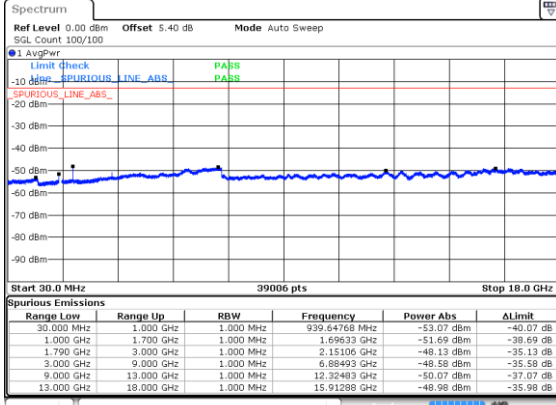


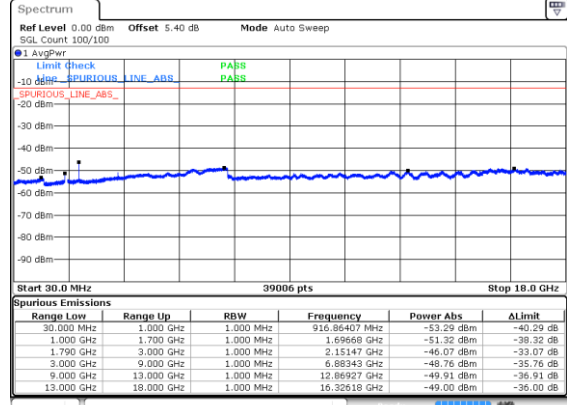


EN-DC_5A_n66A / LTE 10MHz + NR 15MHz

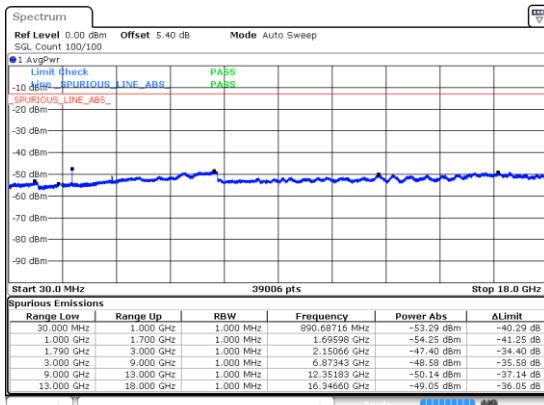
Lowest Channel / 16QAM



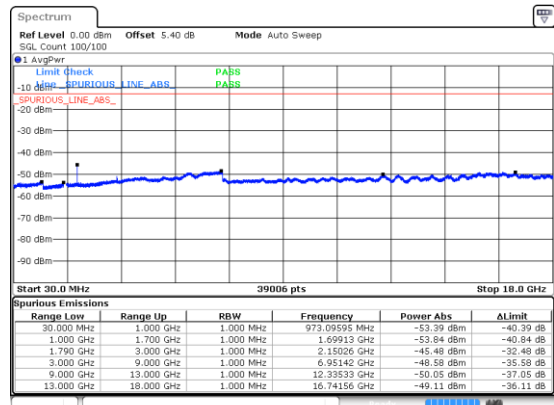
Lowest Channel / 64QAM



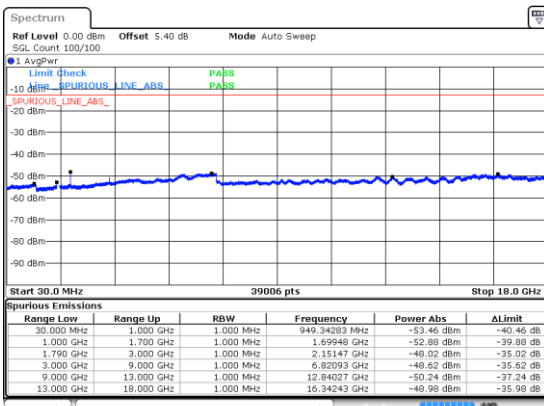
Middle Channel / 16QAM



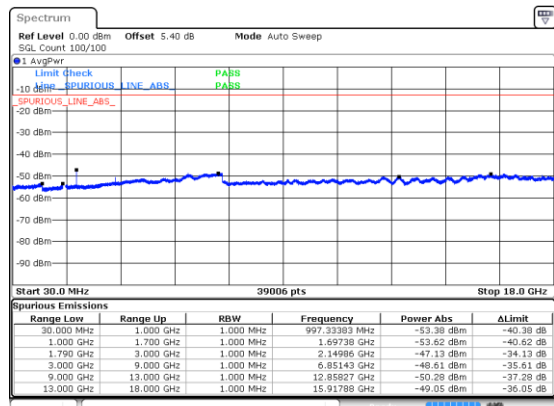
Middle Channel / 64QAM



Highest Channel / 16QAM



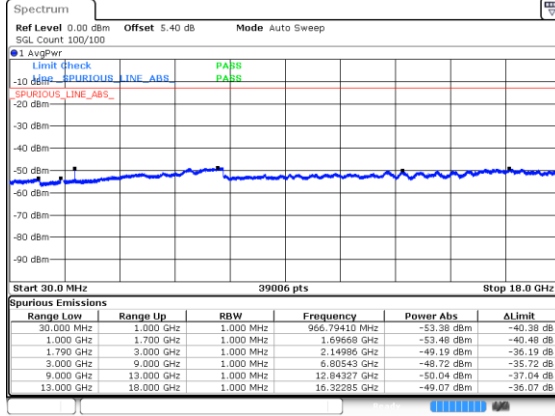
Highest Channel / 64QAM



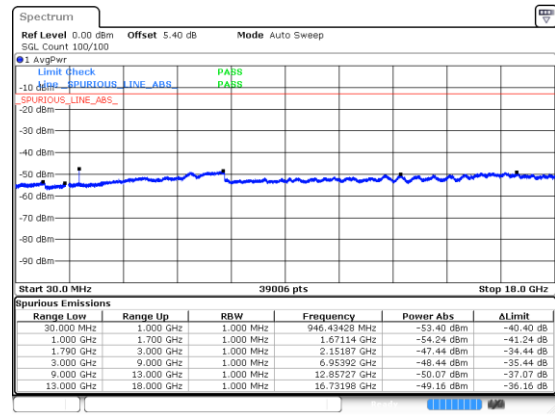


EN-DC_5A_n66A / LTE 10MHz + NR 15MHz

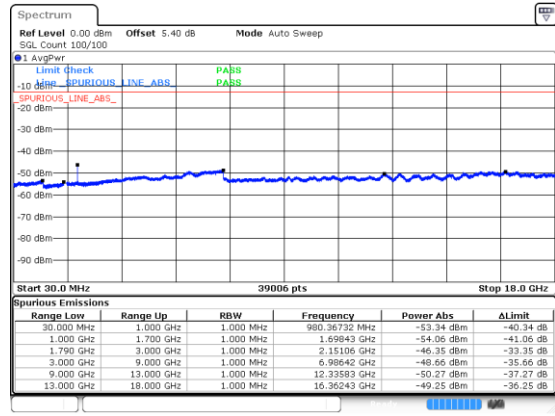
Lowest Channel / 256QAM



Middle Channel / 256QAM



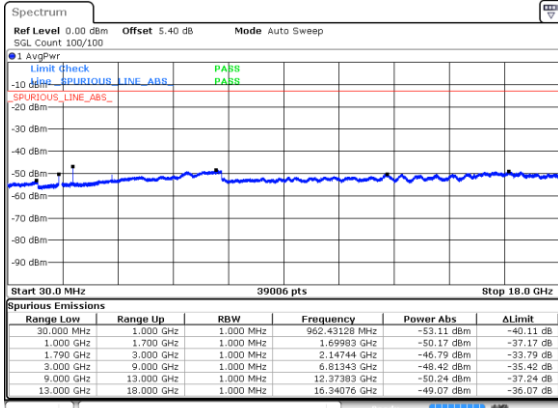
Highest Channel / 256QAM



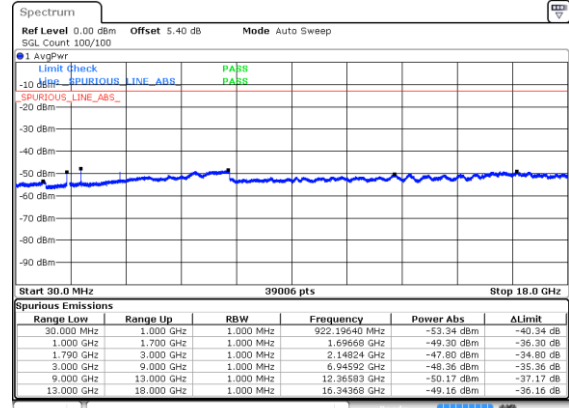


EN-DC_5A_n66A / LTE 10MHz + NR 20MHz

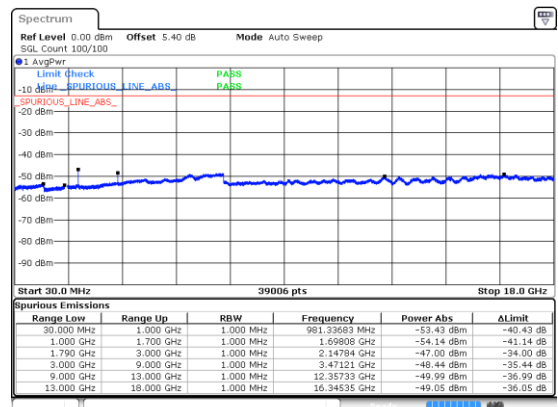
Lowest Channel / BPSK



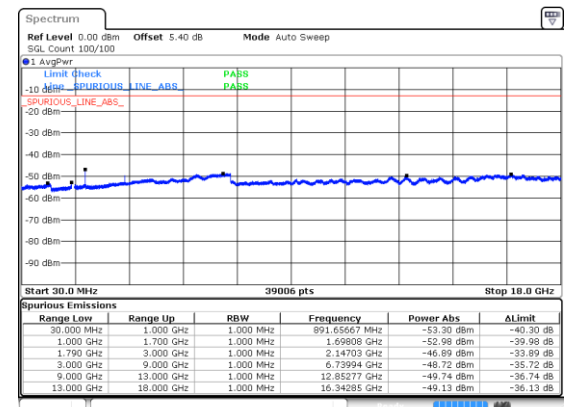
Lowest Channel / QPSK



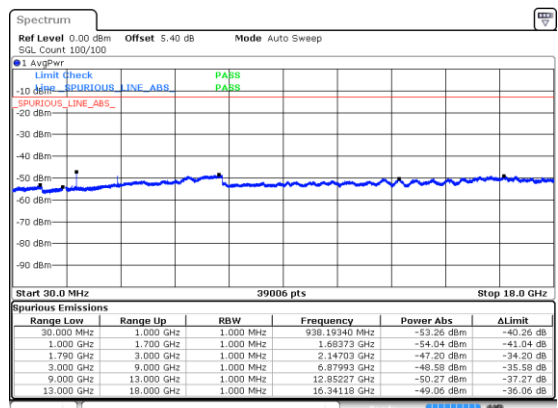
Middle Channel / BPSK



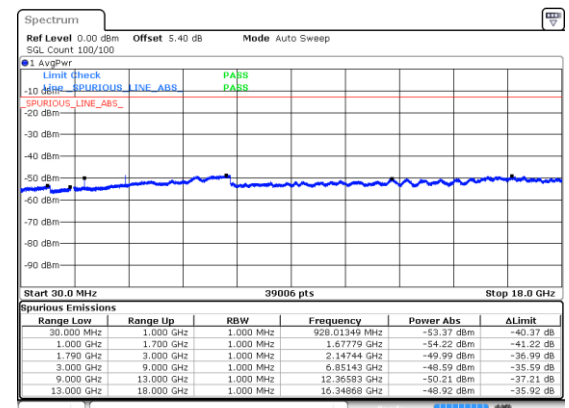
Middle Channel / QPSK



Highest Channel / BPSK



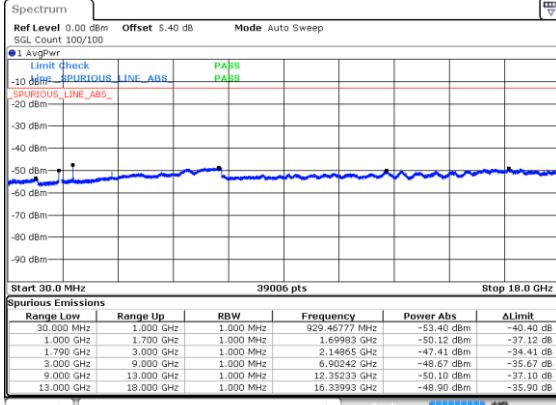
Highest Channel / QPSK



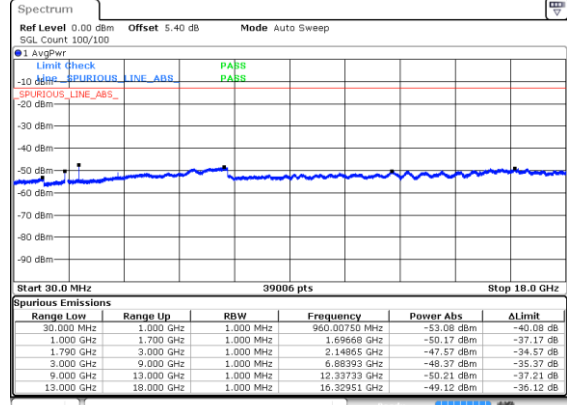


EN-DC_5A_n66A / LTE 10MHz + NR 20MHz

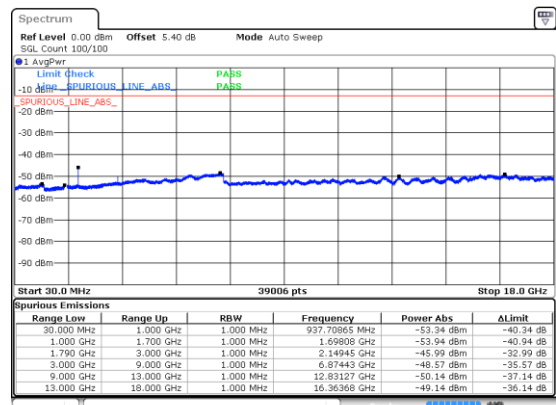
Lowest Channel / 16QAM



