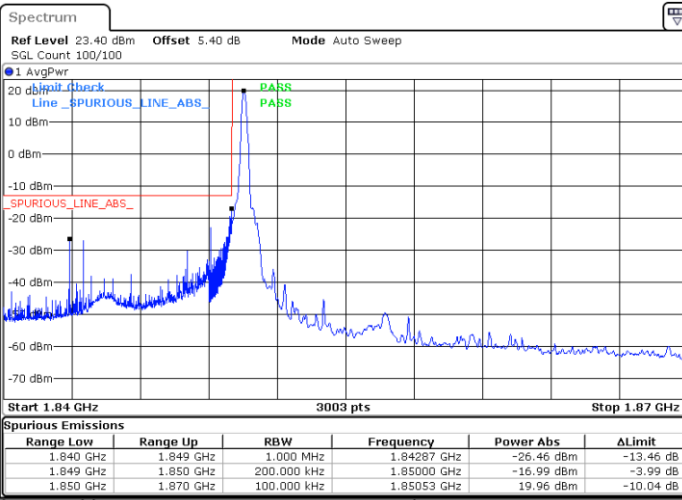




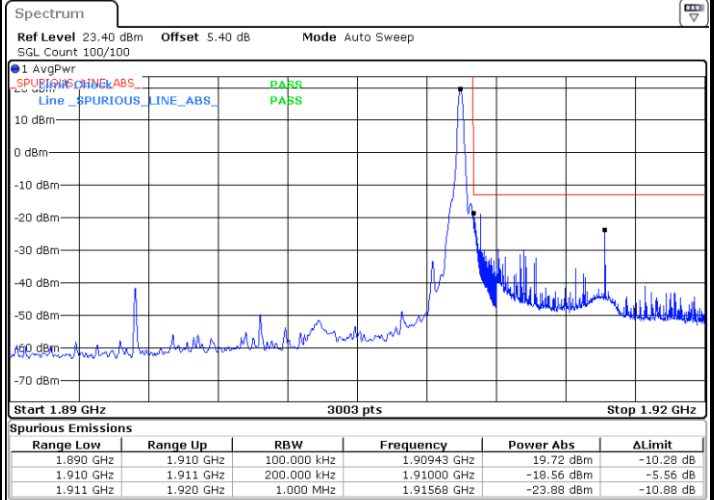
EN-DC\_66A\_n2A / LTE 10MHz + NR 20MHz / QPSK

Lowest Band Edge / 1RB0



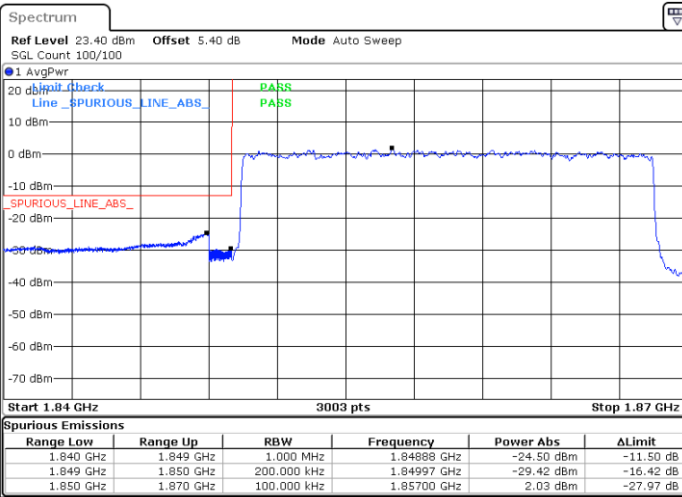
Date: 21.MAY.2020 02:51:25

Highest Band Edge / 1RB105



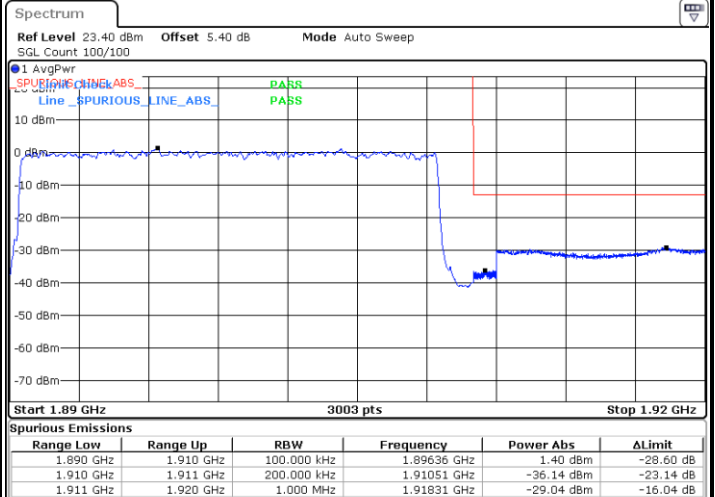
Date: 21.MAY.2020 03:31:14

Lowest Band Edge / 100RB0



Date: 21.MAY.2020 02:45:13

Highest Band Edge / 100RB0



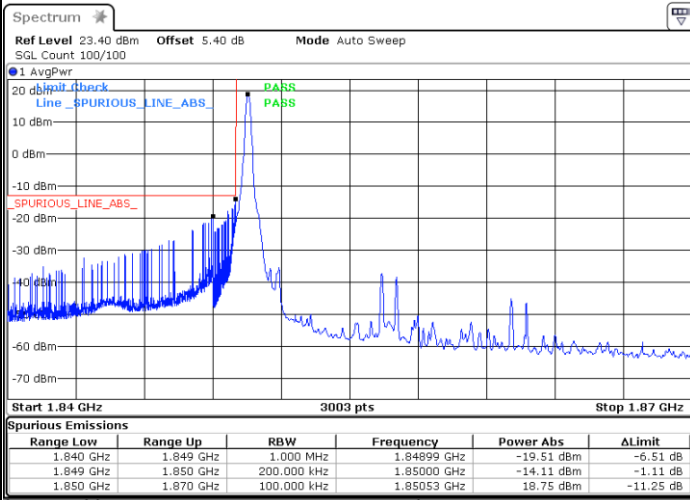
Date: 21.MAY.2020 03:27:11



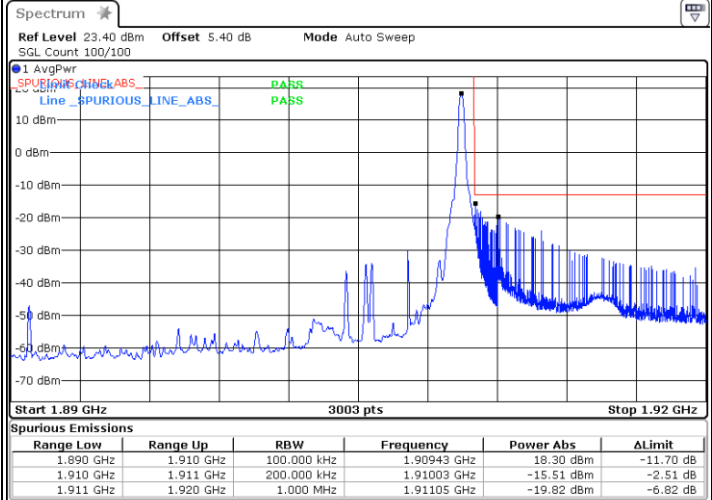
EN-DC\_66A\_n2A / LTE 10MHz + NR 20MHz / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105



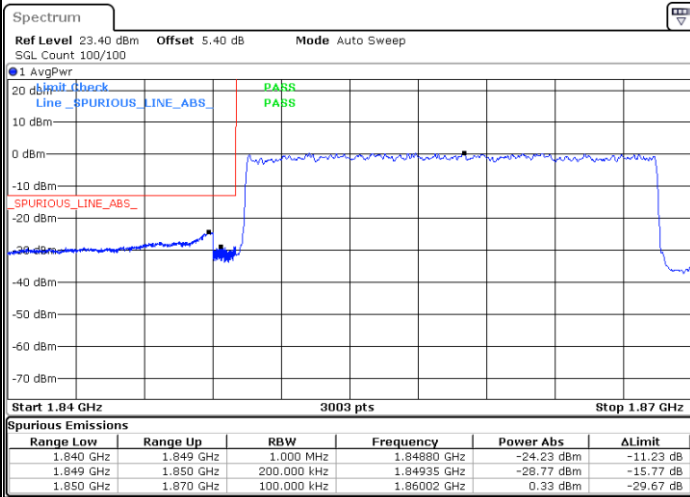
Date: 21.MAY.2020 02:55:34



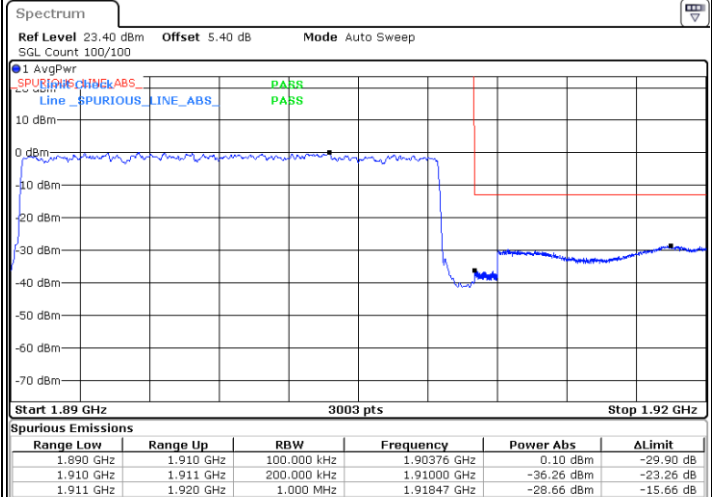
Date: 21.MAY.2020 03:31:58

Lowest Band Edge / 100RB0

Highest Band Edge / 100RB0



Date: 21.MAY.2020 02:45:48



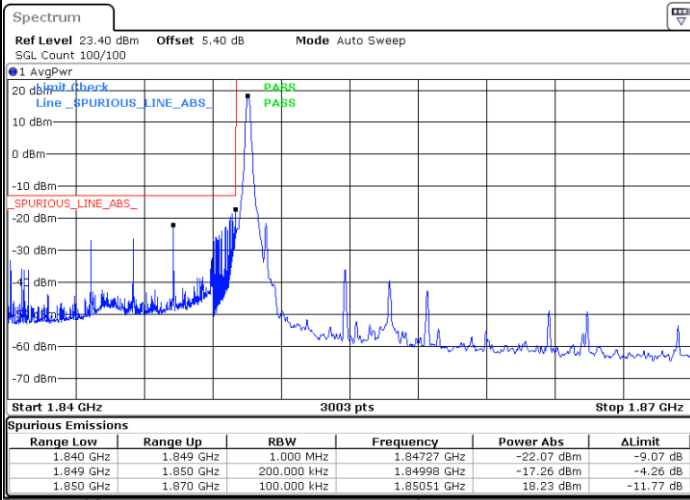
Date: 21.MAY.2020 03:27:53



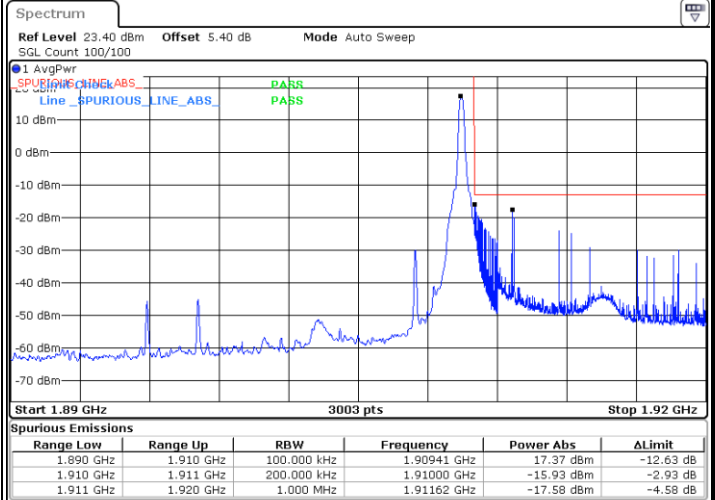
EN-DC\_66A\_n2A / LTE 10MHz + NR 20MHz / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105



