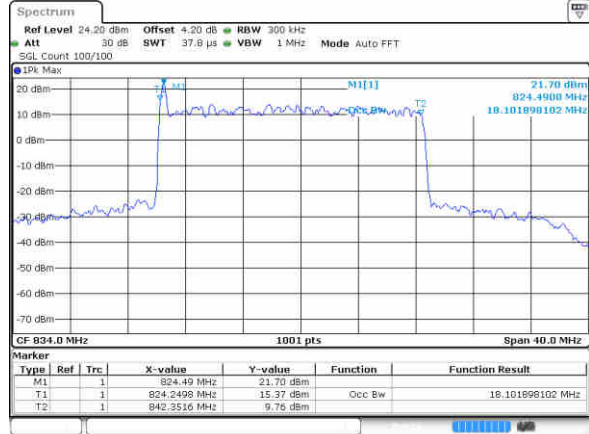
Combination LTE 20MHz + NR 20MHz

Lowest Channel / BPSK



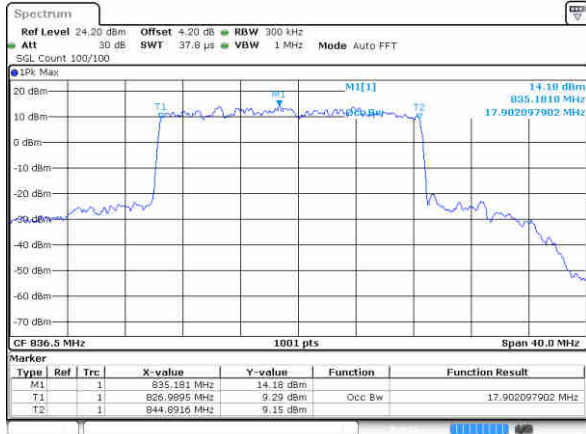
Date: 18.FEB.2020 05:30:47

Lowest Channel / QPSK



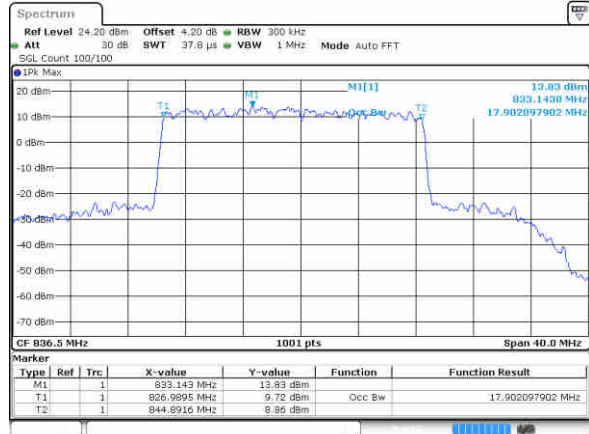
Date: 18.FEB.2020 05:42:49

Middle Channel / BPSK



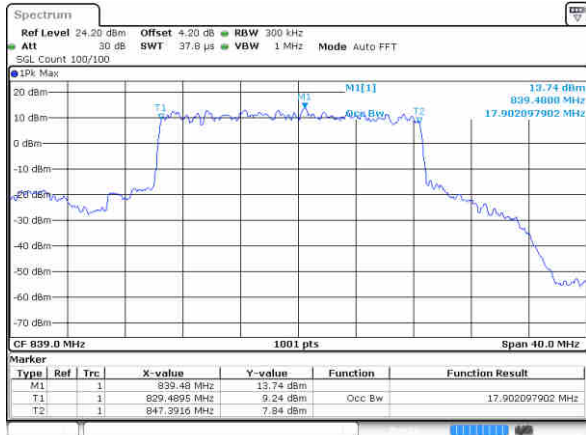
Date: 18.FEB.2020 06:25:28