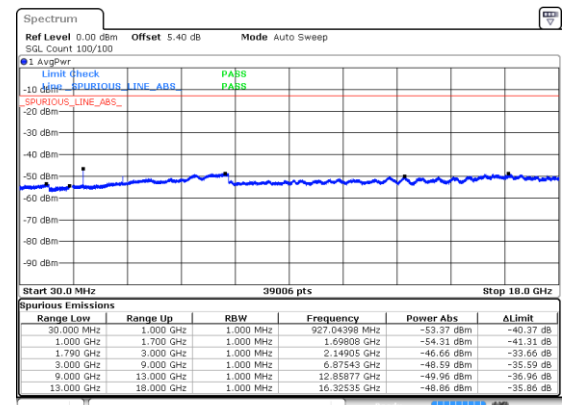
Lowest Channel / 64QAM



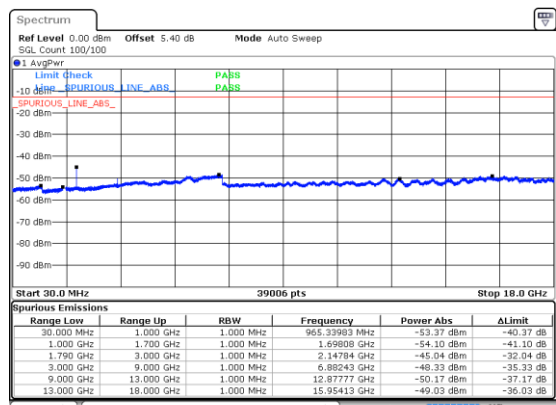
Middle Channel / 16QAM



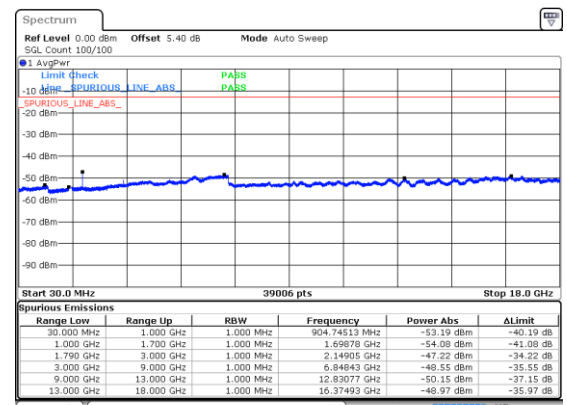
Middle Channel / 64QAM



Highest Channel / 16QAM



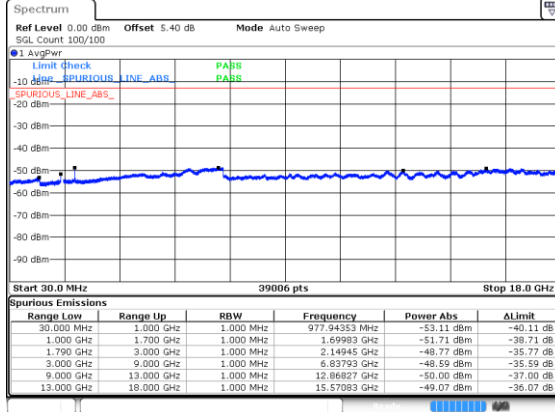
Highest Channel / 64QAM



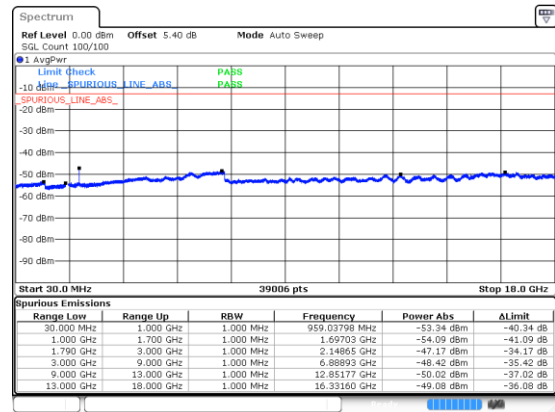


EN-DC_5A_n66A / LTE 10MHz + NR 20MHz

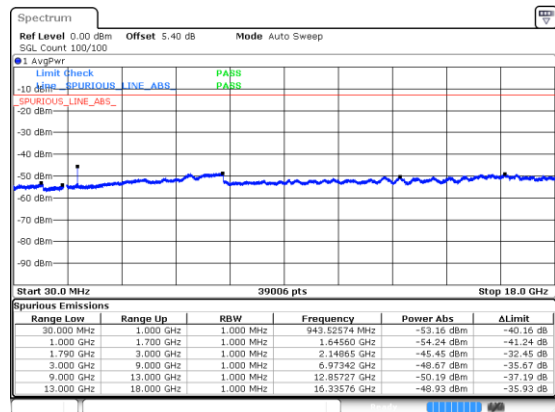
Lowest Channel / 256QAM



Middle Channel / 256QAM



Highest Channel / 256QAM





Frequency Stability

Test Conditions		EN-DC_5A_n66A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	LTE 10MHz + NR 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0003	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0002	

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 n71

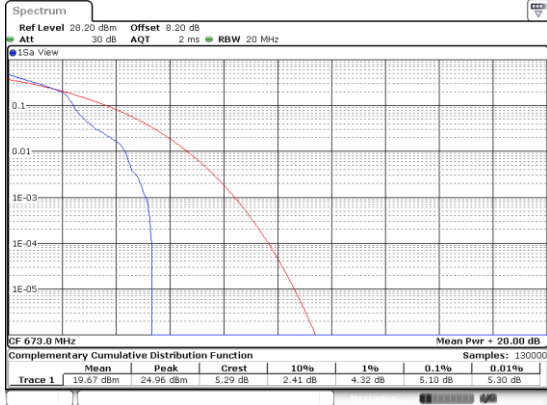
Peak-to-Average Ratio

Mode	N71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.10	5.30	6.61	6.20	PASS
Middle CH	5.57	4.75	6.64	6.55	
Highest CH	6.26	5.28	6.46	6.17	
Mode	N71 / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.75	6.35	6.20	6.55	PASS
Middle CH	5.83	6.17	6.06	6.55	
Highest CH	5.86	6.20	6.17	6.35	
Mode	N71 / 20MHz				
Mod.	BPSK				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.10	4.52			PASS
Middle CH	5.16	5.22			
Highest CH	4.58	6.67			