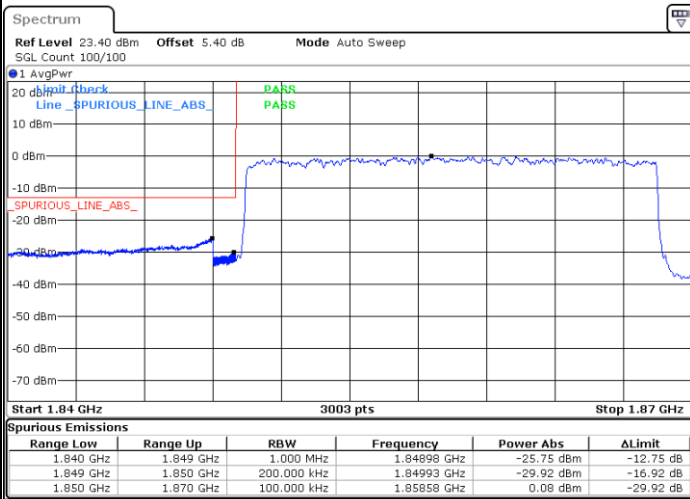
Date: 21.MAY.2020 02:58:50



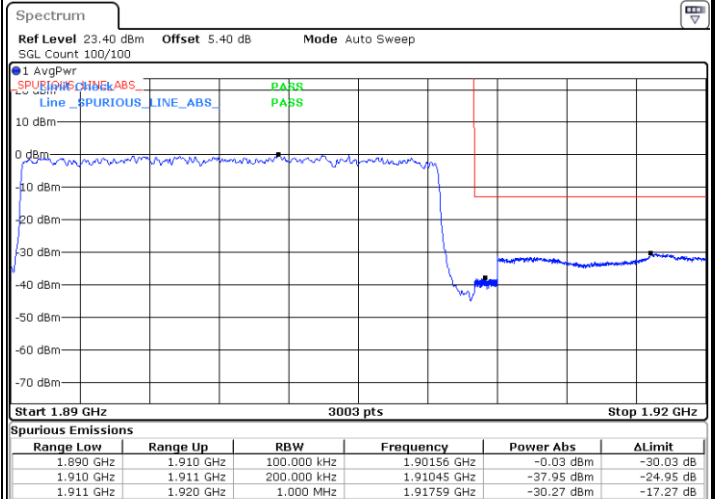
Date: 21.MAY.2020 03:32:13

Lowest Band Edge / 100RB0

Highest Band Edge / 100RB0



Date: 21.MAY.2020 02:46:29

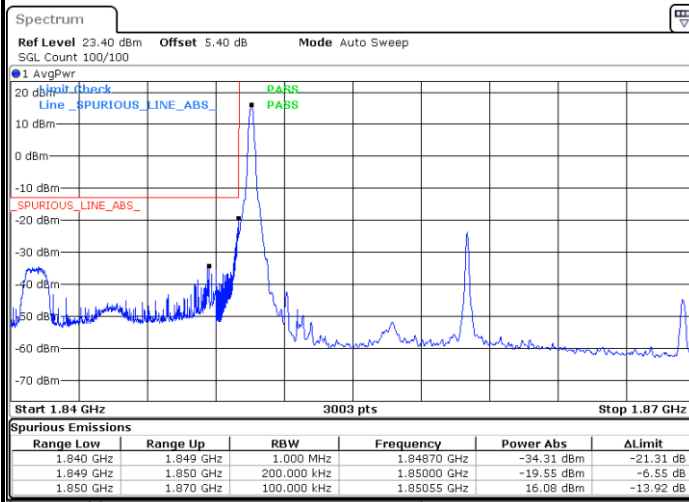


Date: 21.MAY.2020 03:28:29



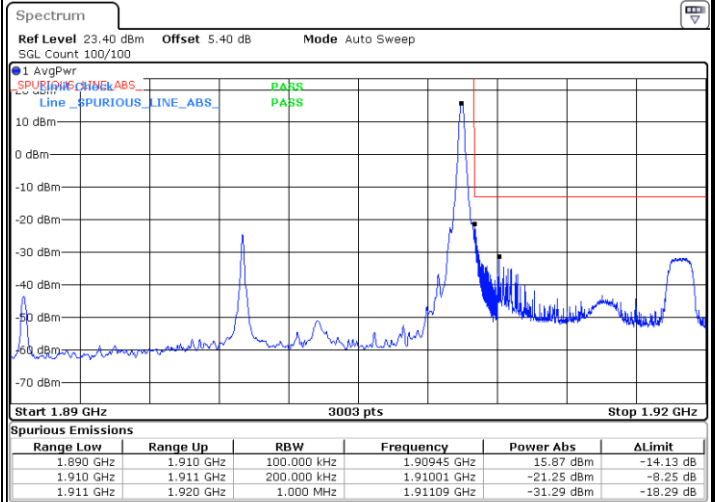
EN-DC\_66A\_n2A / LTE 10MHz + NR 20MHz / 256QAM