Middle Channel / QPSK



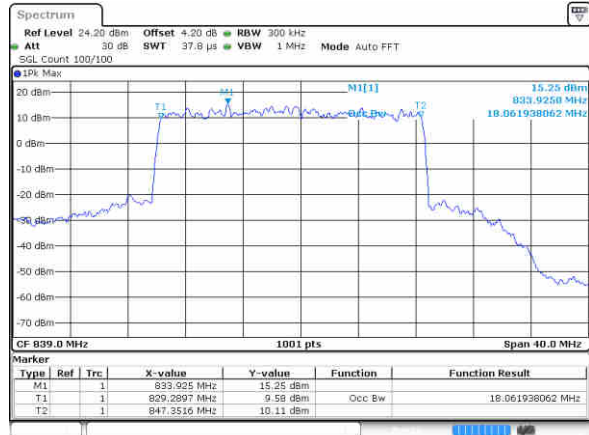
Date: 18.FEB.2020 06:16:08

Highest Channel / BPSK



Date: 18.FEB.2020 06:32:56

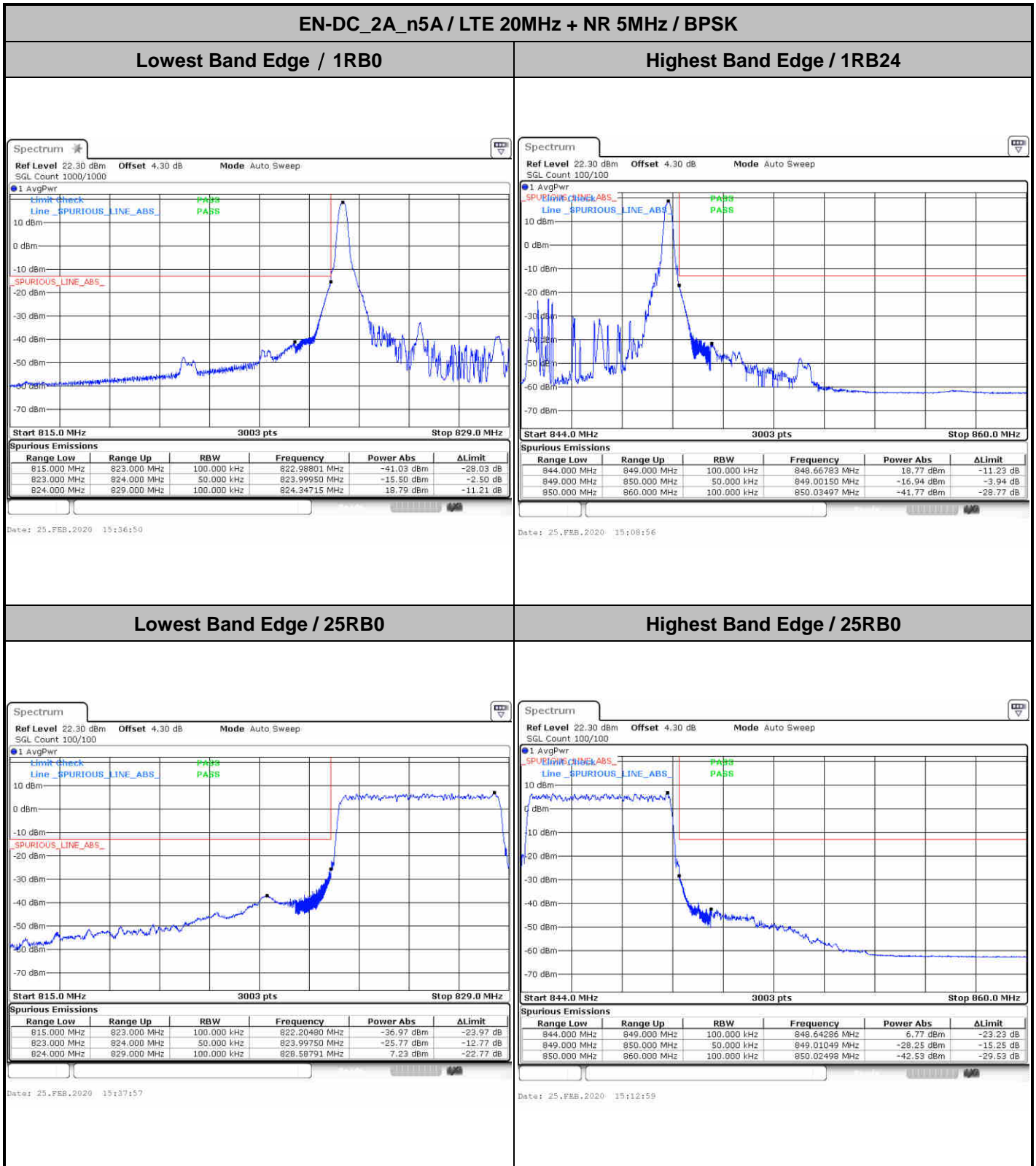
Highest Channel / QPSK



Date: 18.FEB.2020 06:44:18



# Conducted Band Edge

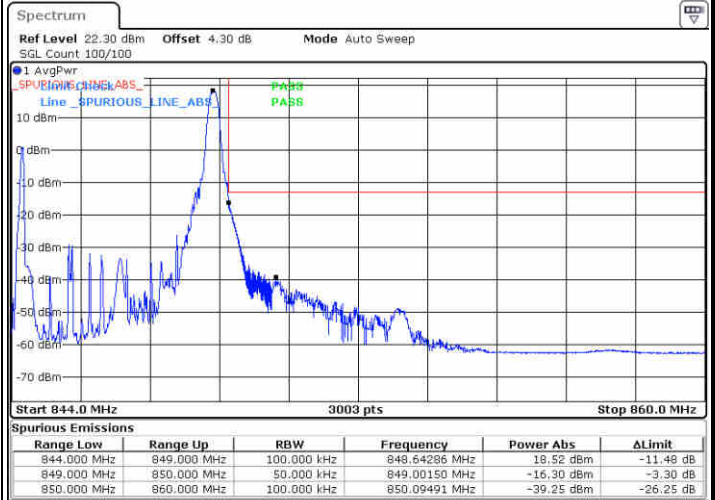
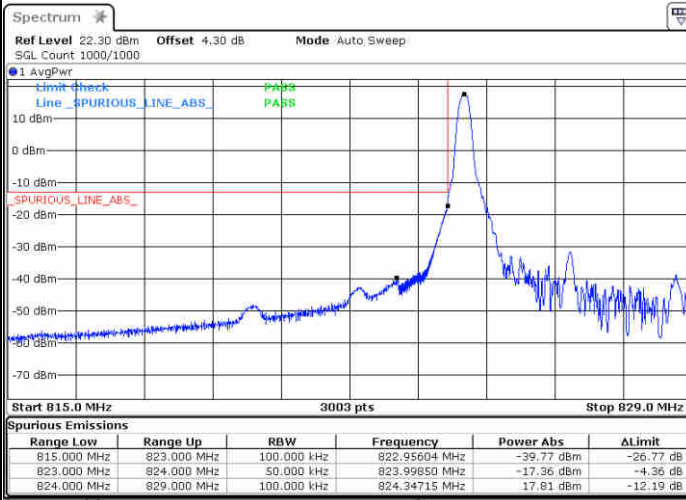