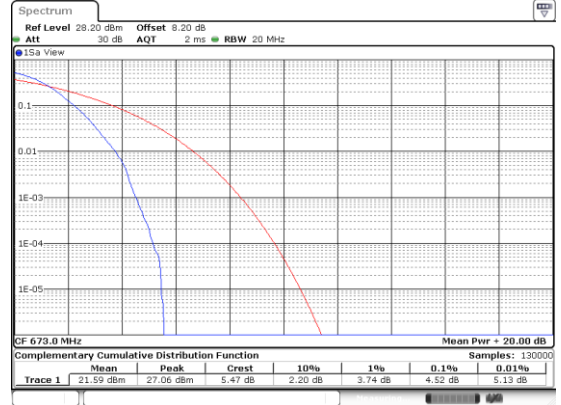


EN-DC_66A_n71A / LTE 10MHz + NR 20MHz / BPSK

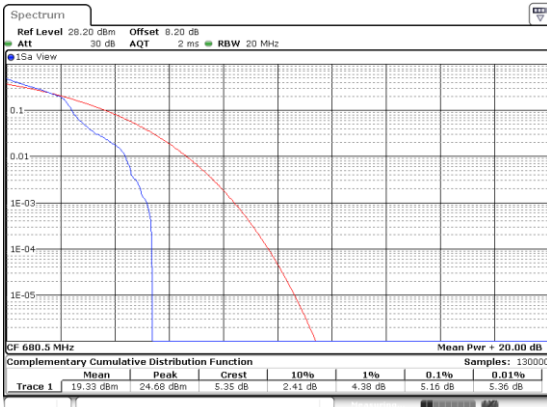
Lowest Channel / 1RB0



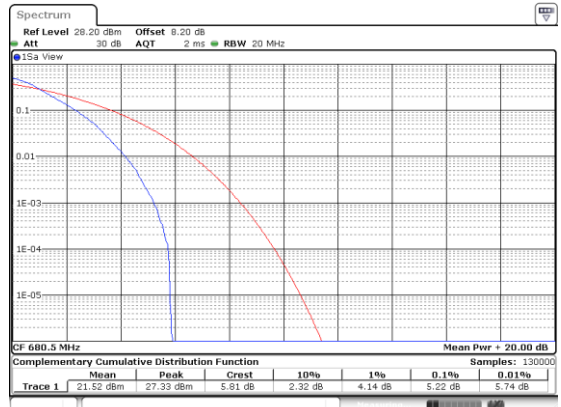
Lowest Channel / 100RB0



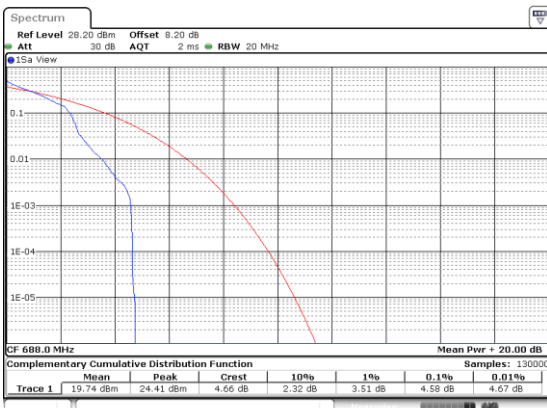
Middle Channel / 1RB0



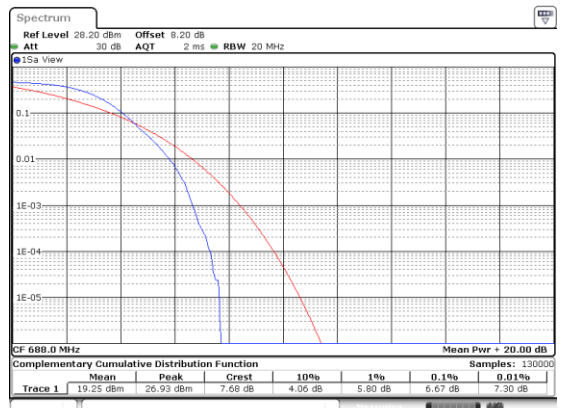
Middle Channel / 100RB0



Highest Channel / 1RB0



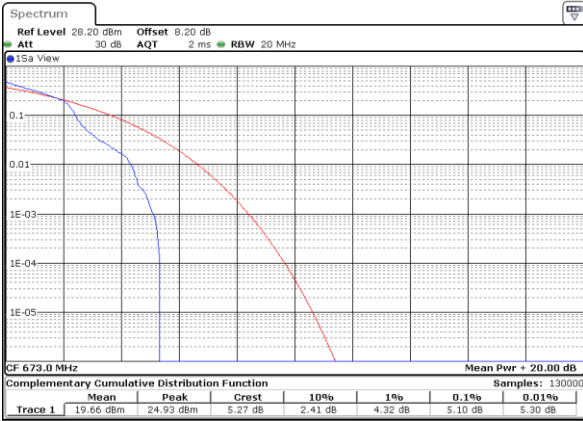
Highest Channel / 100RB0





EN-DC_66A_n71A / LTE 10MHz + NR 20MHz / QPSK

Lowest Channel / 1RB0



Date: 24 MAY 2020 17:06:36

Lowest Channel / 100RB0



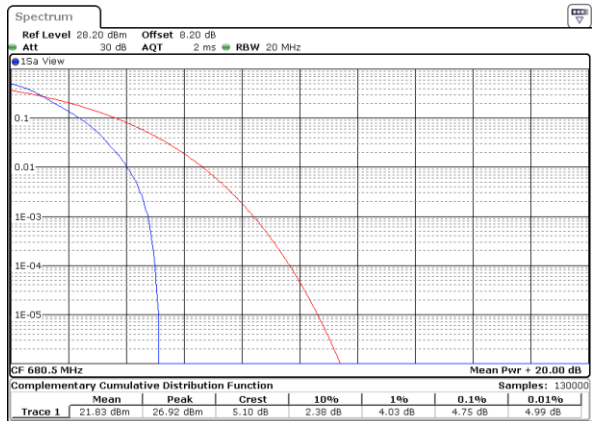
Date: 24 MAY 2020 16:45:32

Middle Channel / 1RB0



Date: 24 MAY 2020 17:12:21

Middle Channel / 100RB0



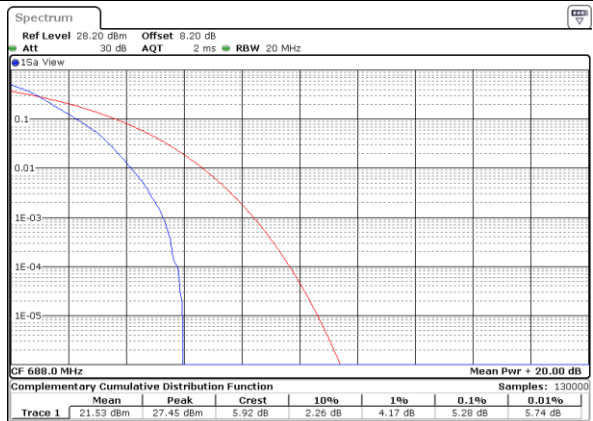
Date: 24 MAY 2020 17:30:35

Highest Channel / 1RB0



Date: 24 MAY 2020 17:44:19

Highest Channel / 100RB0

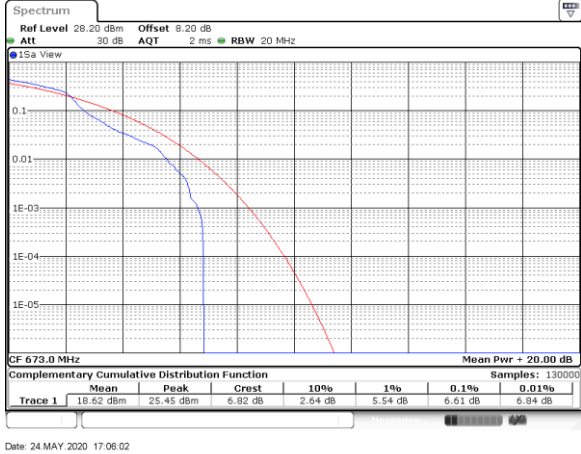


Date: 24 MAY 2020 17:36:36



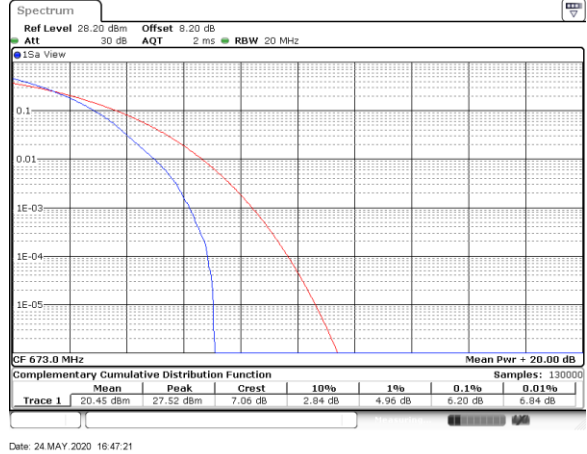
EN-DC_66A_n71A / LTE 10MHz + NR 20MHz / 16QAM

Lowest Channel / 1RB0



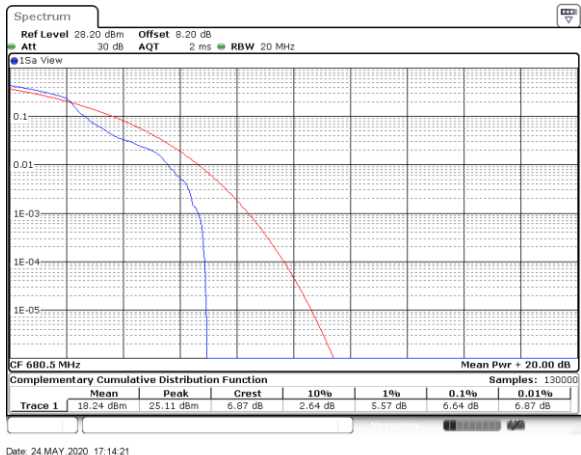
Date: 24 MAY 2020 17:06:02

Lowest Channel / 100RB0



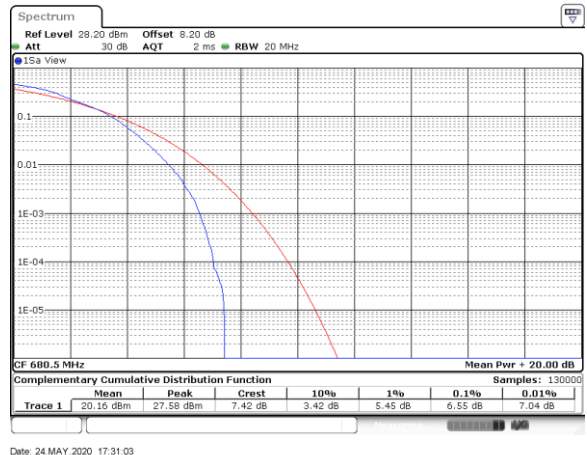
Date: 24 MAY 2020 16:47:21

Middle Channel / 1RB0



Date: 24 MAY 2020 17:14:21

Middle Channel / 100RB0



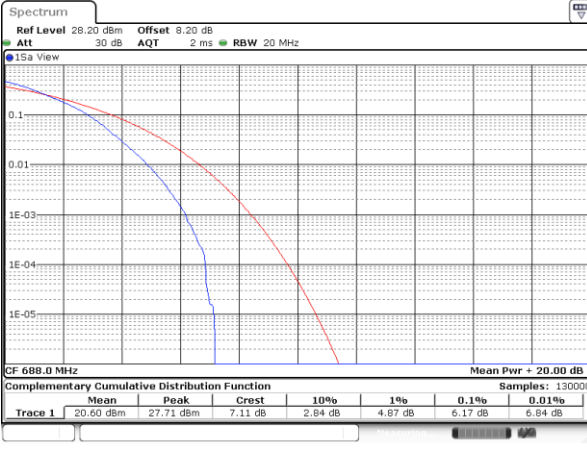
Date: 24 MAY 2020 17:31:03

Highest Channel / 1RB0



Date: 24 MAY 2020 17:46:21

Highest Channel / 100RB0

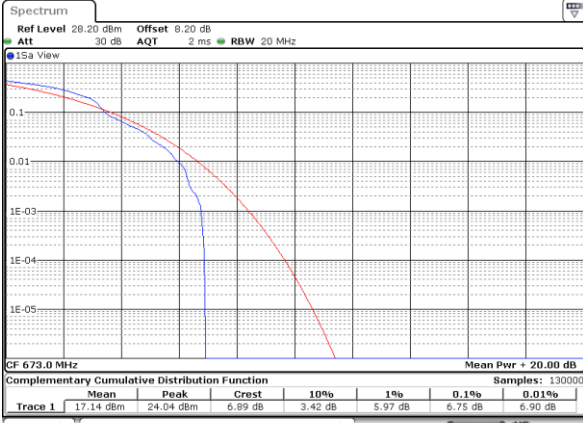


Date: 24 MAY 2020 17:37:42



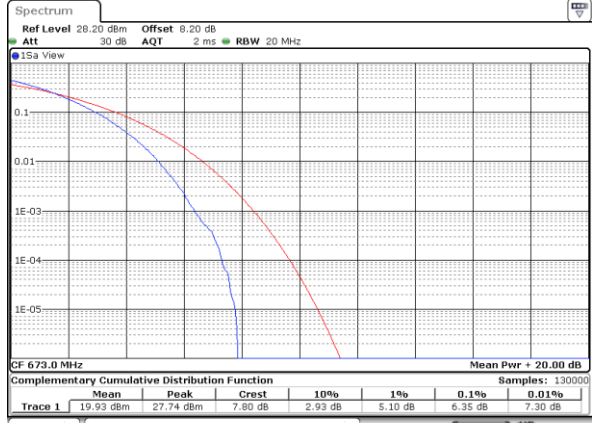
EN-DC_66A_n71A / LTE 10MHz + NR 20MHz / 64QAM