Lowest Band Edge / 1RB0



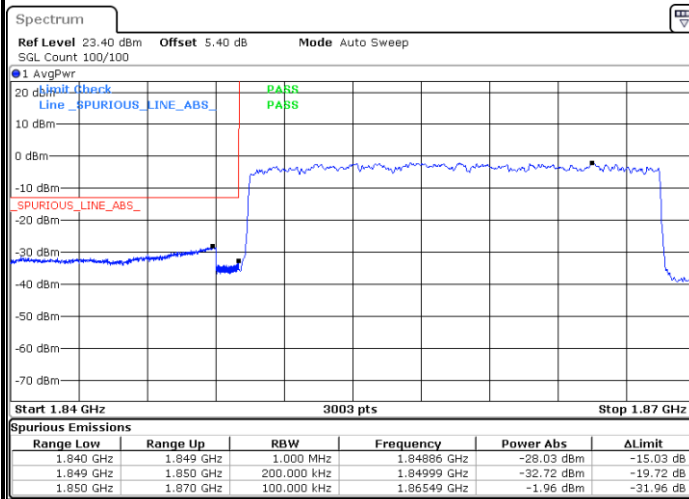
Date: 21.MAY.2020 02:49:22

Highest Band Edge / 1RB105



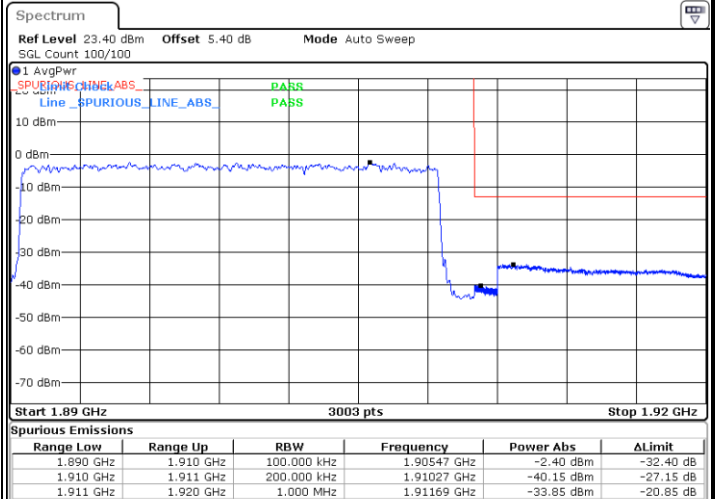
Date: 21.MAY.2020 03:30:28

Lowest Band Edge / 100RB0



Date: 21.MAY.2020 02:44:01

Highest Band Edge / 100RB0



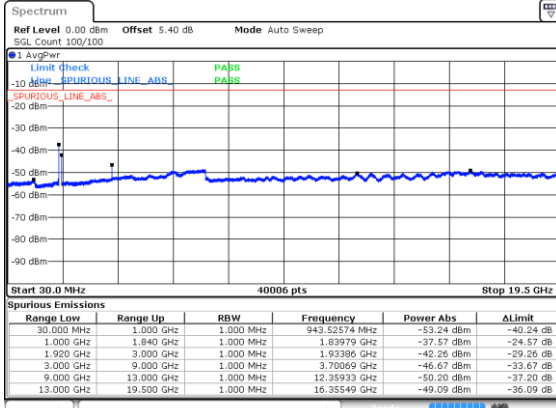
Date: 21.MAY.2020 03:25:55



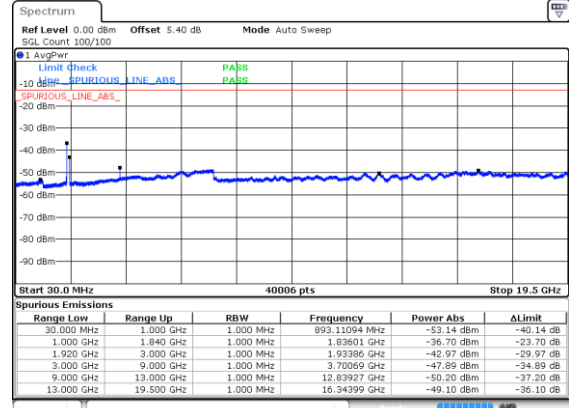
# Conducted Spurious Emission

## EN-DC\_66A\_n2A / LTE 10MHz + NR 5MHz

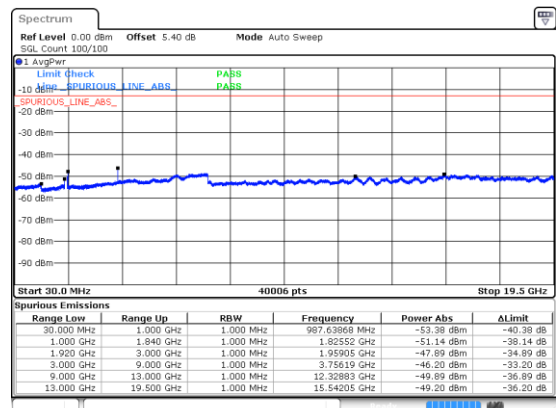
### Lowest Channel / BPSK



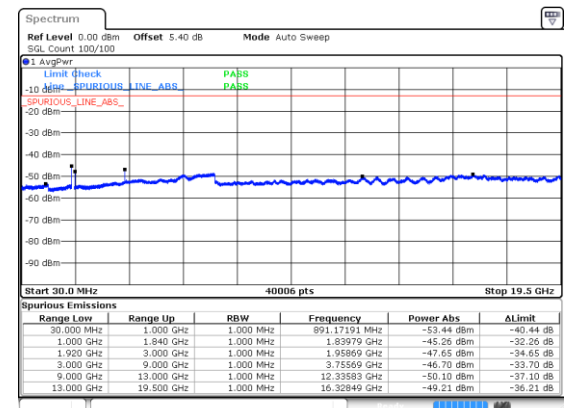
### Lowest Channel / QPSK



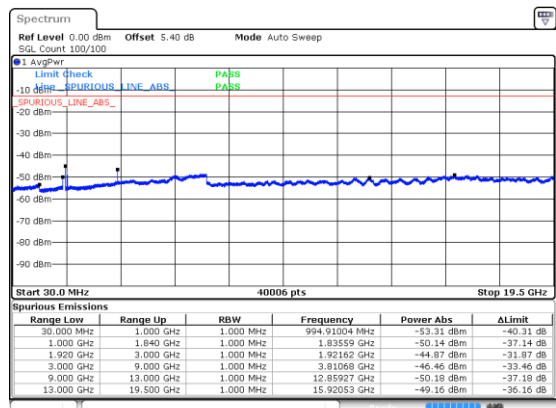
### Middle Channel / BPSK



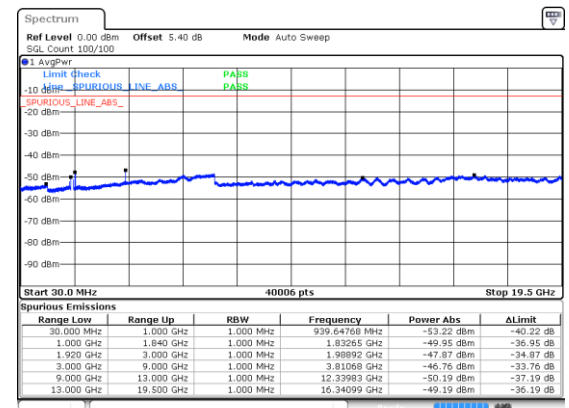
### Middle Channel / QPSK



### Highest Channel / BPSK



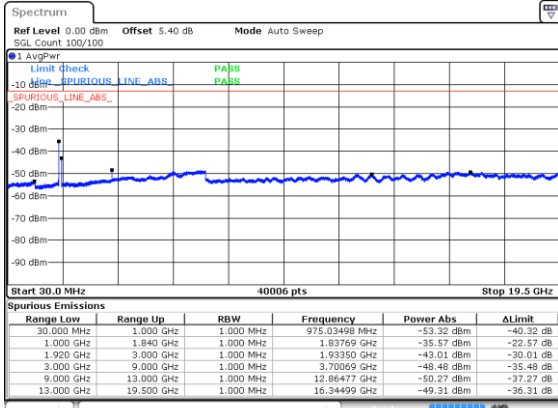
### Highest Channel / QPSK



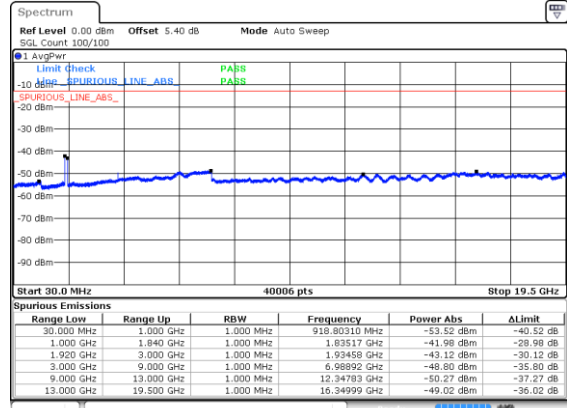


EN-DC\_66A\_n2A / LTE 10MHz + NR 5MHz

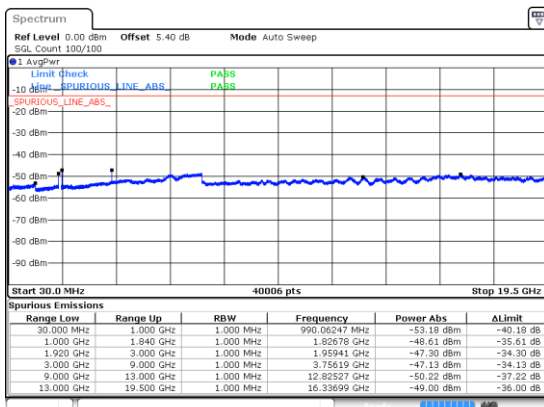
Lowest Channel / 16QAM



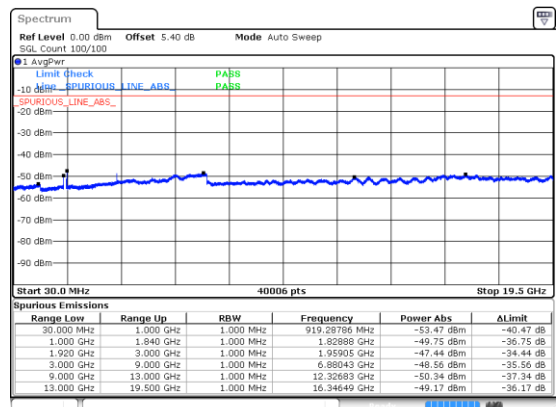
Lowest Channel / 64QAM



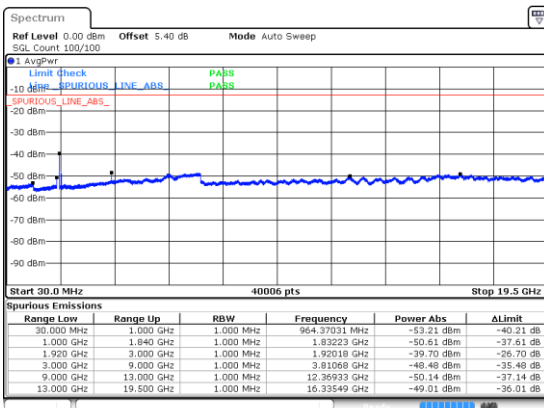
Middle Channel / 16QAM



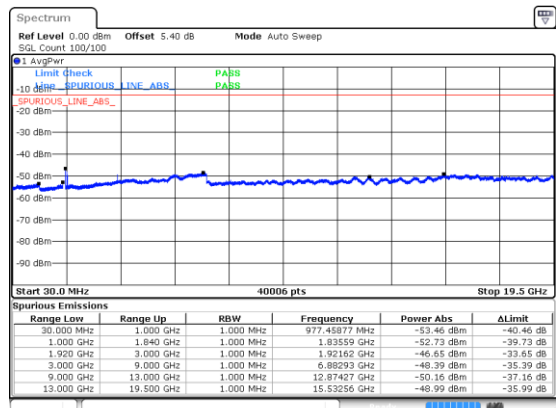
Middle Channel / 64QAM



Highest Channel / 16QAM



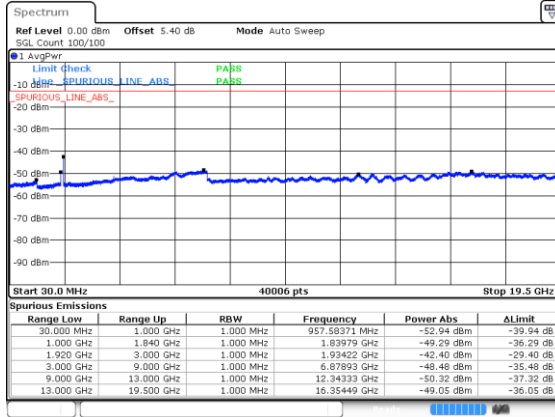
Highest Channel / 64QAM



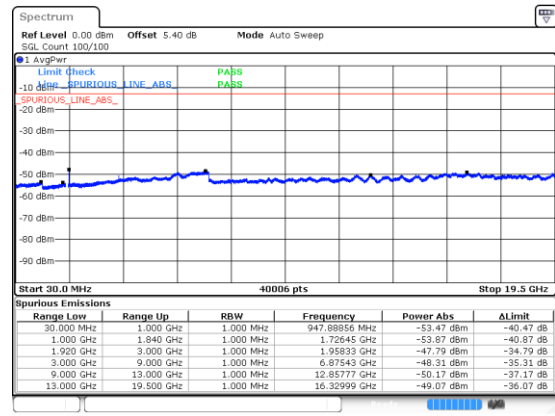


EN-DC\_66A\_n2A / LTE 10MHz + NR 5MHz

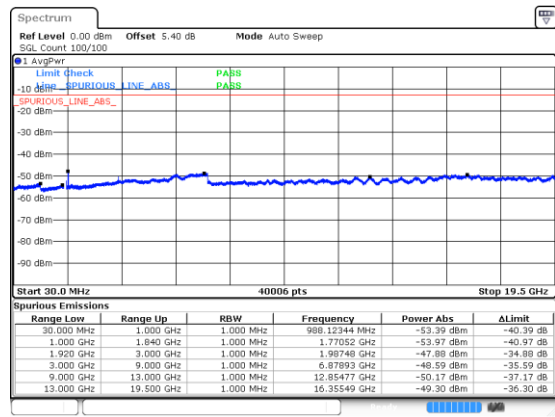
Lowest Channel / 256QAM



Middle Channel / 256QAM



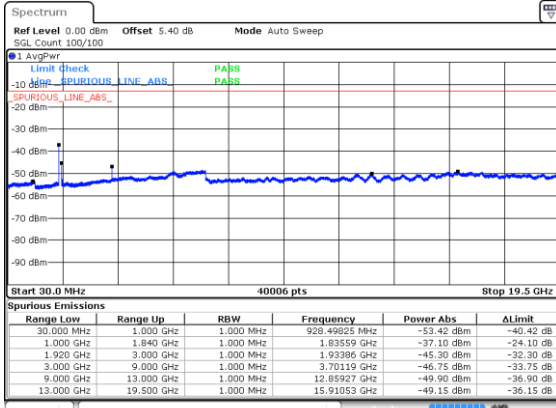
Highest Channel / 256QAM