EN-DC\_2A\_n5A / LTE 20MHz + NR 5MHz / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24

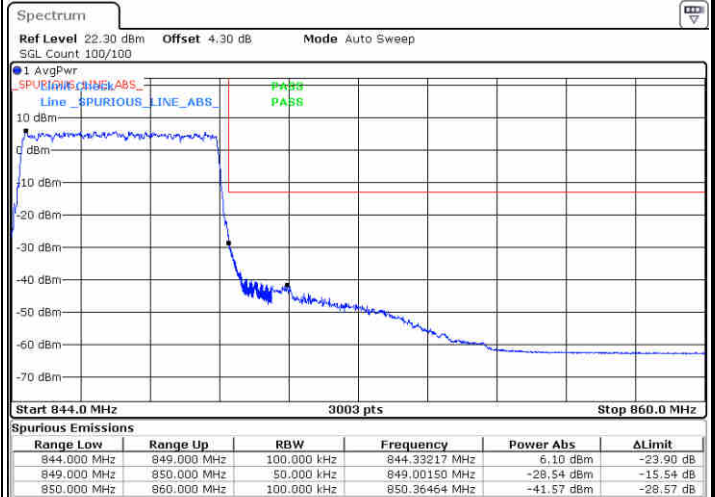
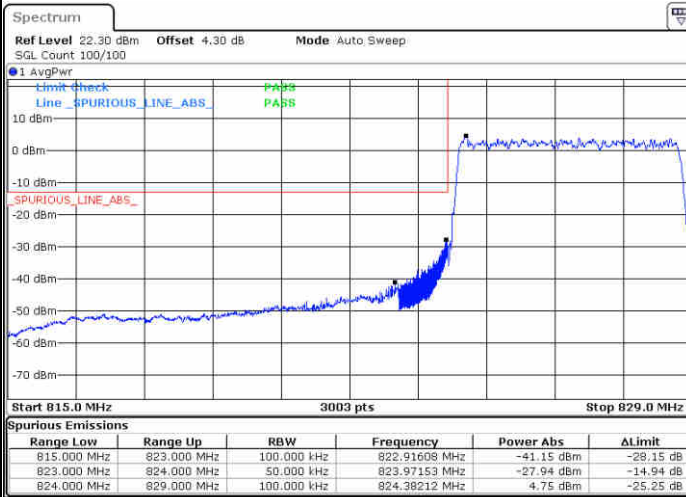


Date: 25.FEB.2020 15:45:25

Date: 25.FEB.2020 15:10:05

Lowest Band Edge / 25RB0

Highest Band Edge / 25RB0



Date: 25.FEB.2020 15:38:41

Date: 25.FEB.2020 15:11:24