Lowest Channel / 1RB0



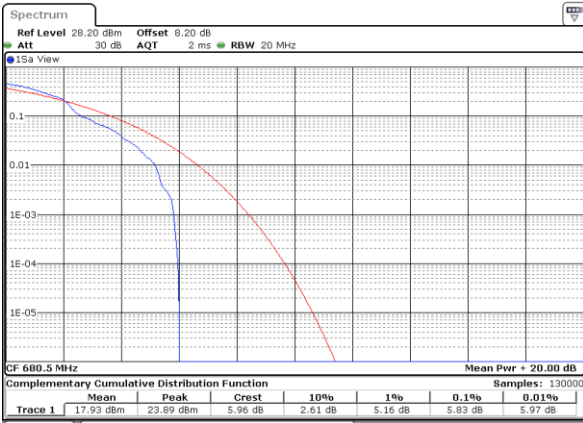
Date: 24 MAY 2020 17:02:45

Lowest Channel / 100RB0



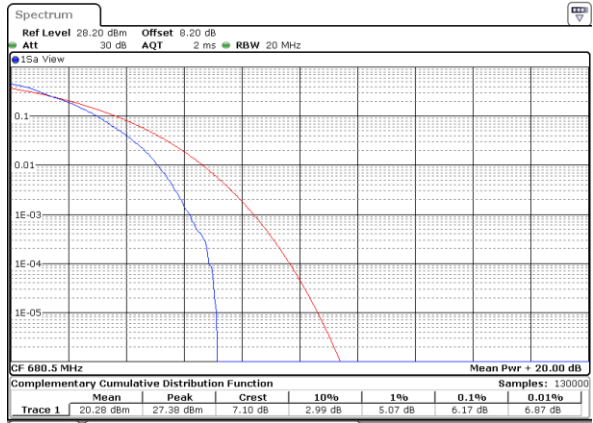
Date: 24 MAY 2020 16:47:36

Middle Channel / 1RB0



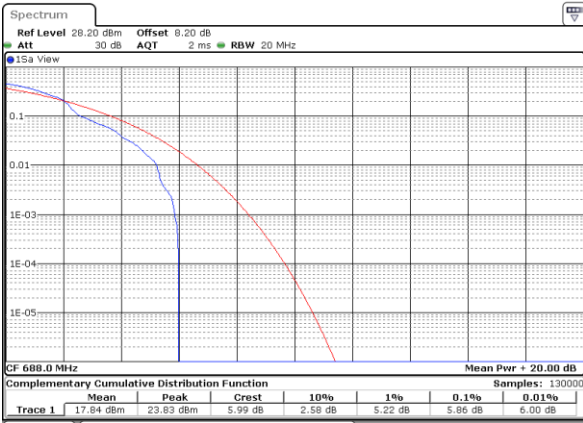
Date: 24 MAY 2020 17:16:17

Middle Channel / 100RB0



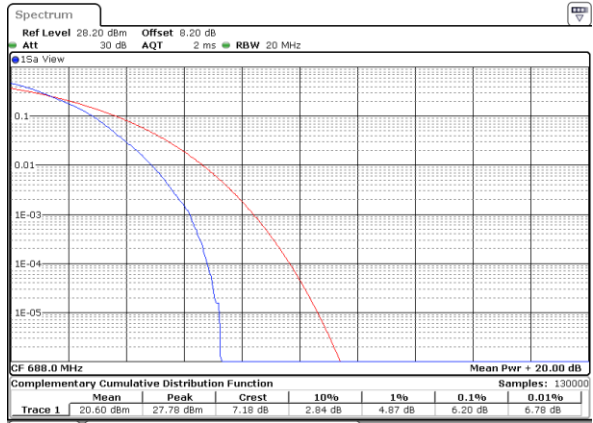
Date: 24 MAY 2020 17:31:43

Highest Channel / 1RB0



Date: 24 MAY 2020 17:48:48

Highest Channel / 100RB0

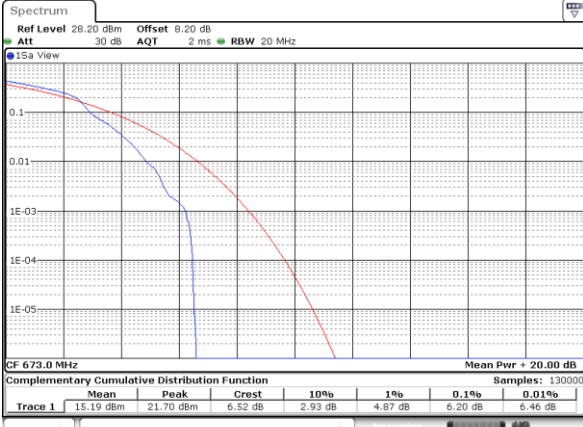


Date: 24 MAY 2020 17:38:39



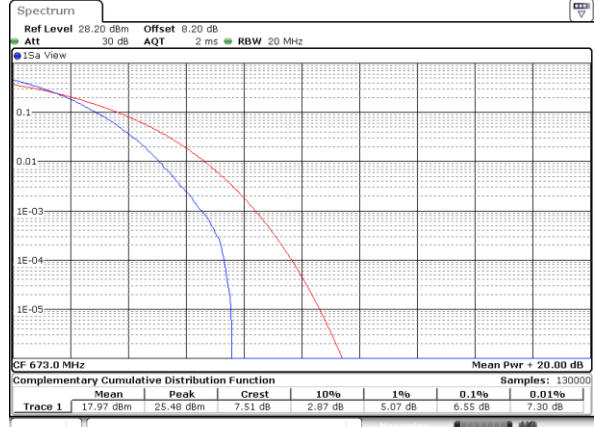
EN-DC_66A_n71A / LTE 10MHz + NR 20MHz / 256QAM

Lowest Channel / 1RB0



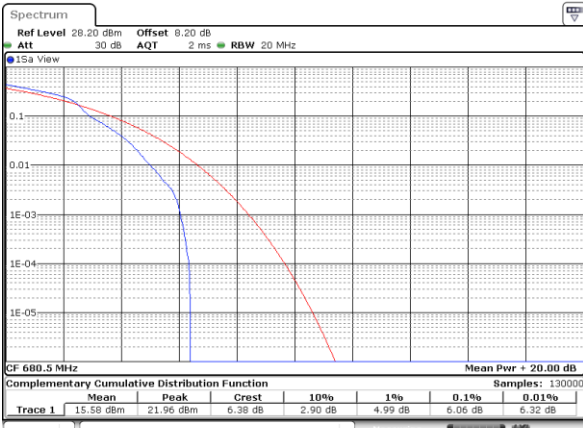
Date: 24 MAY 2020 17:05:29

Lowest Channel / 100RB0



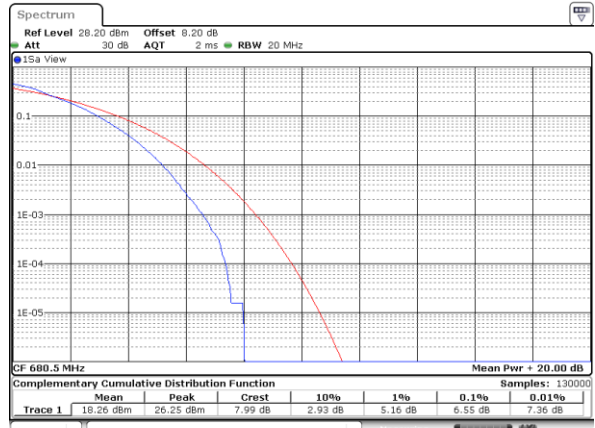
Date: 24 MAY 2020 16:43:28

Middle Channel / 1RB0



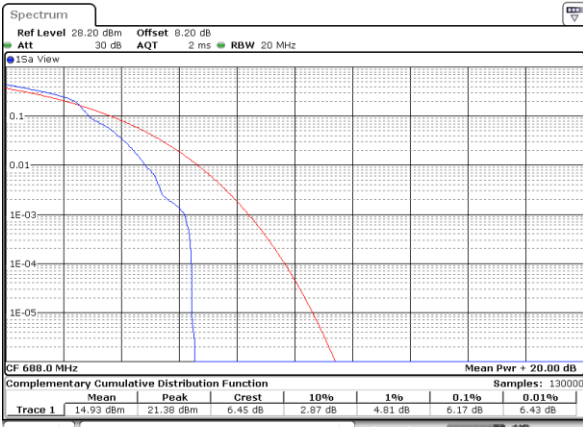
Date: 24 MAY 2020 17:10:12

Middle Channel / 100RB0



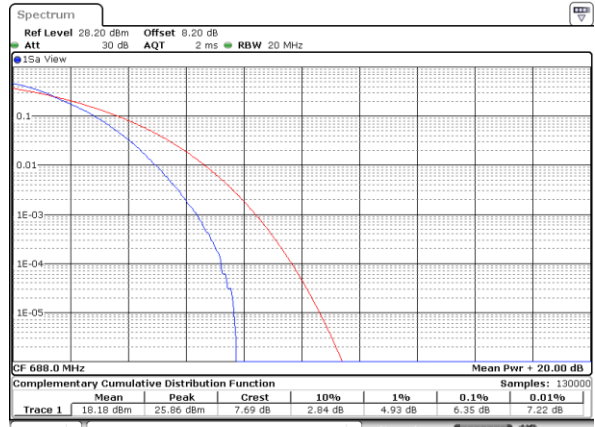
Date: 24 MAY 2020 17:29:02

Highest Channel / 1RB0



Date: 24 MAY 2020 17:42:00

Highest Channel / 100RB0



Date: 24 MAY 2020 17:34:31



26dB Bandwidth

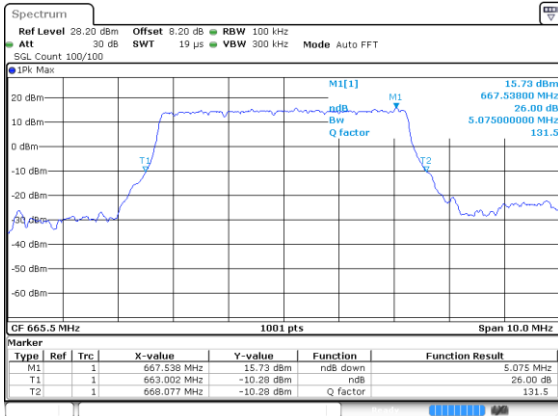
Mode	N71 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	5.06	5.09	9.79	9.77	14.53	14.47	20.06	20.14
Middle CH	5.15	5.04	9.81	10.31	14.35	14.38	20.14	20.14
Highest CH	5.03	5.02	10.01	9.91	14.17	14.23	20.18	20.18
Mode	N71 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	5.10	5.06	9.77	9.99	14.44	14.20	20.1	20.1
Middle CH	5.13	5.12	9.67	9.89	14.26	14.65	20.1	20.22
Highest CH	5.08	5.08	9.99	10.01	14.32	14.32	20.14	20.18
Mode	N71 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	BPSK		BPSK		BPSK		BPSK	
Lowest CH	5.07		9.69		14.65		20.1	
Middle CH	5.03		9.81		14.59		20.18	
Highest CH	5.20		9.69		14.38		20.1	