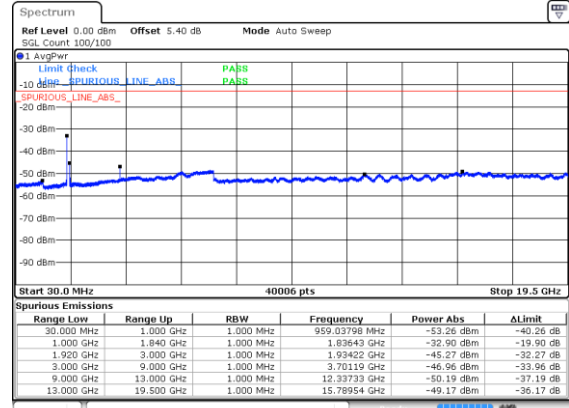


EN-DC\_66A\_n2A / LTE 10MHz + NR 10MHz

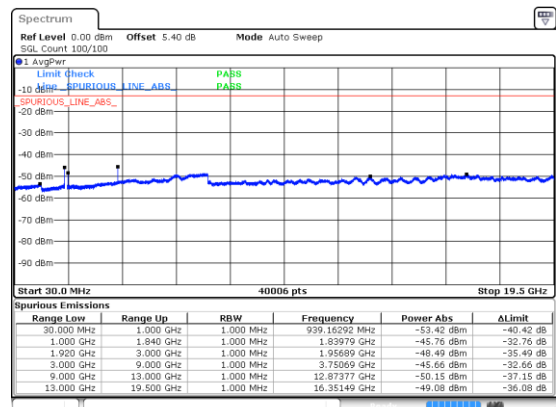
Lowest Channel / BPSK



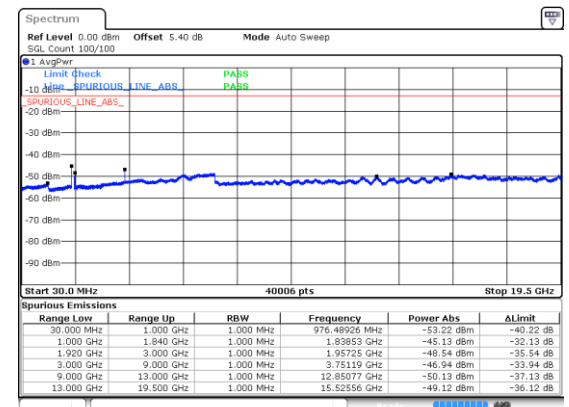
Lowest Channel / QPSK



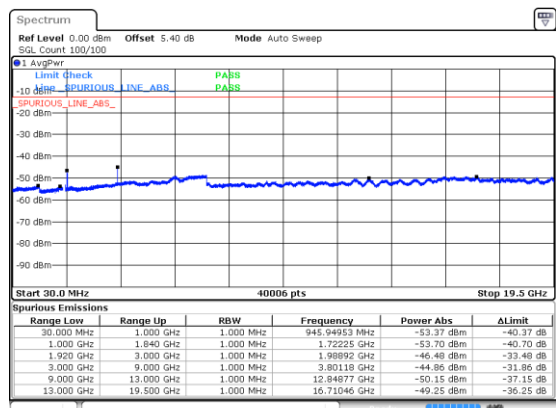
Middle Channel / BPSK



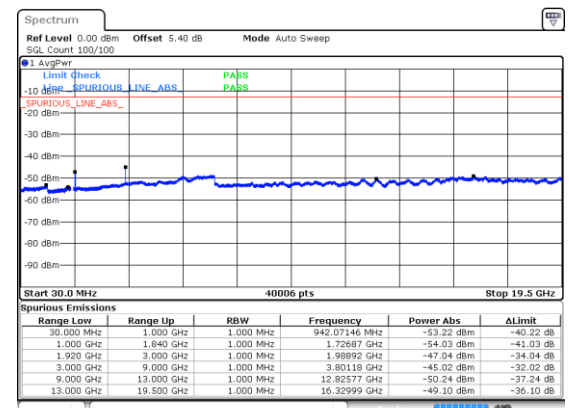
Middle Channel / QPSK



Highest Channel / BPSK



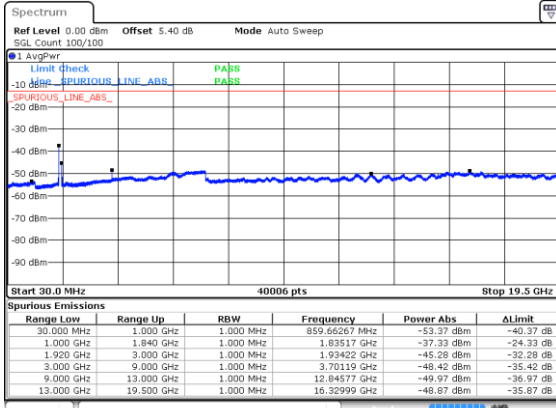
Highest Channel / QPSK



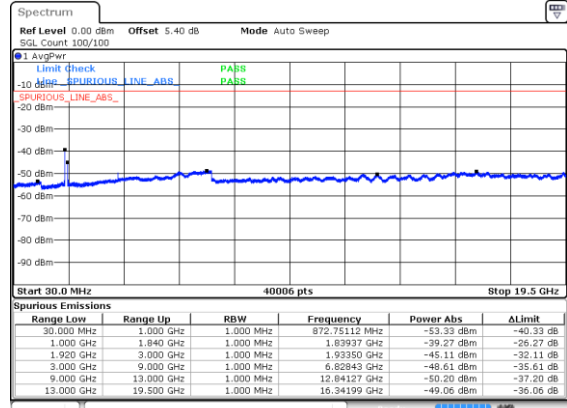


EN-DC\_66A\_n2A / LTE 10MHz + NR 10MHz

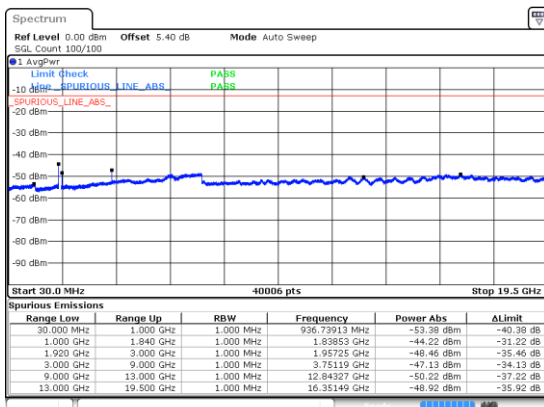
Lowest Channel / 16QAM



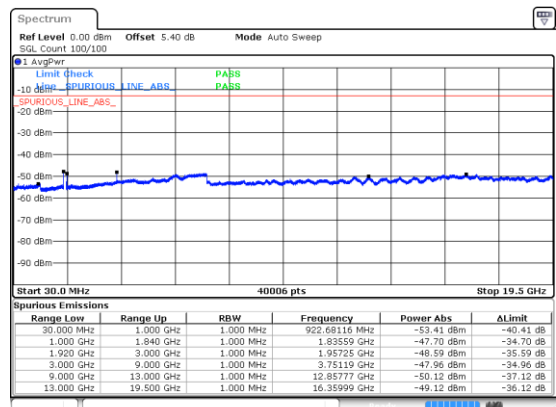
Lowest Channel / 64QAM



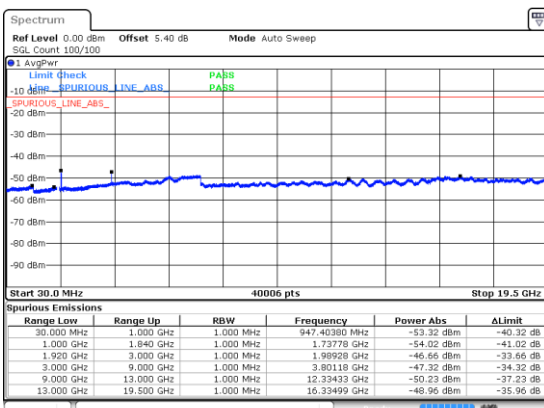
Middle Channel / 16QAM



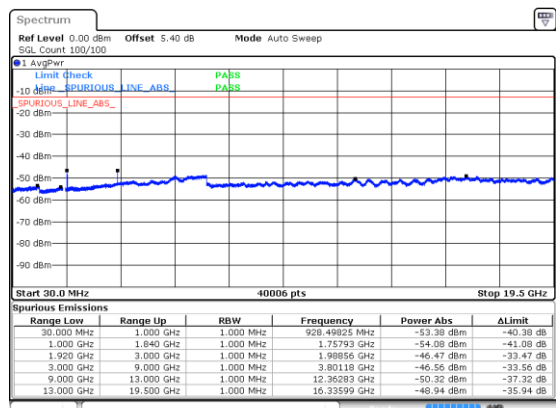
Middle Channel / 64QAM



Highest Channel / 16QAM



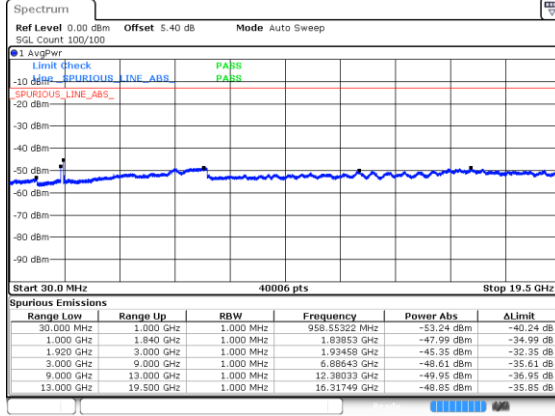
Highest Channel / 64QAM



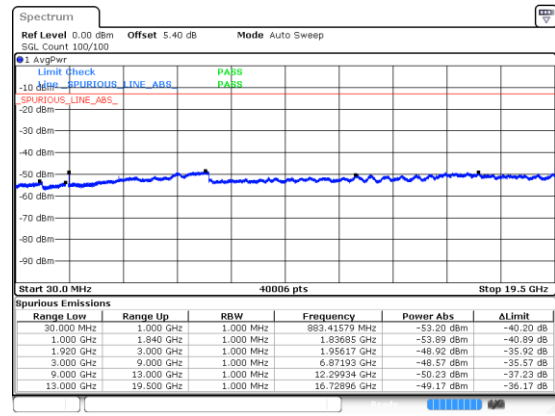


EN-DC\_66A\_n2A / LTE 10MHz + NR 10MHz

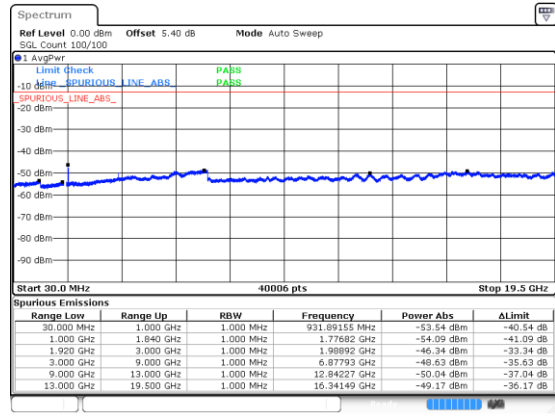
Lowest Channel / 256QAM



Middle Channel / 256QAM



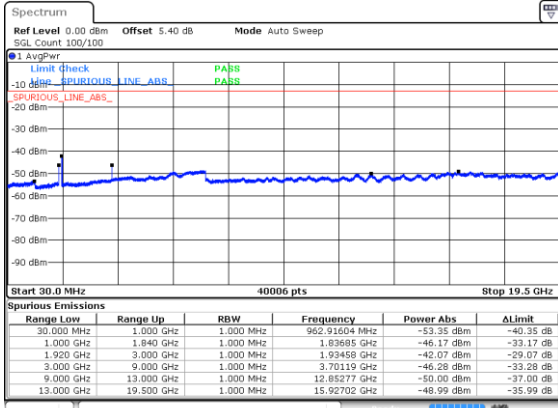
Highest Channel / 256QAM



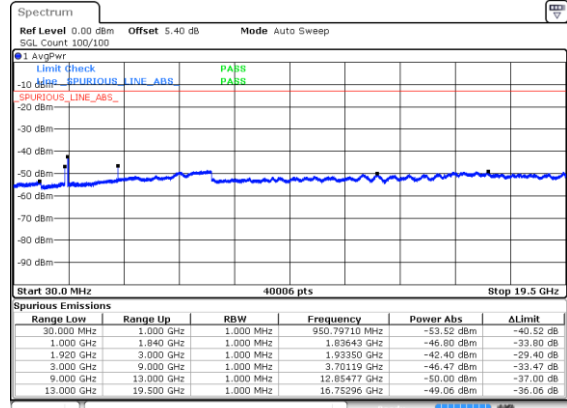


EN-DC\_66A\_n2A / LTE 10MHz + NR 15MHz

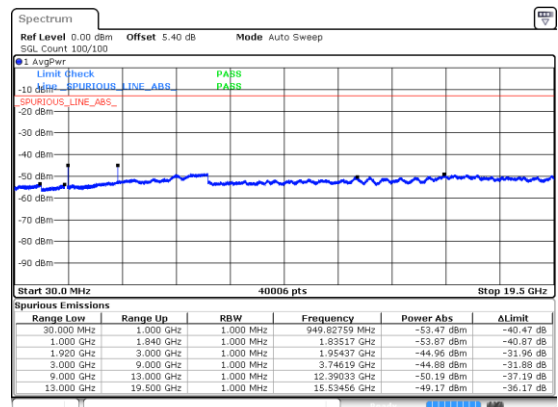
Lowest Channel / BPSK



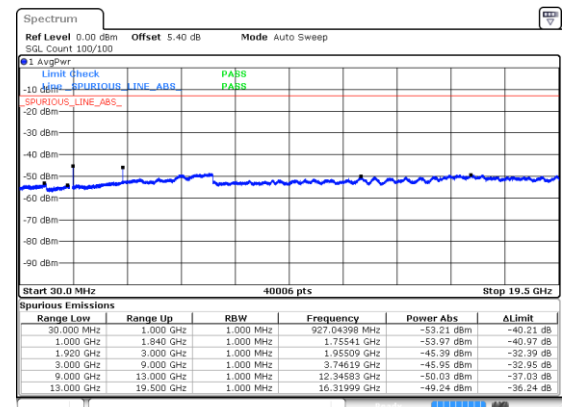
Lowest Channel / QPSK



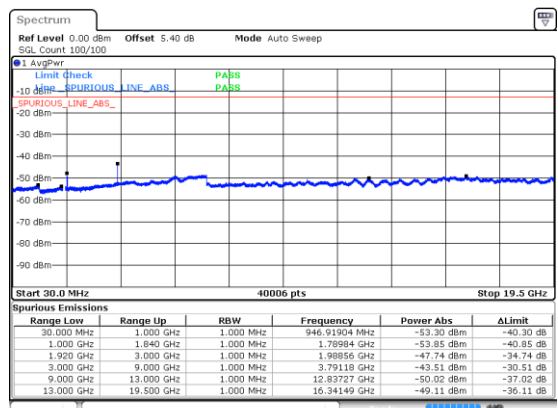
Middle Channel / BPSK



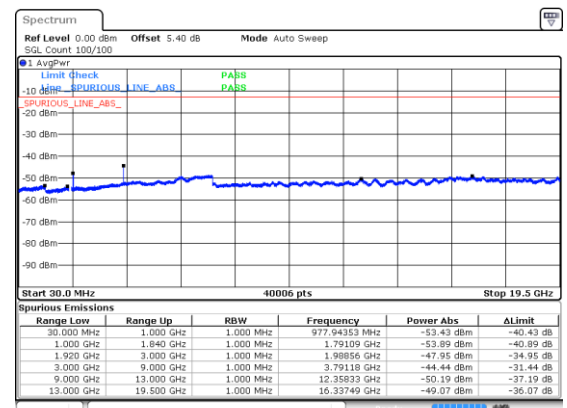
Middle Channel / QPSK



Highest Channel / BPSK



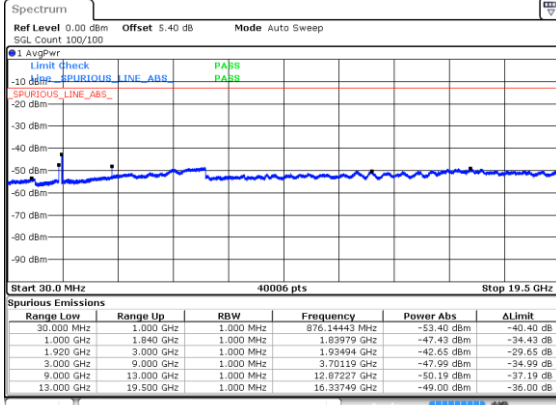
Highest Channel / QPSK



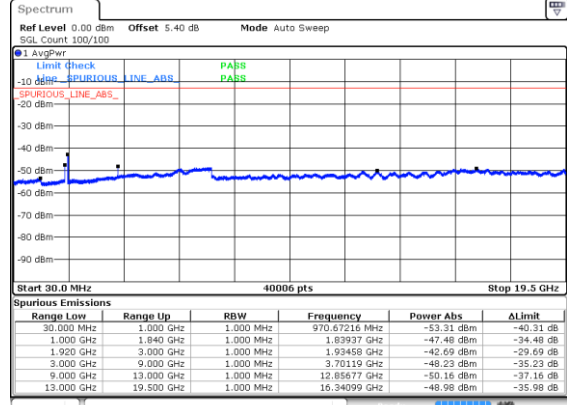


EN-DC\_66A\_n2A / LTE 10MHz + NR 15MHz

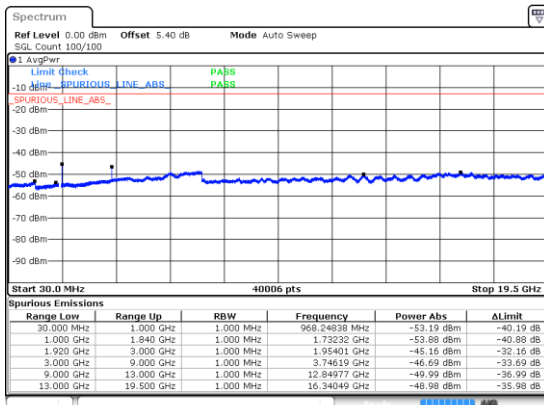
Lowest Channel / 16QAM



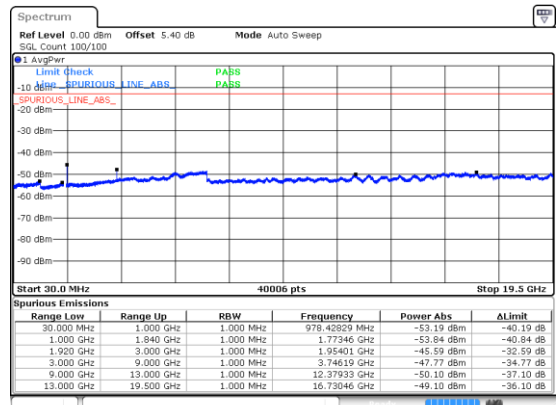
Lowest Channel / 64QAM



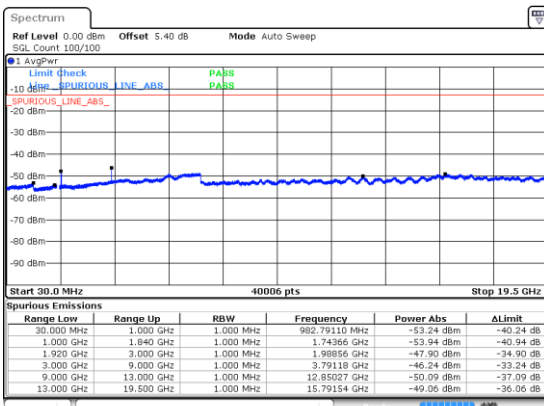
Middle Channel / 16QAM



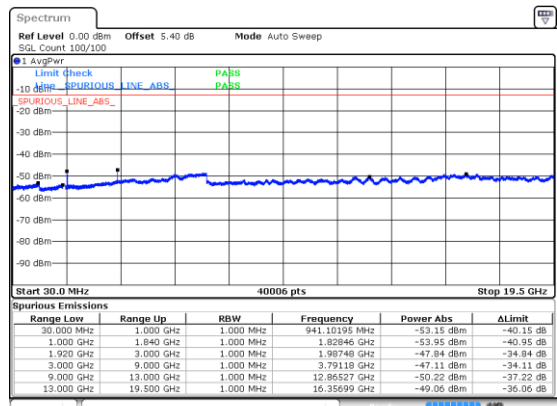
Middle Channel / 64QAM



Highest Channel / 16QAM



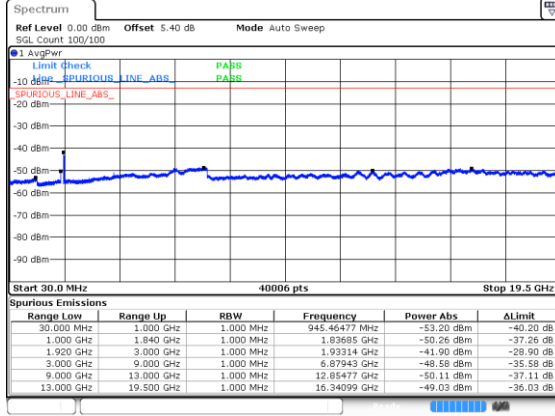
Highest Channel / 64QAM



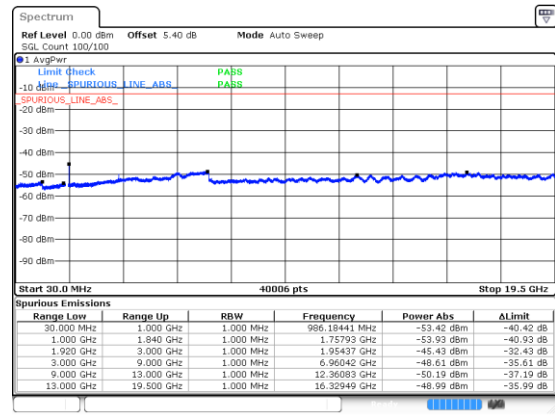


EN-DC\_66A\_n2A / LTE 10MHz + NR 15MHz

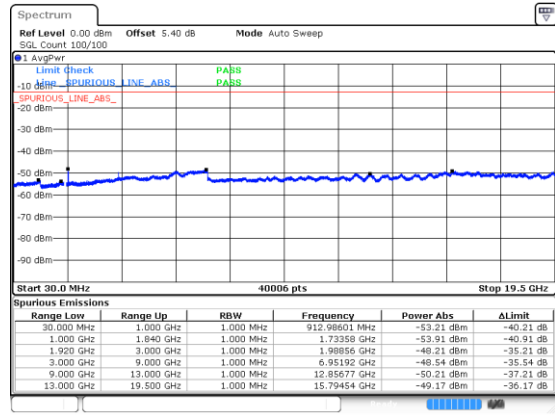
Lowest Channel / 256QAM



Middle Channel / 256QAM



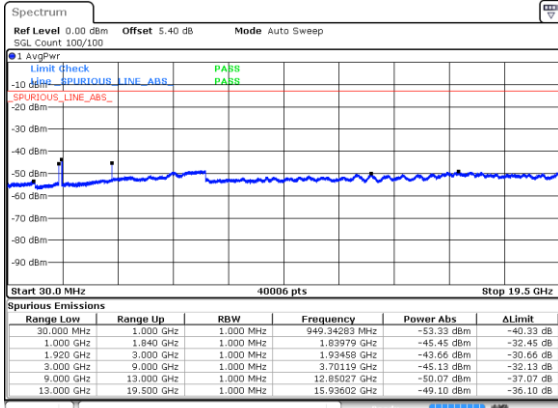
Highest Channel / 256QAM



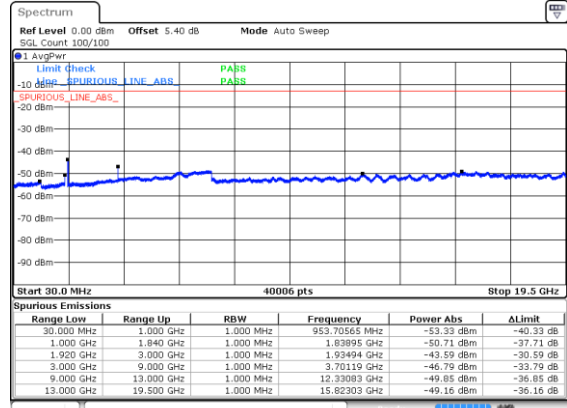


EN-DC\_66A\_n2A / LTE 10MHz + NR 20MHz

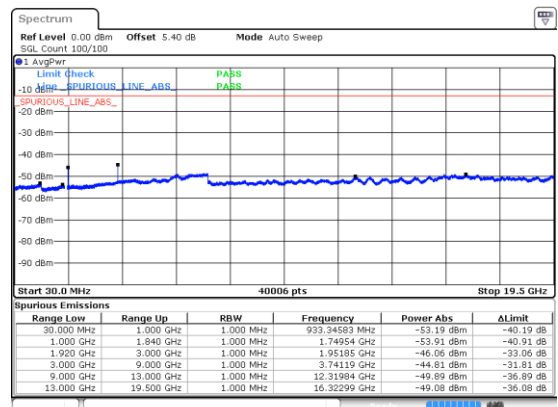
Lowest Channel / BPSK



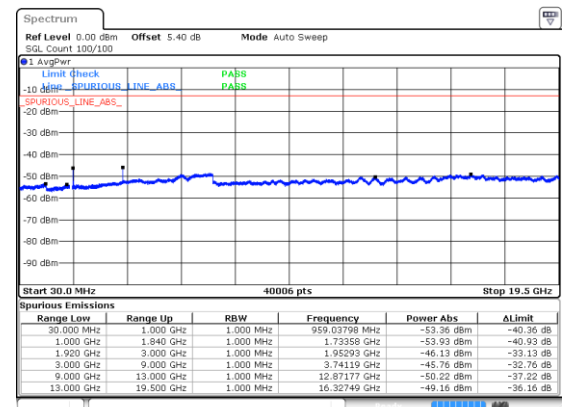
Lowest Channel / QPSK



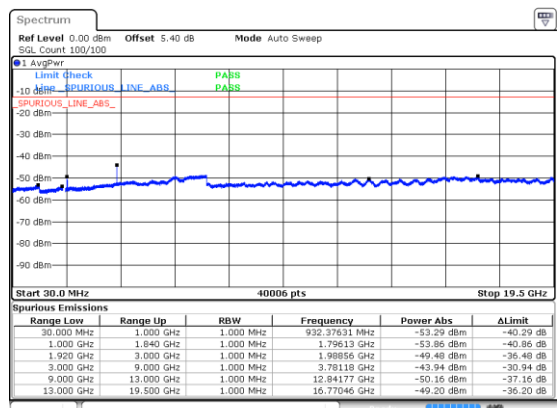
Middle Channel / BPSK



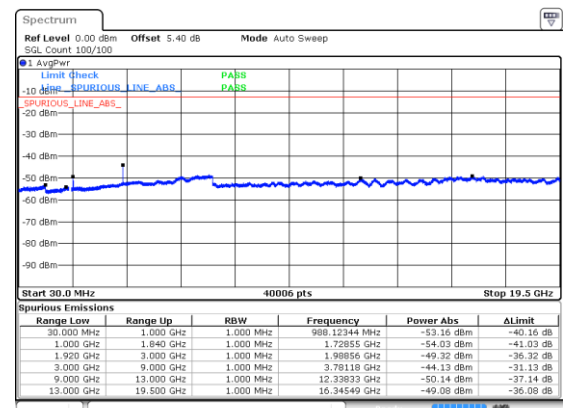
Middle Channel / QPSK



Highest Channel / BPSK



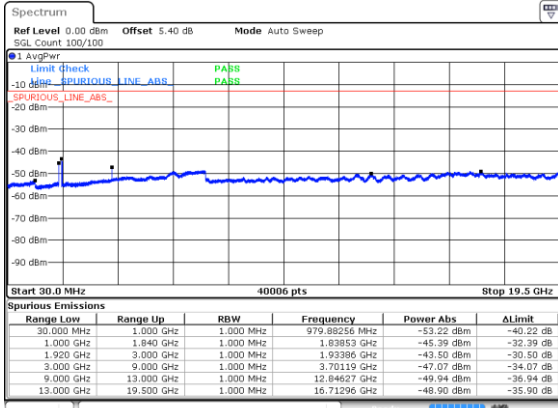
Highest Channel / QPSK



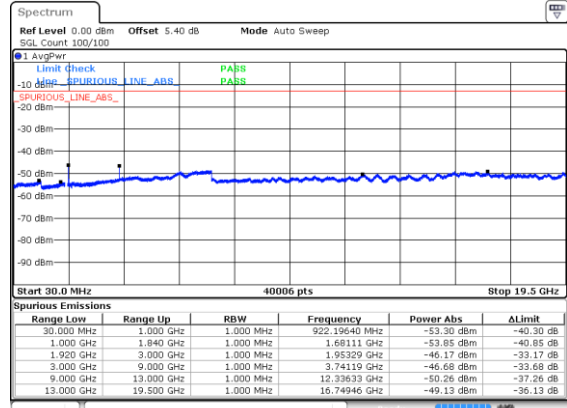


EN-DC\_66A\_n2A / LTE 10MHz + NR 20MHz

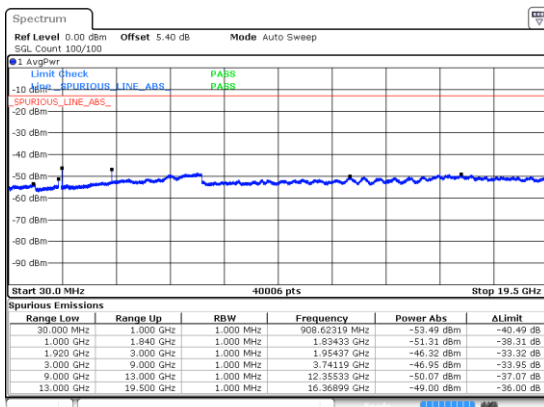
Lowest Channel / 16QAM



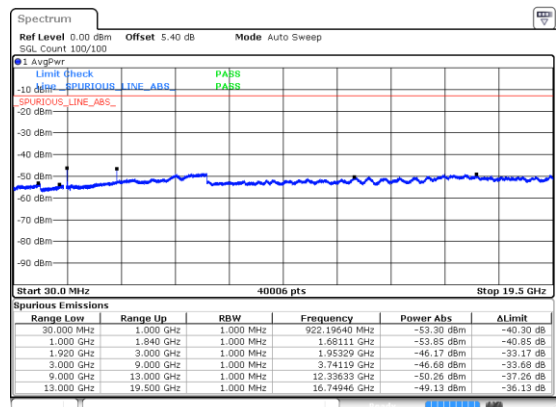
Lowest Channel / 64QAM



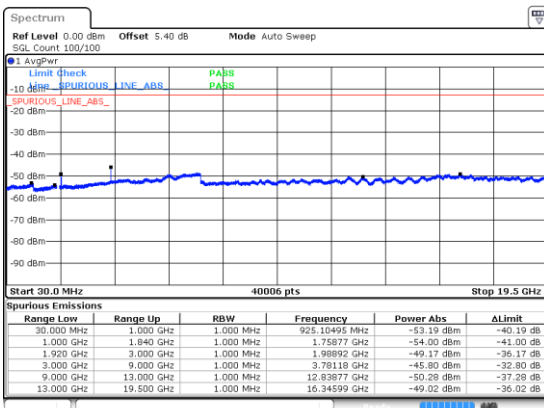
Middle Channel / 16QAM



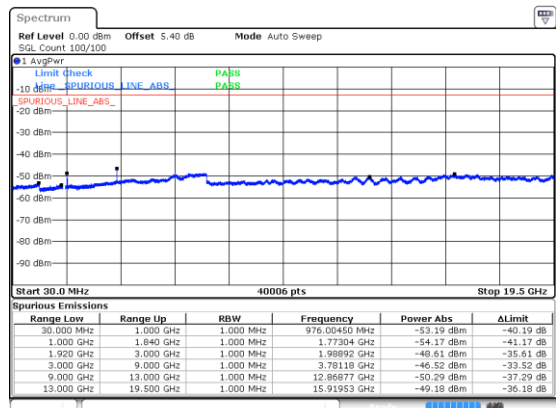
Middle Channel / 64QAM



Highest Channel / 16QAM



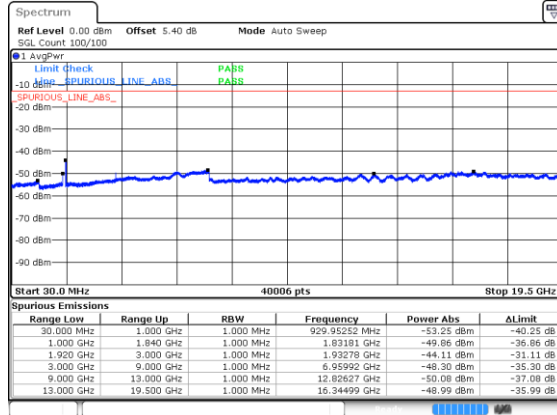