EN-DC_66A_n71A

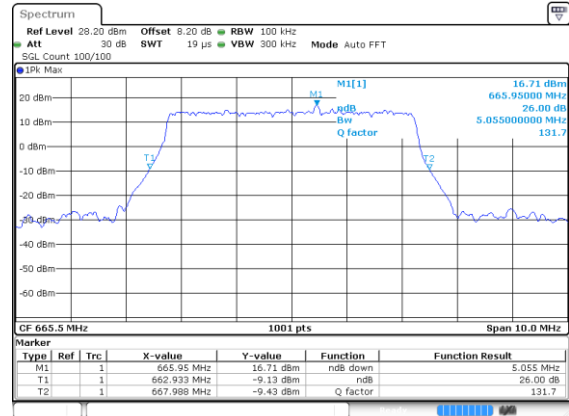
Combination LTE 10MHz + NR 5MHz

Lowest Channel / BPSK



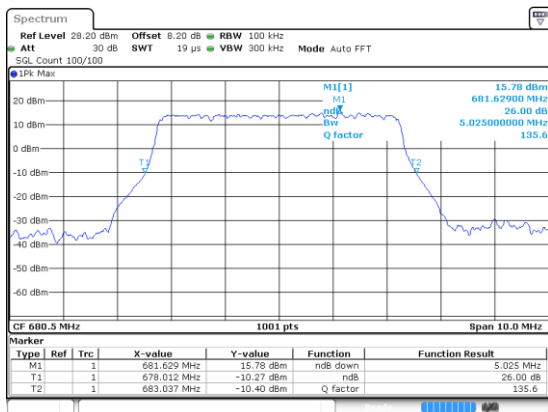
Date: 24 MAY 2020, 11:52:55

Lowest Channel / QPSK



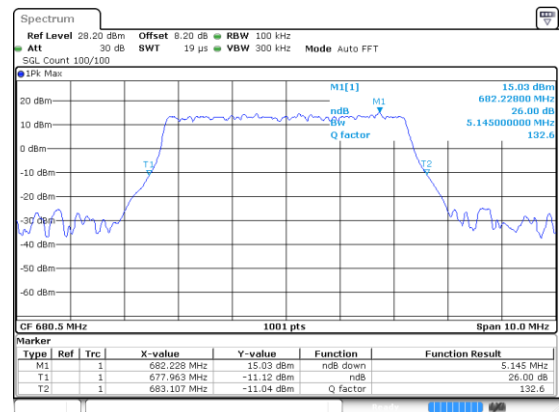
Date: 24 MAY 2020, 11:56:58

Middle Channel / BPSK



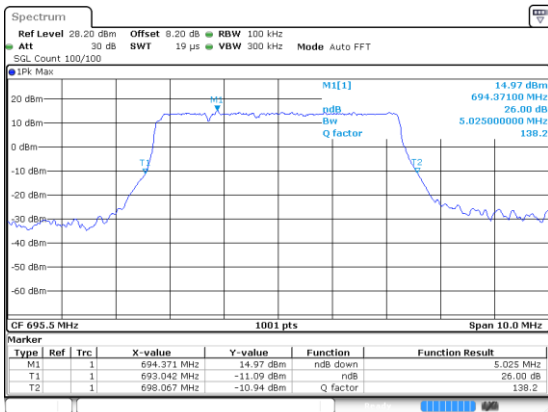
Date: 24 MAY 2020, 11:58:58

Middle Channel / QPSK



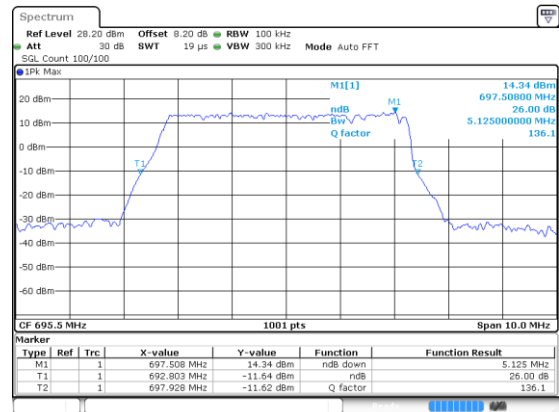
Date: 24 MAY 2020, 12:00:58

Highest Channel / BPSK



Date: 24 MAY 2020, 12:02:58

Highest Channel / QPSK



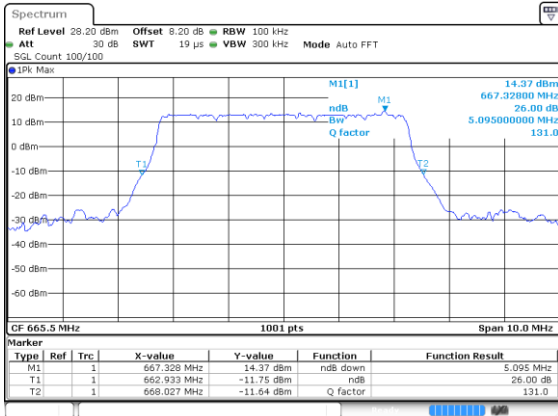
Date: 24 MAY 2020, 12:04:58



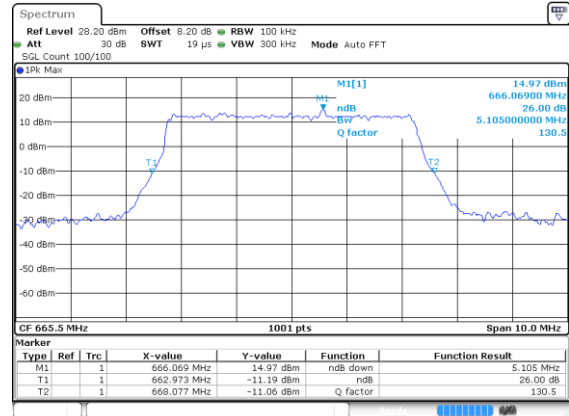
EN-DC_66A_n71A

Combination LTE 10MHz + NR 5MHz

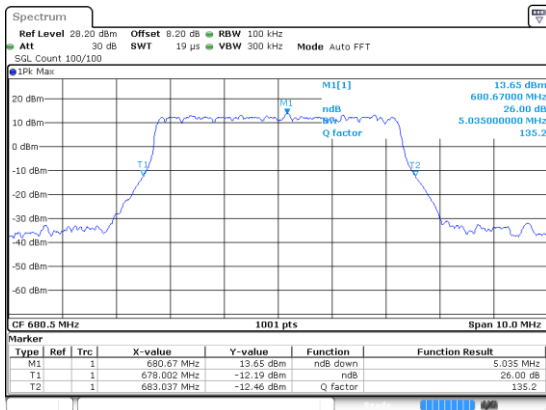
Lowest Channel / 16QAM



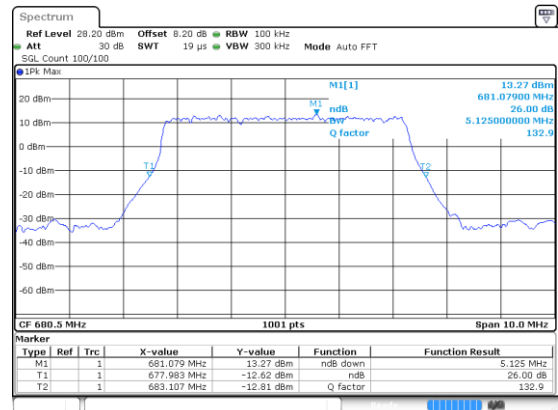
Lowest Channel / 64QAM



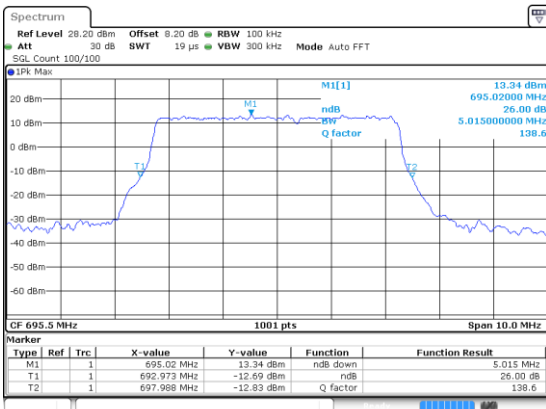
Middle Channel / 16QAM



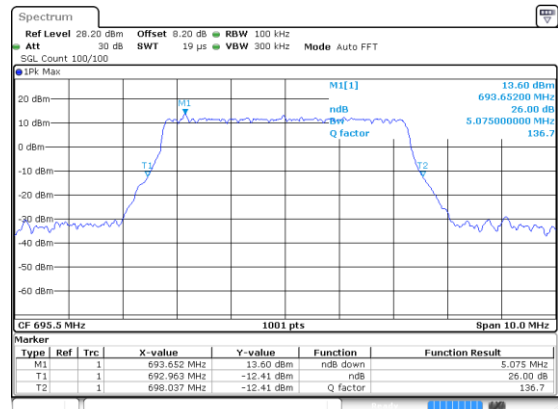
Middle Channel / 64QAM

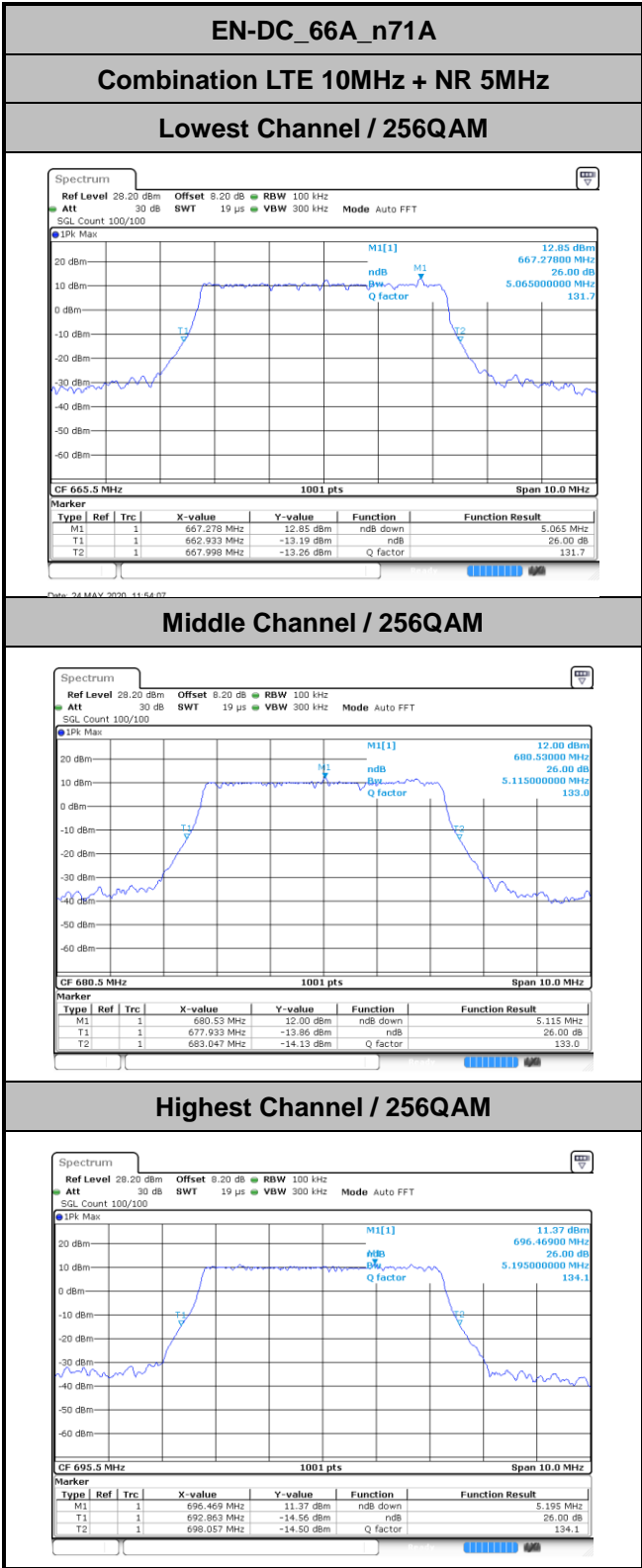


Highest Channel / 16QAM



Highest Channel / 64QAM



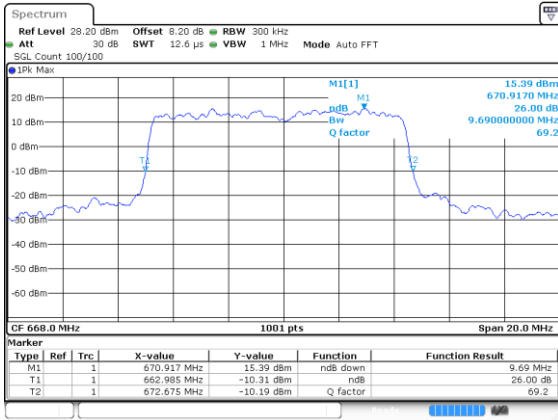




EN-DC_66A_n71A

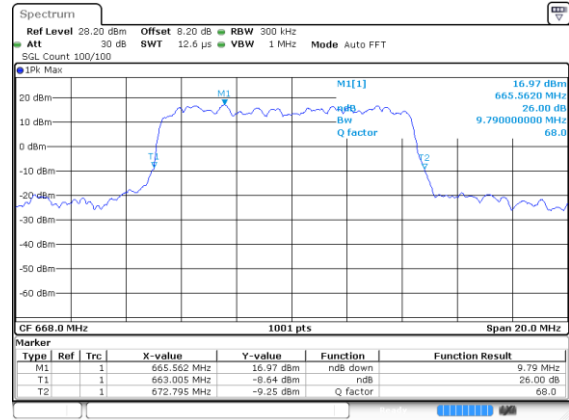
Combination LTE 10MHz + NR 10MHz

Lowest Channel / BPSK



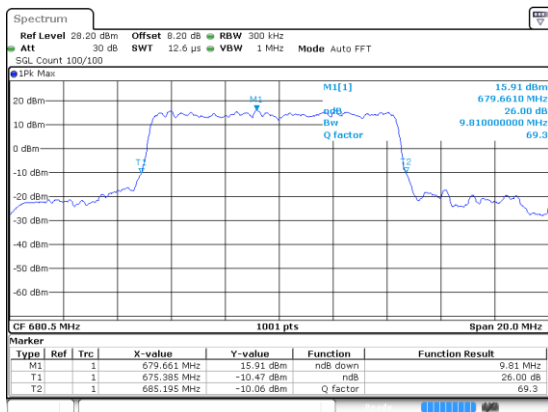
Date: 24 MAY 2020 13:48:58