Highest Channel / 64QAM



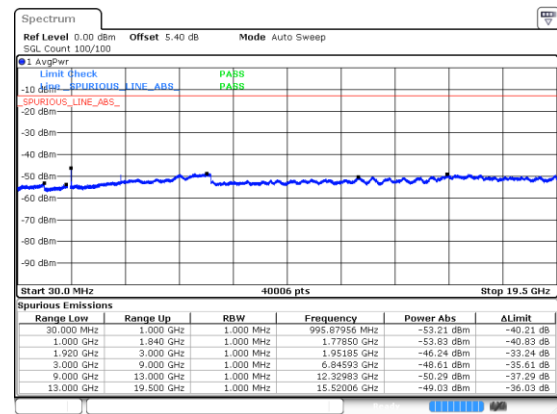


EN-DC\_66A\_n2A / LTE 10MHz + NR 20MHz

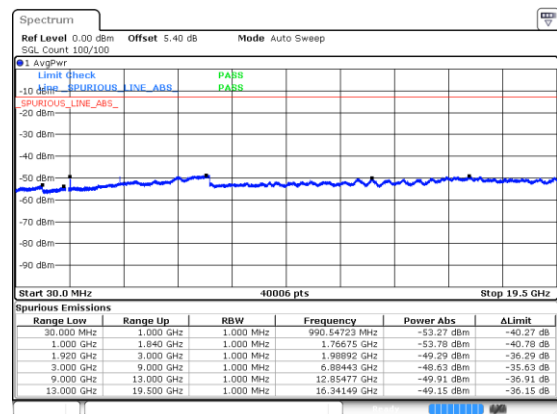
Lowest Channel / 256QAM



Middle Channel / 256QAM



Highest Channel / 256QAM





Frequency Stability

Test Conditions		EN-DC_66A_n2A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	LTE 10MHz + NR 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0004	

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.



## 5G NR n5

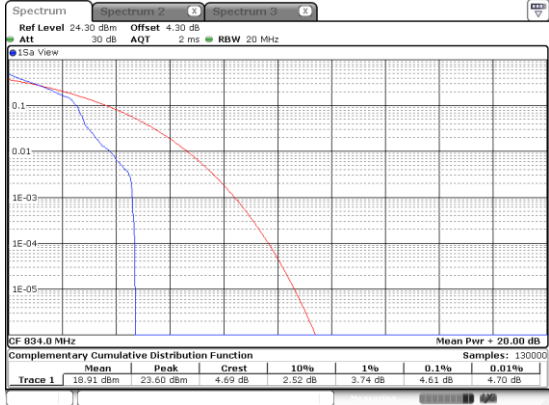
### Peak-to-Average Ratio

Mode	N5 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.06	4.67	5.33	5.94	PASS
Middle CH	5.16	5.51	6.23	6.29	
Highest CH	5.22	5.54	4.81	6.41	
Mode	N5 / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.74	6.46	6.84	7.25	PASS
Middle CH	5.13	6.49	6.13	6.75	
Highest CH	5.13	6.46	6.32	6.72	
Mode	N5 / 20MHz				
Mod.	BPSK				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.61	3.77			PASS
Middle CH	4.46	3.97			
Highest CH	4.49	4.17			

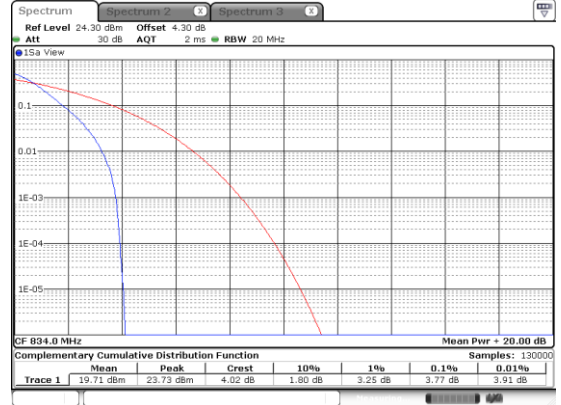


EN-DC\_66A\_n5A / LTE 10MHz + NR 20MHz / BPSK

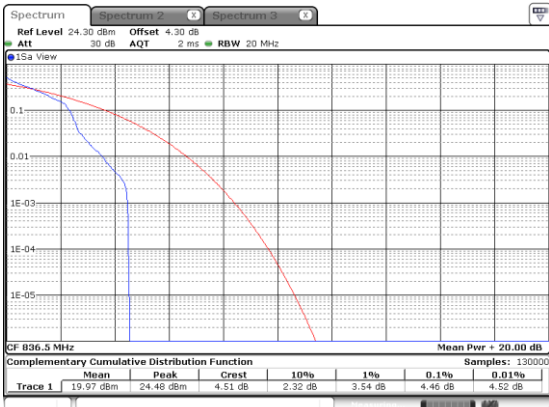
Lowest Channel / 1RB0



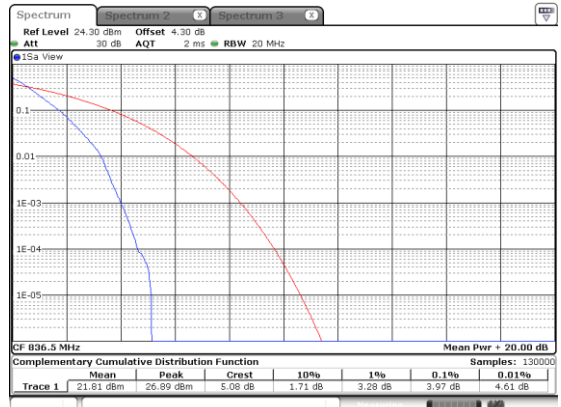
Lowest Channel / 100RB0



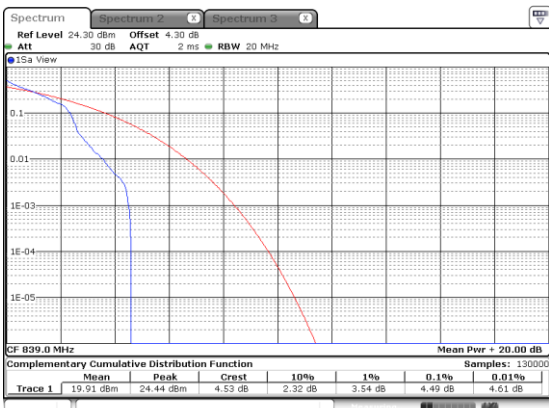
Middle Channel / 1RB0



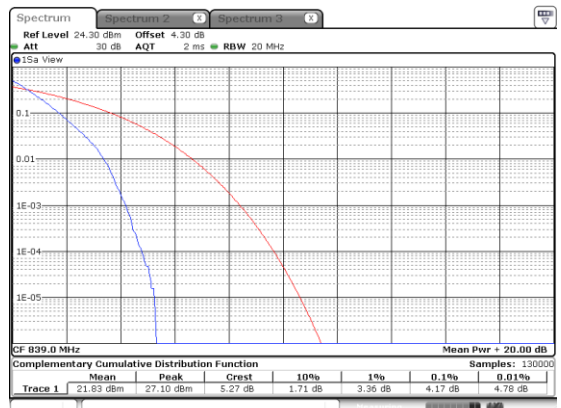
Middle Channel / 100RB0



Highest Channel / 1RB0



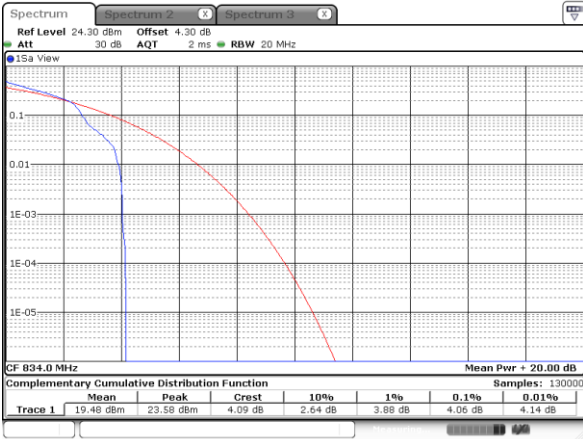
Highest Channel / 100RB0





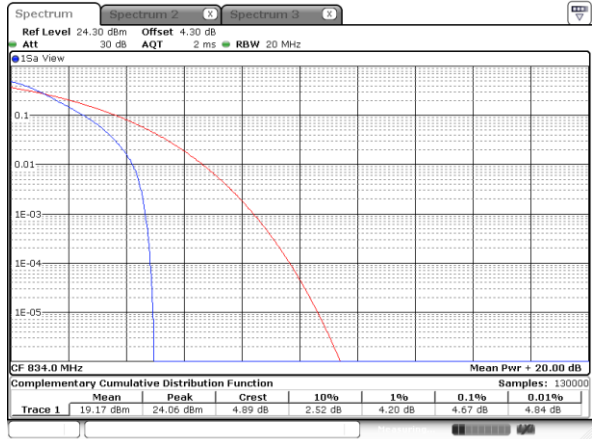
EN-DC\_66A\_n5A / LTE 10MHz + NR 20MHz / QPSK

Lowest Channel / 1RB0



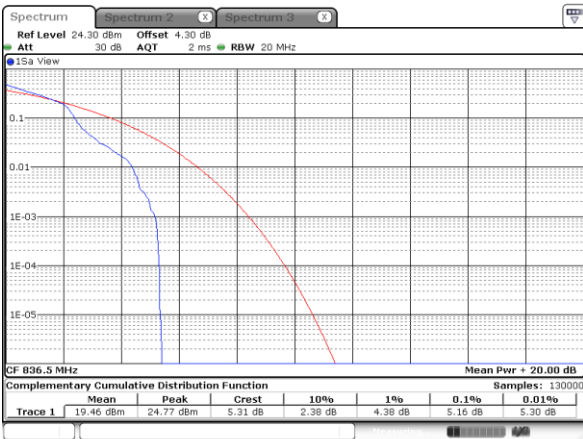
Date: 26 MAY 2020 11:55:42

Lowest Channel / 100RB0



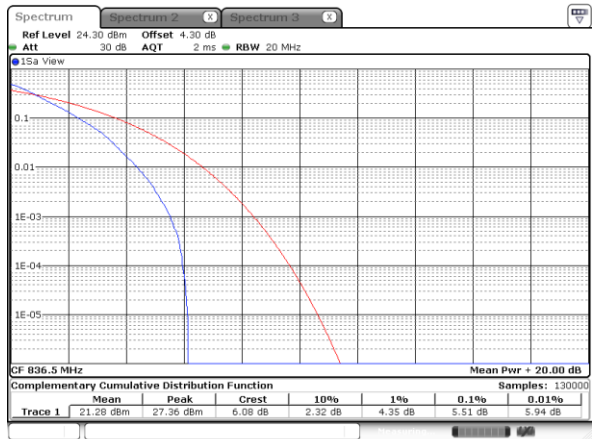
Date: 26 MAY 2020 11:58:00

Middle Channel / 1RB0



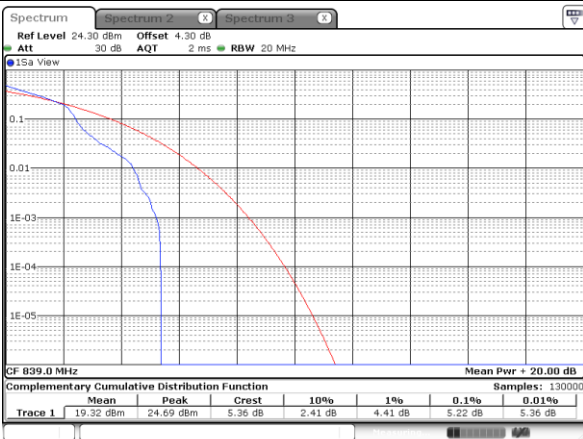
Date: 26 MAY 2020 12:12:00

Middle Channel / 100RB0



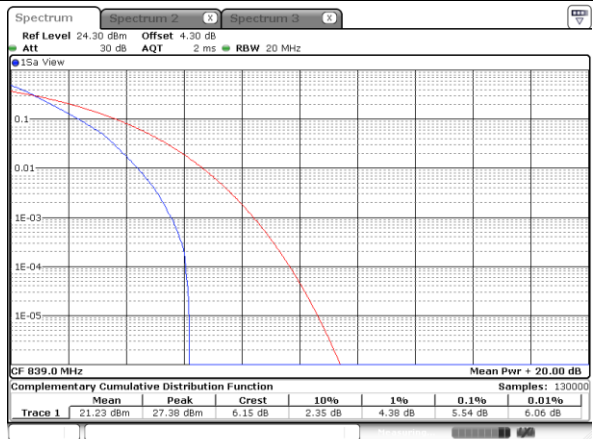
Date: 26 MAY 2020 12:05:02

Highest Channel / 1RB0



Date: 26 MAY 2020 12:25:42

Highest Channel / 100RB0

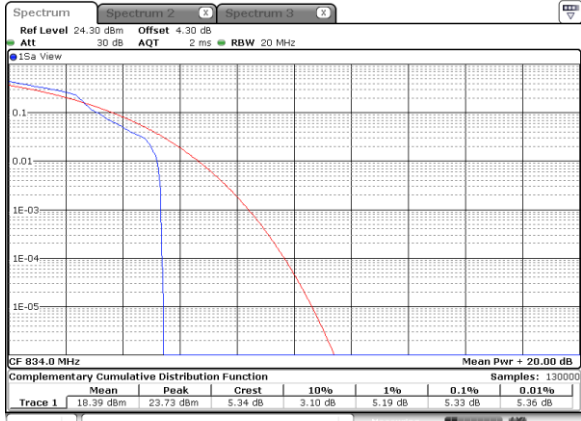


Date: 26 MAY 2020 12:35:18



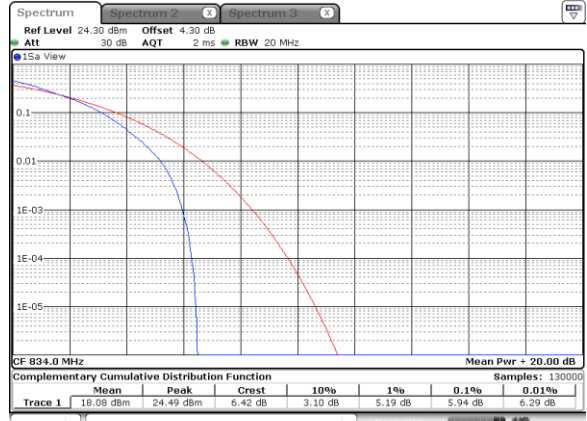
EN-DC\_66A\_n5A / LTE 10MHz + NR 20MHz / 16QAM

Lowest Channel / 1RB0



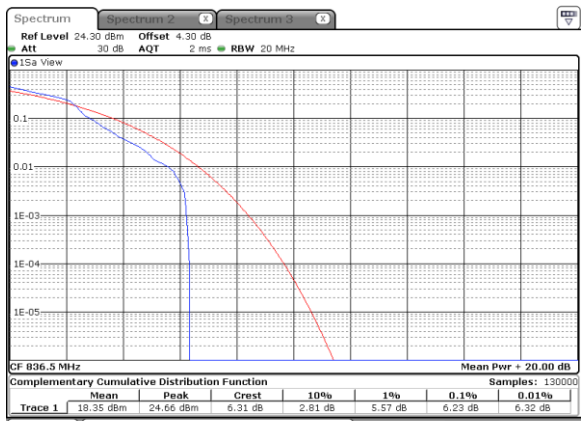
Date: 26 MAY 2020 11:55:55

Lowest Channel / 100RB0



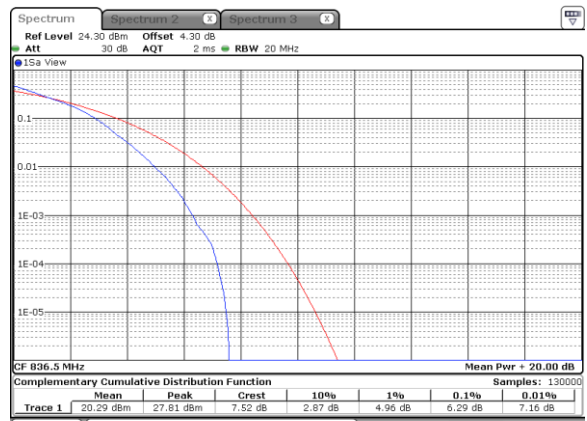
Date: 26 MAY 2020 11:58:17

Middle Channel / 1RB0



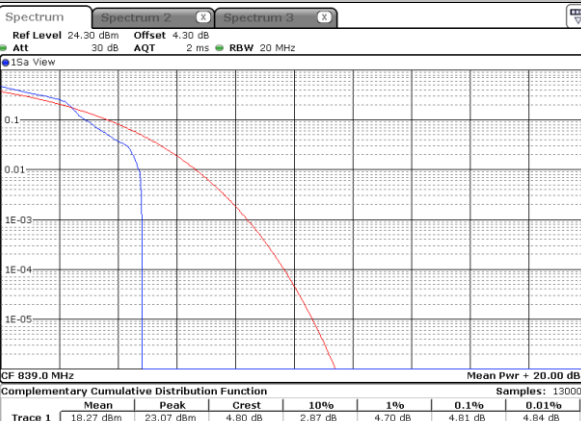
Date: 26 MAY 2020 12:14:13

Middle Channel / 100RB0



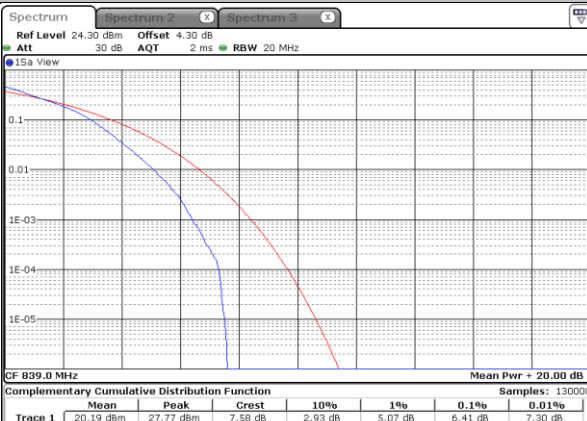
Date: 26 MAY 2020 12:05:28

Highest Channel / 1RB0



Date: 26 MAY 2020 12:27:50

Highest Channel / 100RB0

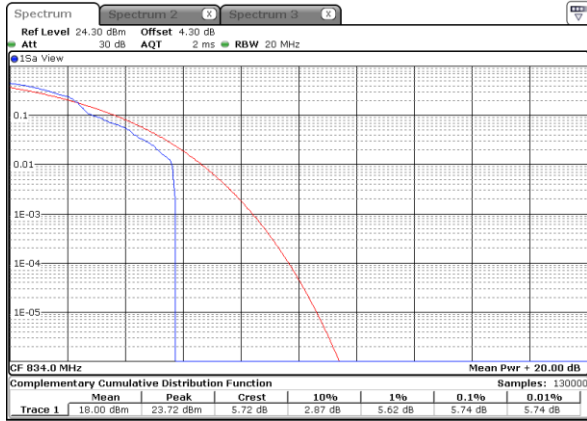


Date: 26 MAY 2020 12:36:30



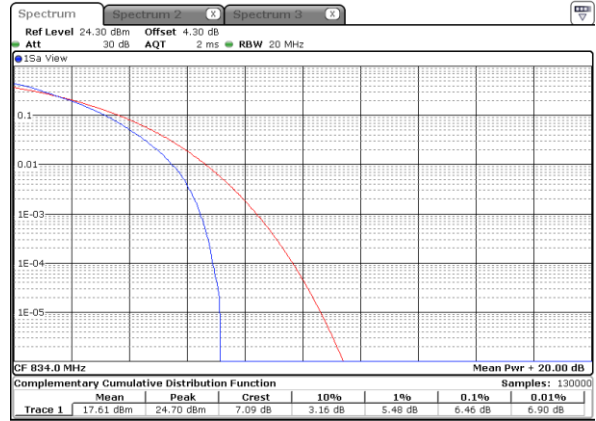
EN-DC\_66A\_n5A / LTE 10MHz + NR 20MHz / 64QAM

Lowest Channel / 1RB0



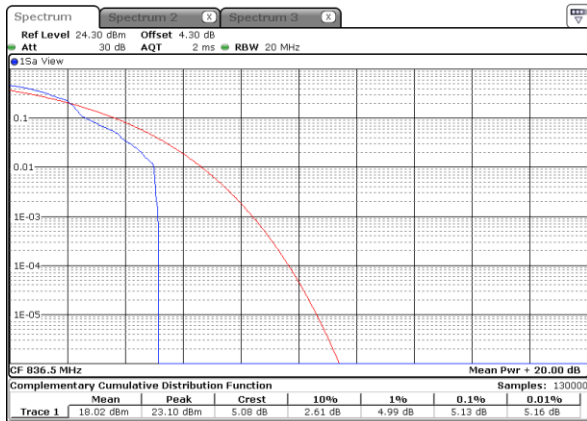
Date: 26 MAY 2020 11:56:13

Lowest Channel / 100RB0



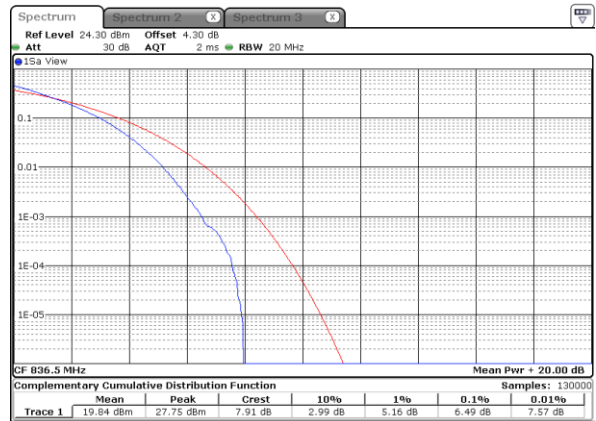
Date: 26 MAY 2020 11:58:33

Middle Channel / 1RB0



Date: 26 MAY 2020 12:16:12

Middle Channel / 100RB0



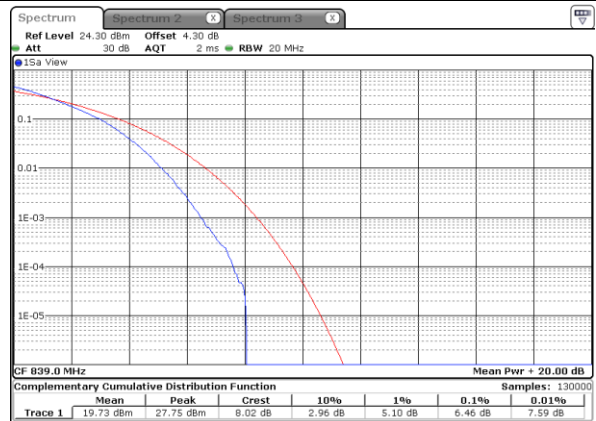
Date: 26 MAY 2020 12:05:57

Highest Channel / 1RB0



Date: 26 MAY 2020 12:29:49

Highest Channel / 100RB0

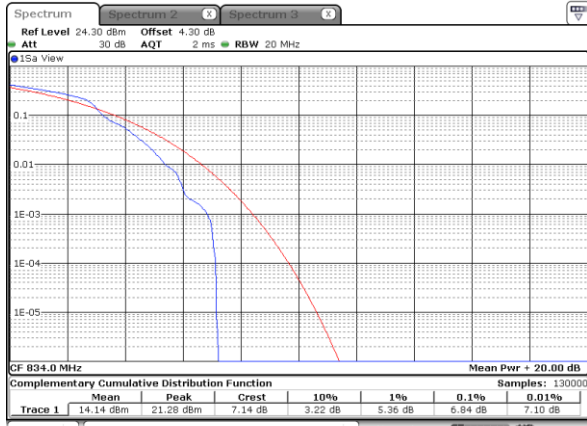


Date: 26 MAY 2020 12:37:25



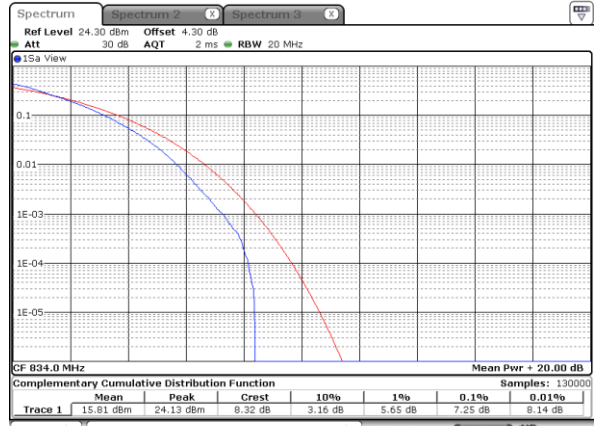
EN-DC\_66A\_n5A / LTE 10MHz + NR 20MHz / 256QAM