Lowest Channel / QPSK



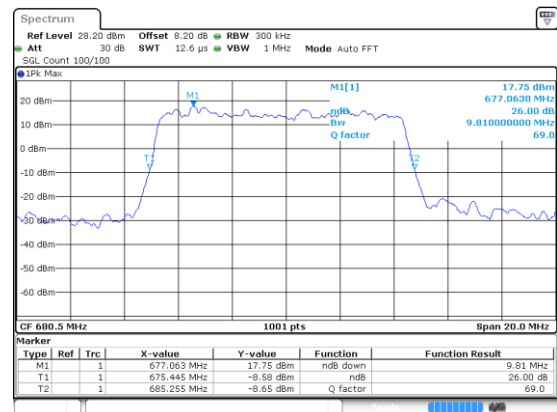
Date: 24 MAY 2020 13:51:58

Middle Channel / BPSK



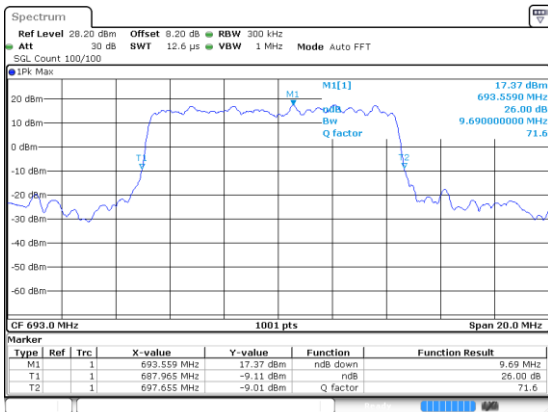
Date: 24 MAY 2020 13:54:58

Middle Channel / QPSK



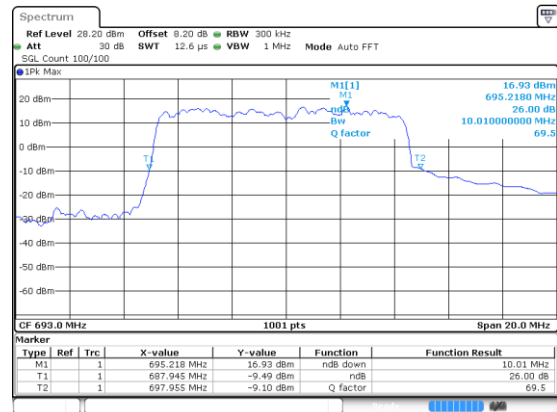
Date: 24 MAY 2020 13:57:58

Highest Channel / BPSK



Date: 24 MAY 2020 13:59:58

Highest Channel / QPSK



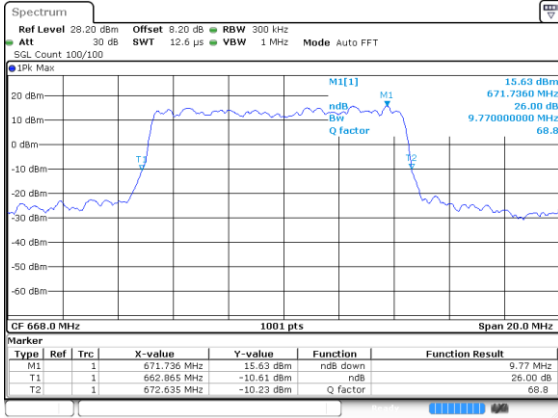
Date: 24 MAY 2020 14:02:58



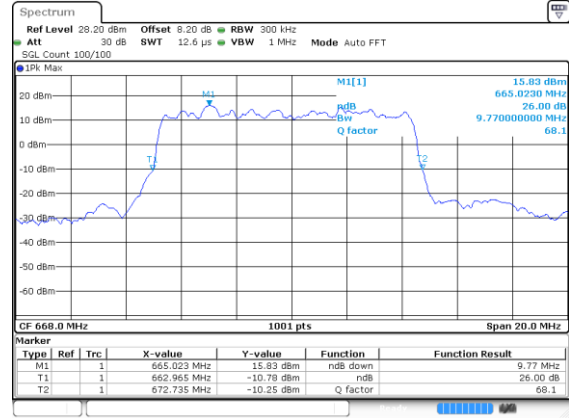
EN-DC_66A_n71A

Combination LTE 10MHz + NR 10MHz

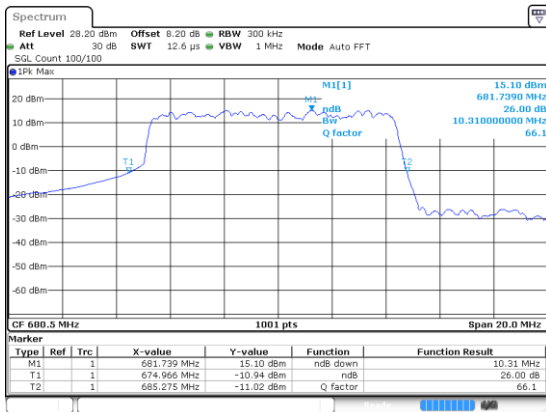
Lowest Channel / 16QAM



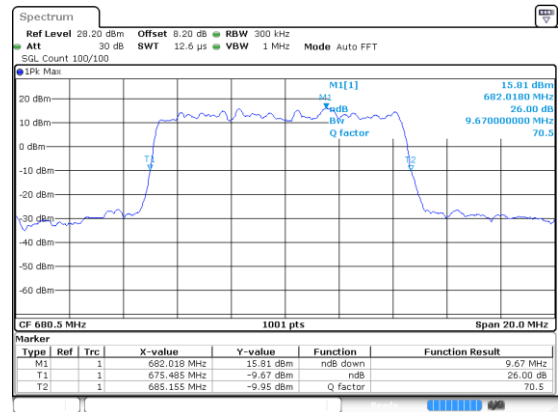
Lowest Channel / 64QAM



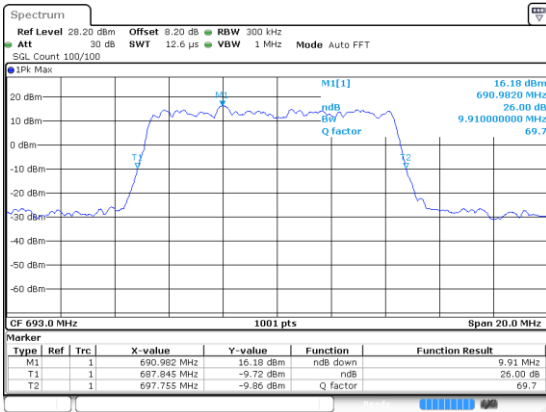
Middle Channel / 16QAM



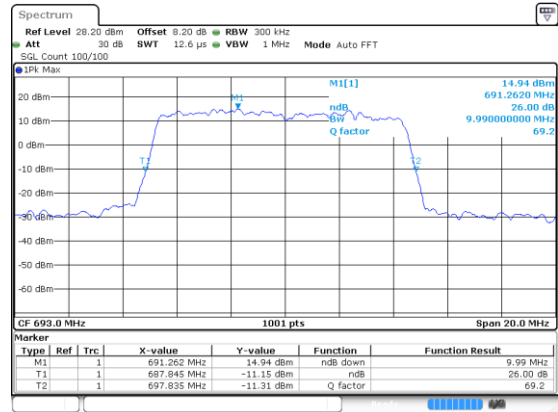
Middle Channel / 64QAM

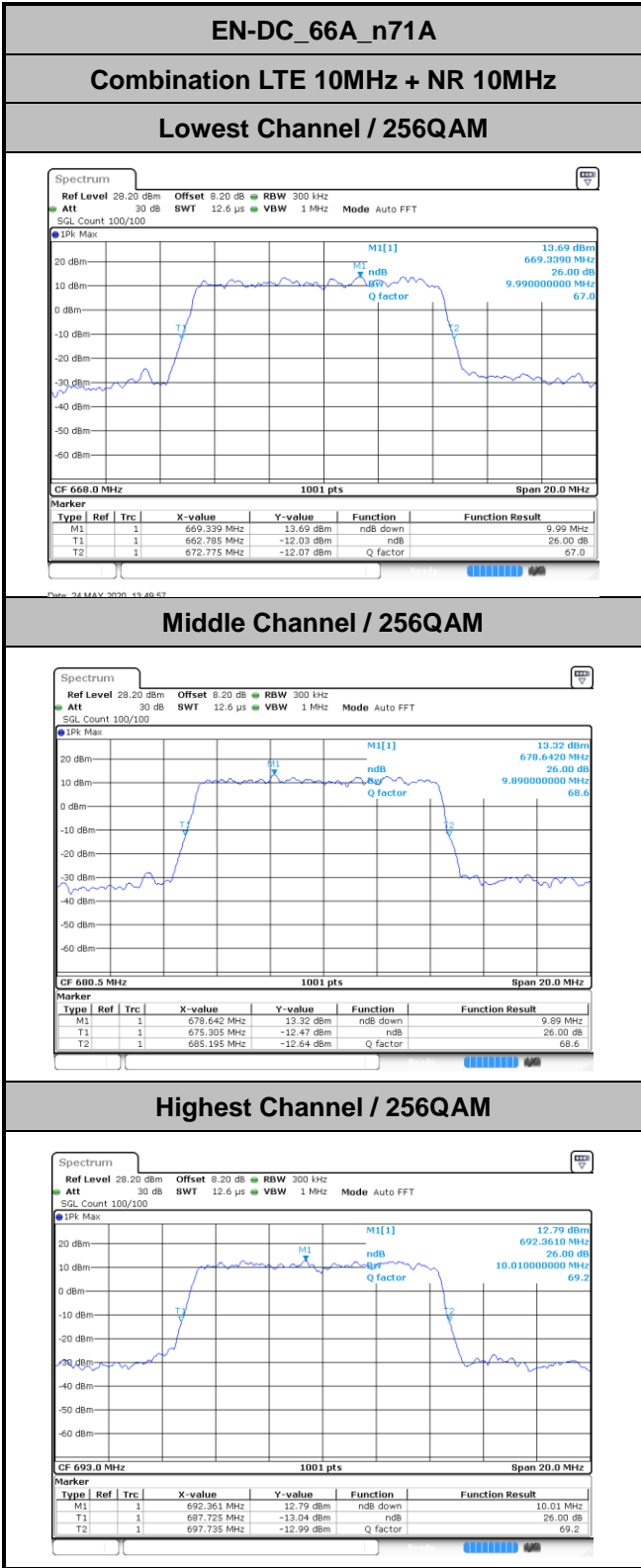


Highest Channel / 16QAM



Highest Channel / 64QAM



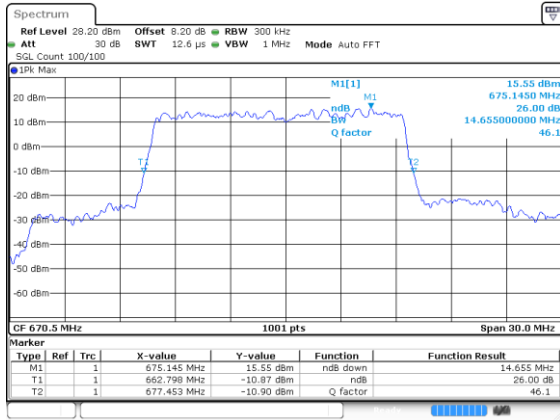




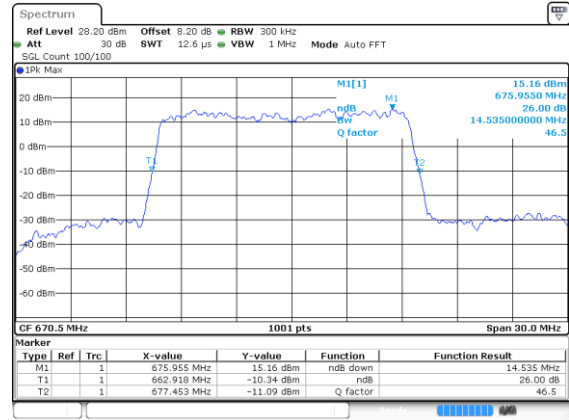
EN-DC_66A_n71A

Combination LTE 10MHz + NR 15MHz

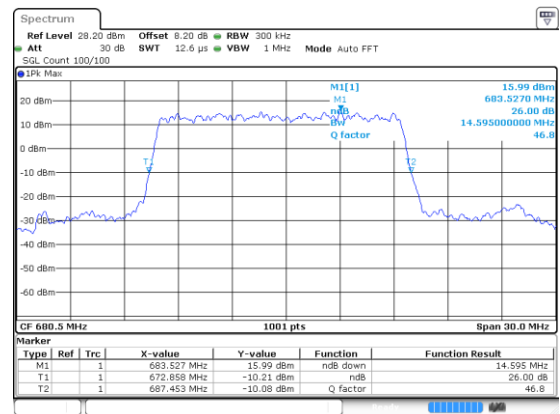
Lowest Channel / BPSK



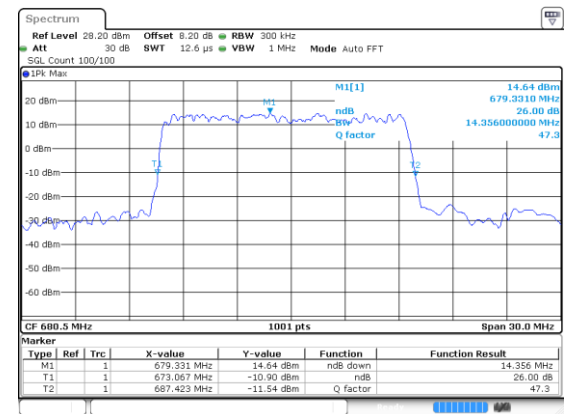
Lowest Channel / QPSK



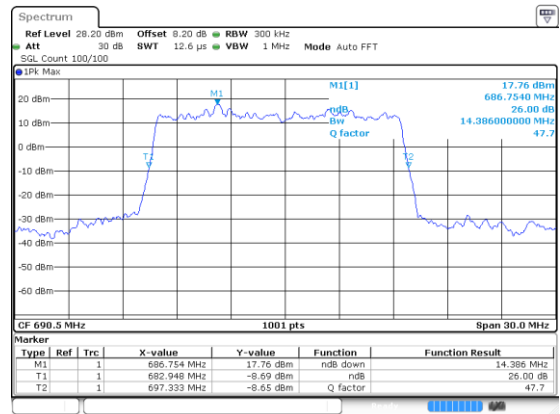
Middle Channel / BPSK



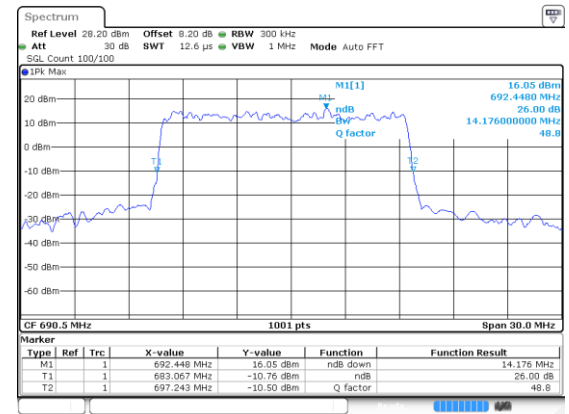
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

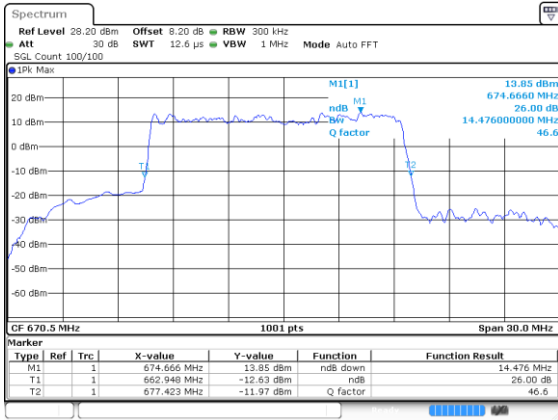




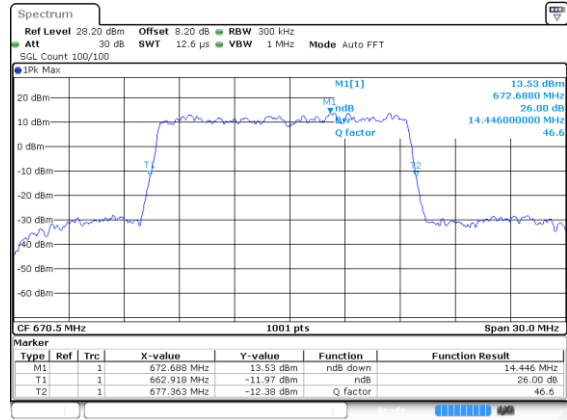
EN-DC_66A_n71A

Combination LTE 10MHz + NR 15MHz

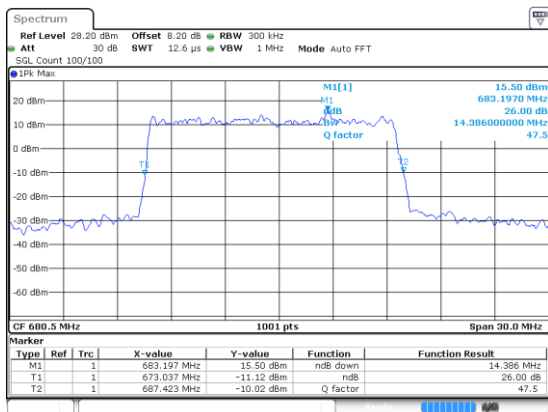
Lowest Channel / 16QAM



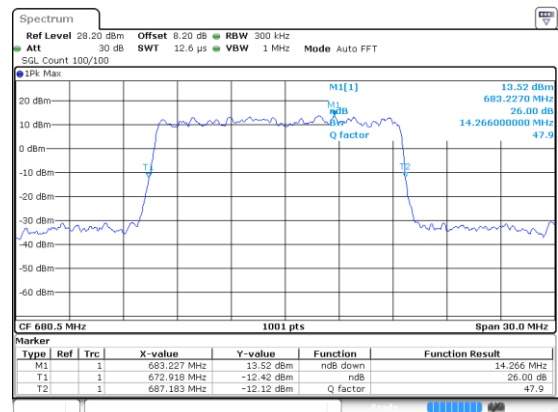
Lowest Channel / 64QAM



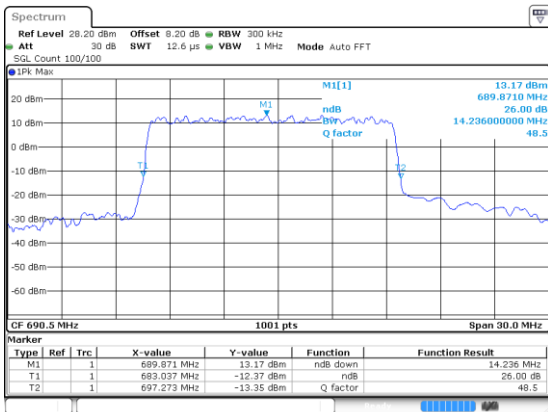
Middle Channel / 16QAM



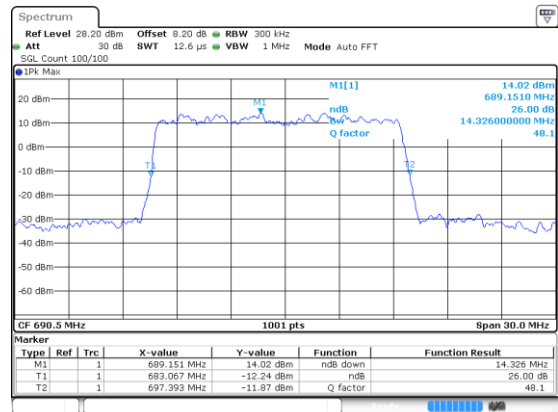
Middle Channel / 64QAM

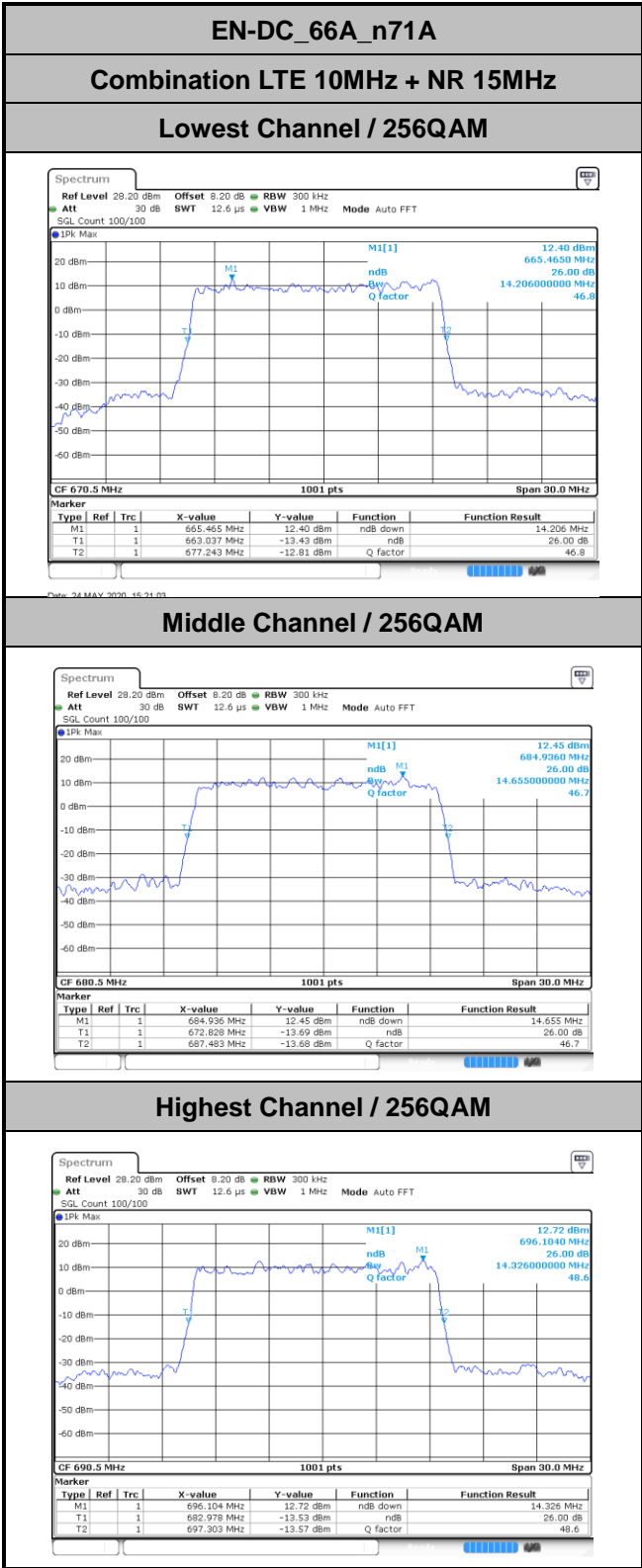


Highest Channel / 16QAM



Highest Channel / 64QAM



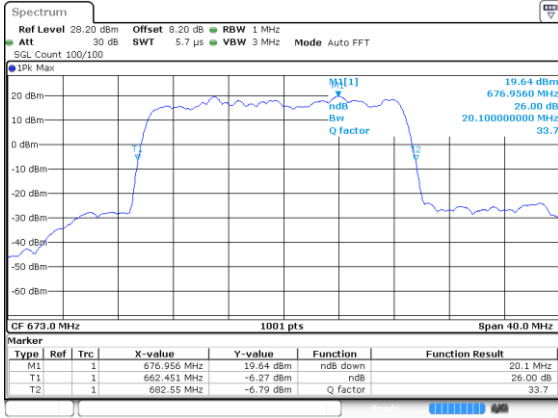




EN-DC_66A_n71A

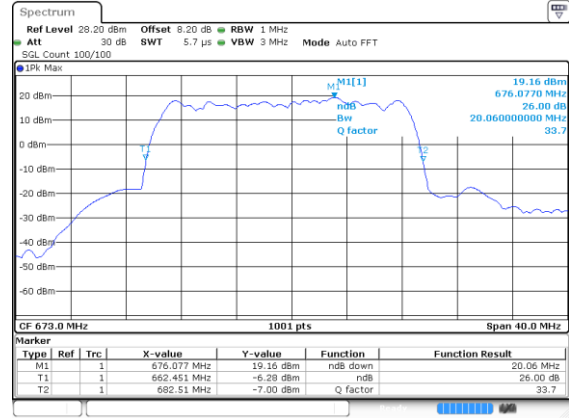
Combination LTE 10MHz + NR 20MHz

Lowest Channel / BPSK



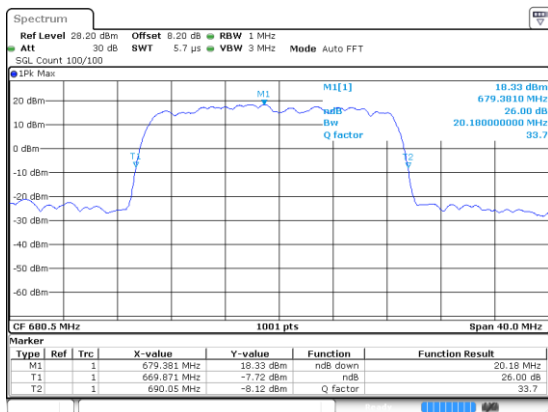
Date: 24 MAY 2020 16:41:27

Lowest Channel / QPSK



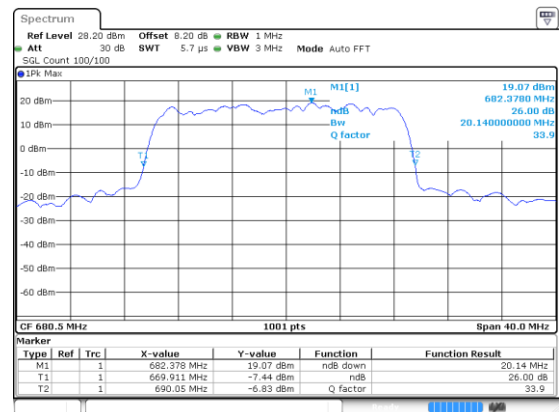
Date: 24 MAY 2020 16:45:48

Middle Channel / BPSK



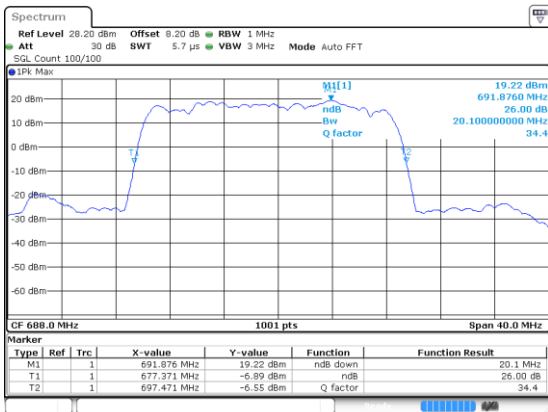
Date: 24 MAY 2020 16:41:27

Middle Channel / QPSK



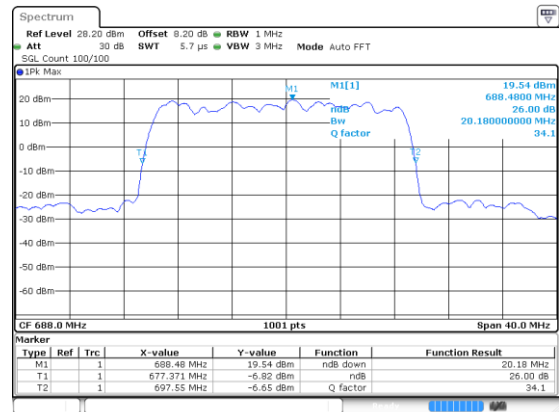
Date: 24 MAY 2020 16:45:48

Highest Channel / BPSK



Date: 24 MAY 2020 16:41:27

Highest Channel / QPSK



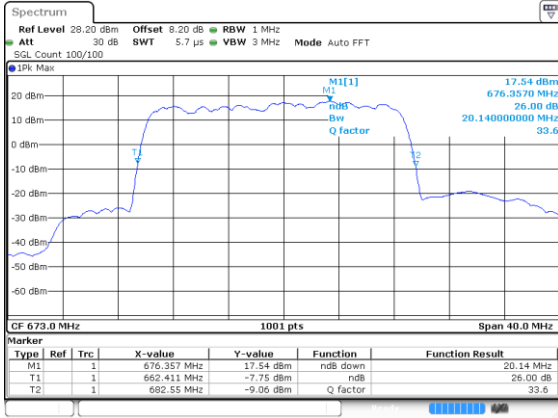
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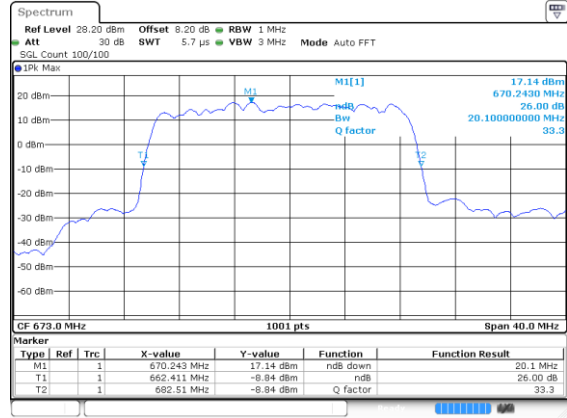
EN-DC_66A_n71A