Lowest Channel / 1RB0



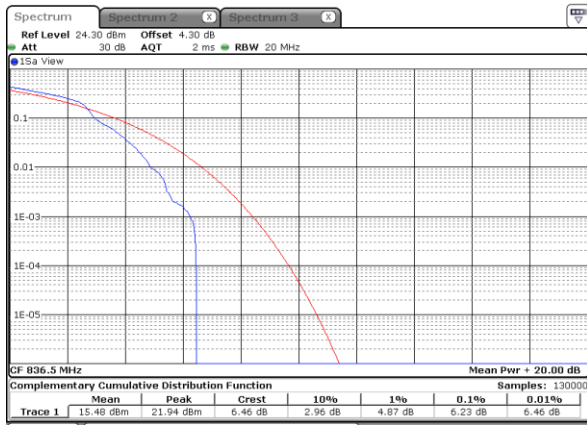
Date: 26 MAY 2020 11:55:00

Lowest Channel / 100RB0



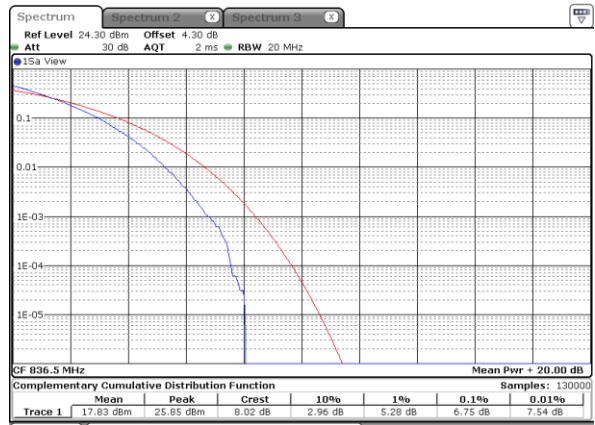
Date: 26 MAY 2020 11:57:19

Middle Channel / 1RB0



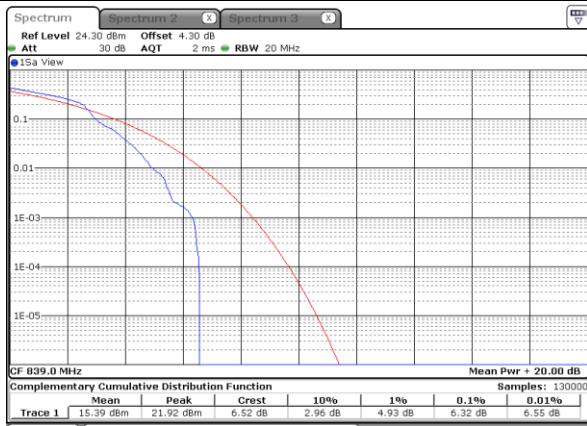
Date: 26 MAY 2020 12:09:07

Middle Channel / 100RB0



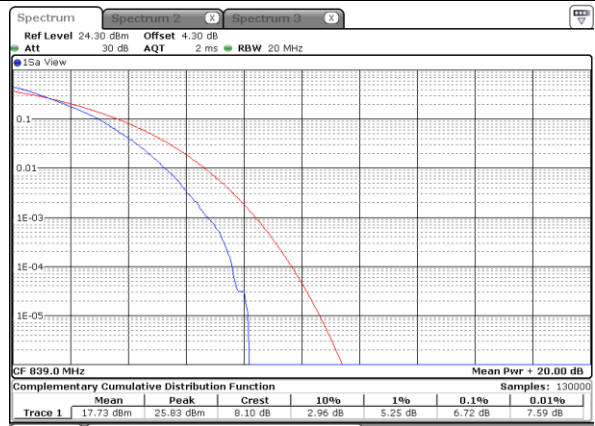
Date: 26 MAY 2020 12:03:35

Highest Channel / 1RB0



Date: 26 MAY 2020 12:22:52

Highest Channel / 100RB0



Date: 26 MAY 2020 12:33:16



**26dB Bandwidth**

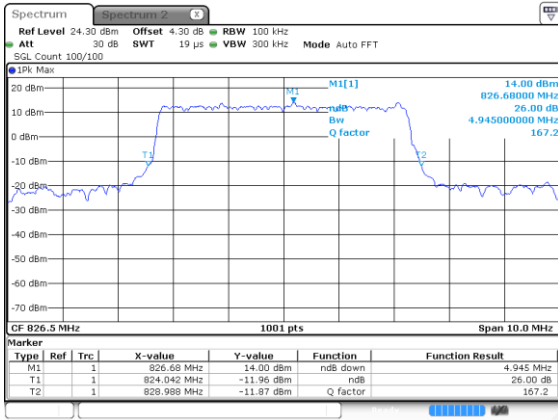
Mode	N5 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	5.11	5.25	9.67	9.99	14.20	14.35	20.3	20.3
Middle CH	5.30	5.03	9.77	9.79	14.62	14.26	20.14	20.06
Highest CH	5.17	5.09	9.89	9.73	14.44	14.26	20.14	20.22
Mode	N5 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	5.17	5.13	9.91	9.93	14.26	14.38	20.22	20.38
Middle CH	5.13	5.21	9.97	9.95	14.29	14.26	20.18	20.1
Highest CH	5.11	5.18	9.77	9.79	14.26	14.29	20.18	20.22
Mode	N5 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	BPSK		BPSK		BPSK		BPSK	
Lowest CH	4.94		9.67		14.08		20.1	
Middle CH	4.96		9.87		14.17		20.1	
Highest CH	5.01		9.69		14.46		20.14	



EN-DC\_66A\_n5A

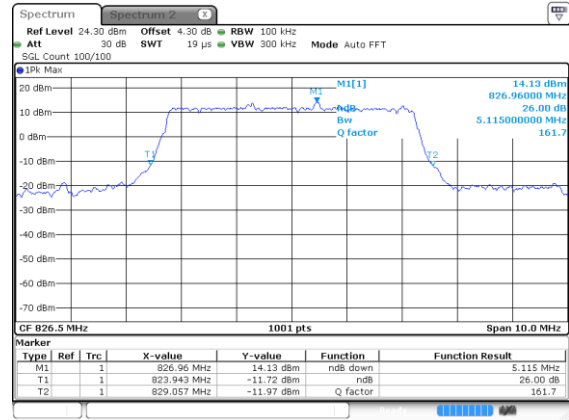
Combination LTE 10MHz + NR 5MHz

Lowest Channel / BPSK



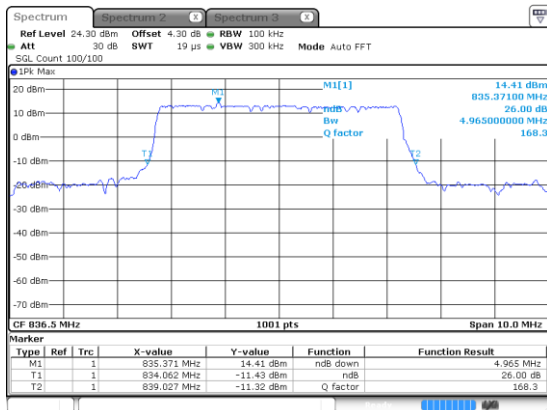
Date: 25 MAY 2020 17:21:56

Lowest Channel / QPSK



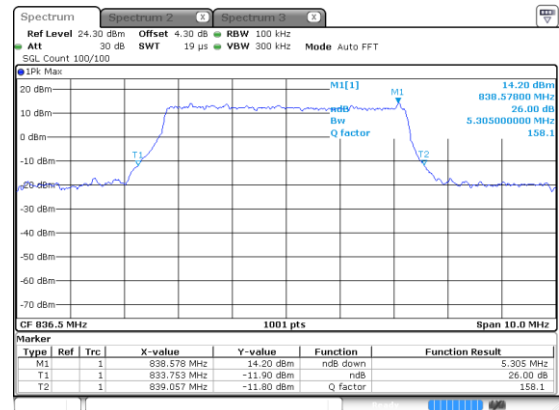
Date: 25 MAY 2020 17:24:47

Middle Channel / BPSK



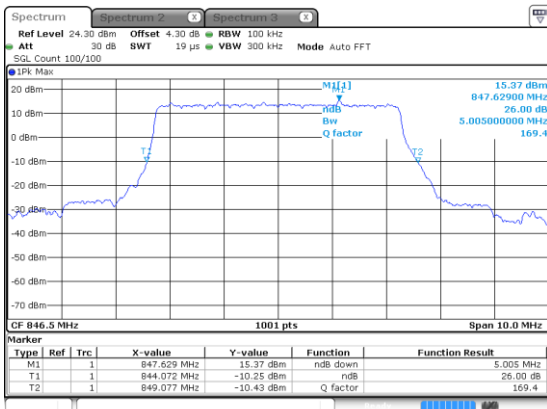
Date: 25 MAY 2020 17:24:47

Middle Channel / QPSK



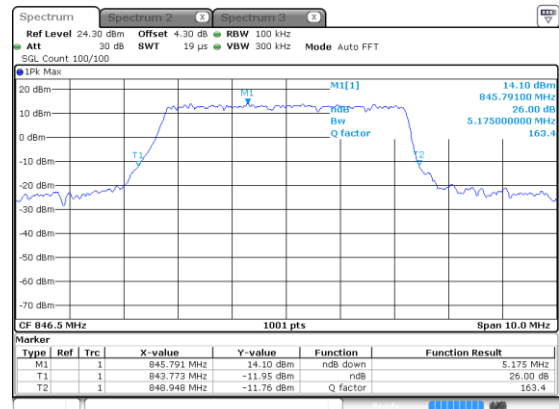
Date: 25 MAY 2020 17:24:47

Highest Channel / BPSK



Date: 25 MAY 2020 17:24:47

Highest Channel / QPSK



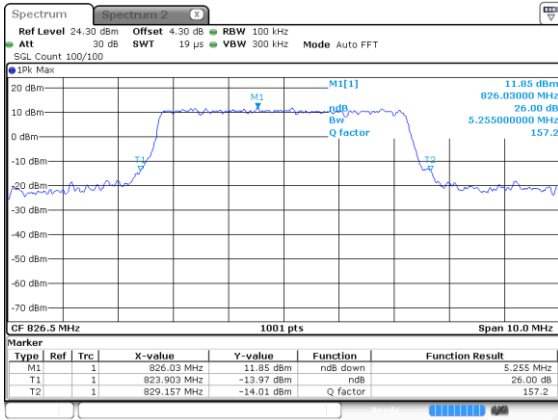
Date: 25 MAY 2020 17:24:47



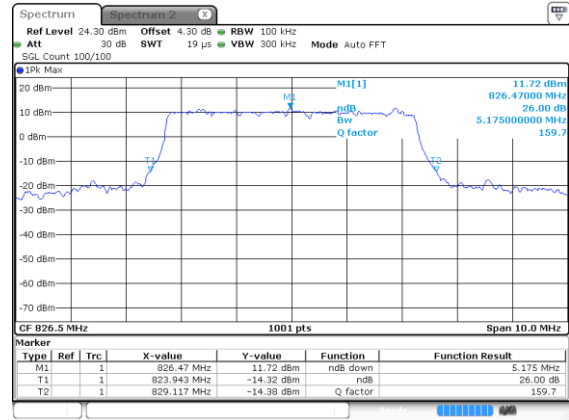
EN-DC\_66A\_n5A

Combination LTE 10MHz + NR 5MHz

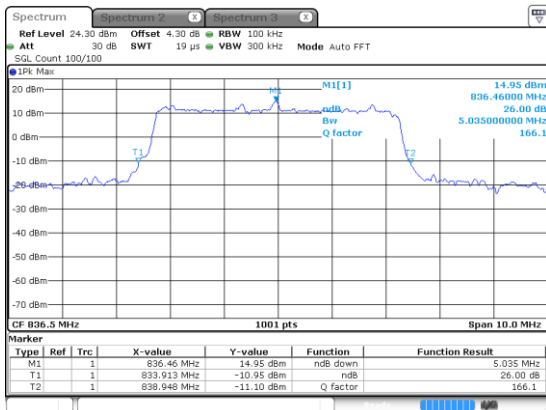
Lowest Channel / 16QAM



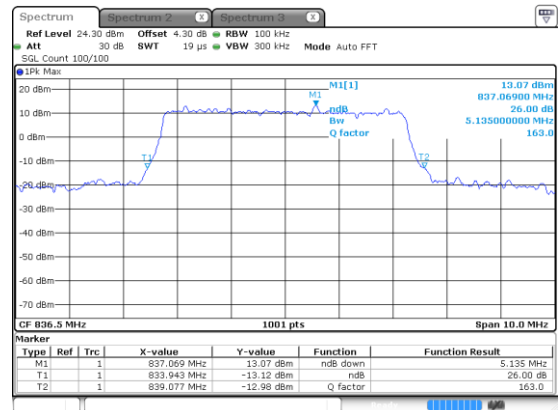
Lowest Channel / 64QAM



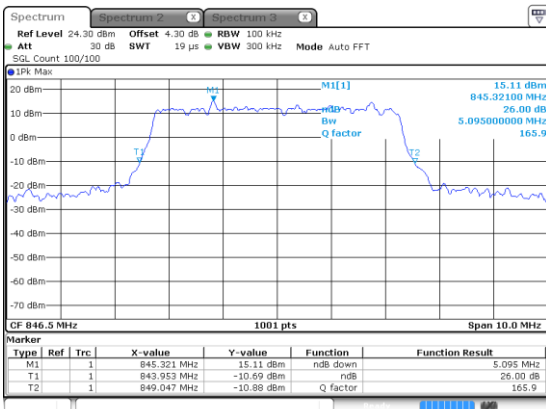
Middle Channel / 16QAM



Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