Combination LTE 10MHz + NR 20MHz

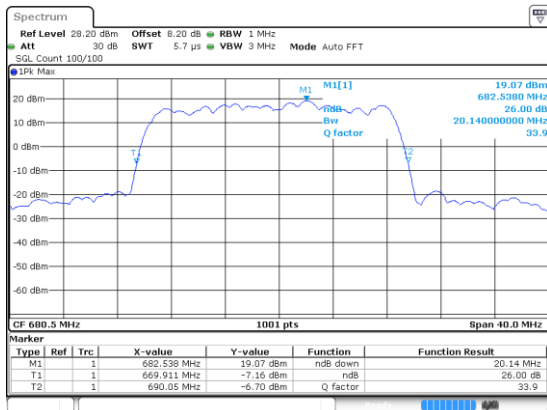
Lowest Channel / 16QAM



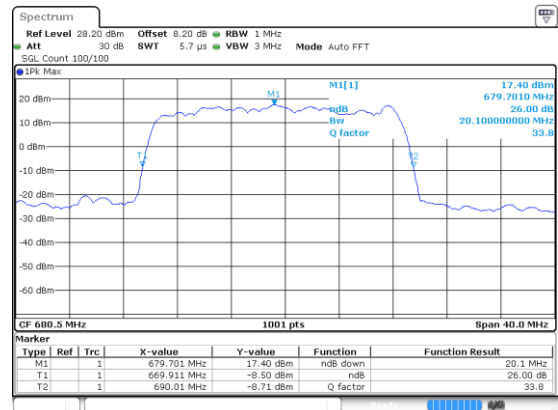
Lowest Channel / 64QAM



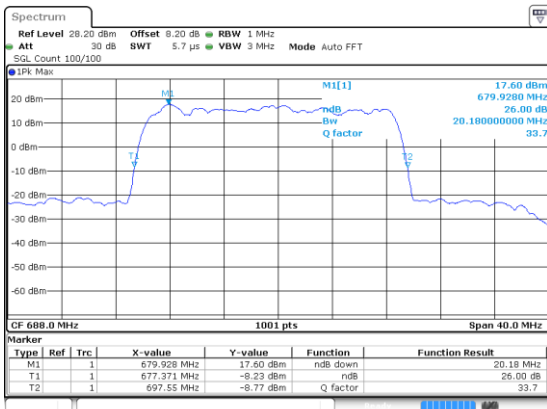
Middle Channel / 16QAM



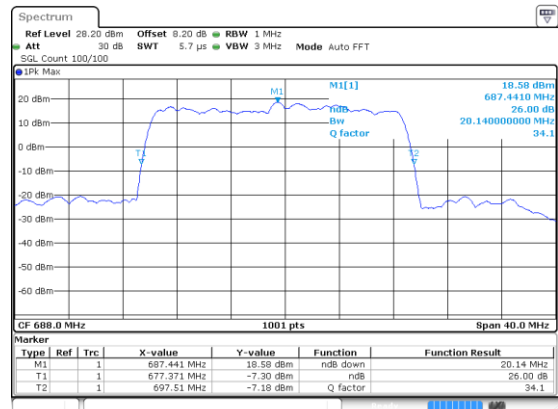
Middle Channel / 64QAM

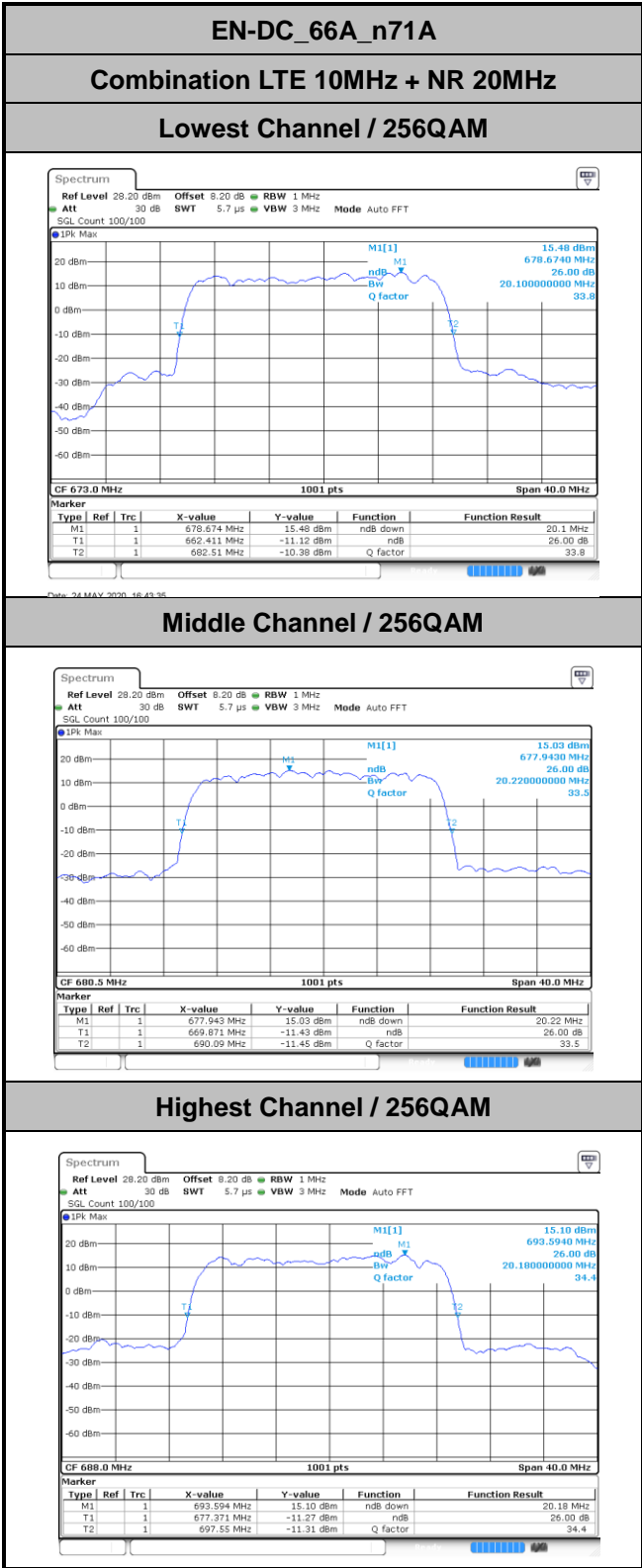


Highest Channel / 16QAM



Highest Channel / 64QAM







Occupied Bandwidth

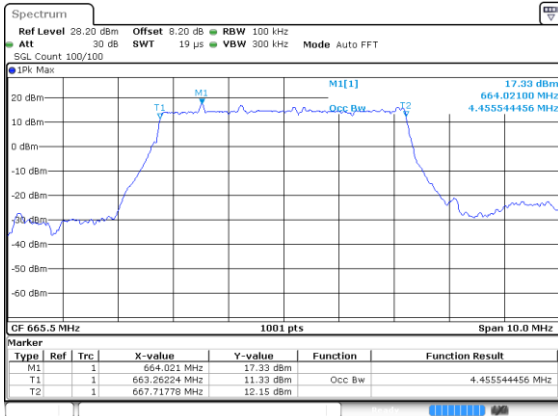
Mode	N71 : OB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.49	4.48	9.07	9.01	13.45	13.54	18.38	18.22
Middle CH	4.47	4.48	9.01	9.01	13.45	13.48	18.22	18.30
Highest CH	4.47	4.48	9.30	9.03	13.48	13.51	18.46	18.30
Mode	N71 : OB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	4.50	4.47	9.03	9.03	13.45	13.48	18.26	18.30
Middle CH	4.47	4.49	9.01	9.03	13.42	13.45	18.14	18.38
Highest CH	4.46	4.47	9.11	9.07	13.48	13.45	18.54	18.38
Mode	N71 : OB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	BPSK		BPSK		BPSK		BPSK	
Lowest CH	4.45		9.01		13.48		18.30	
Middle CH	4.48		9.07		13.45		18.26	
Highest CH	4.48		9.10		13.42		18.26	



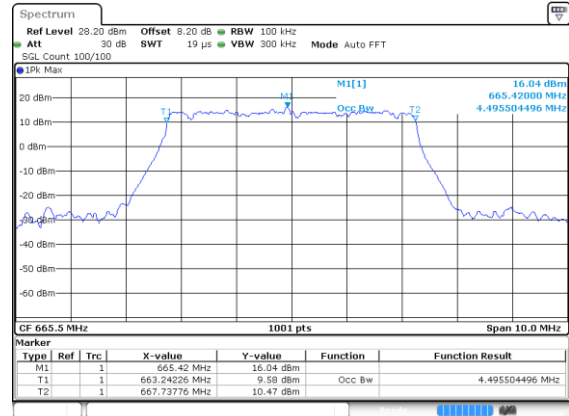
EN-DC_66A_n71A

Combination LTE 10MHz + NR 5MHz

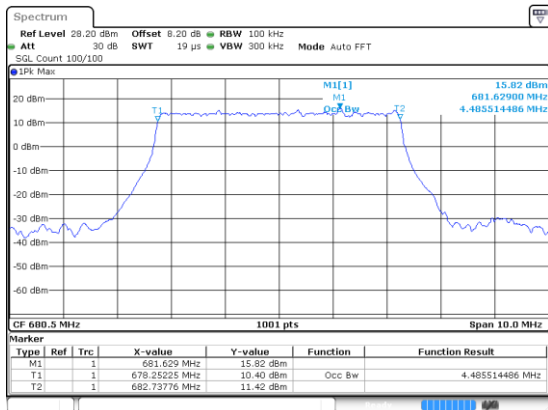
Lowest Channel / BPSK



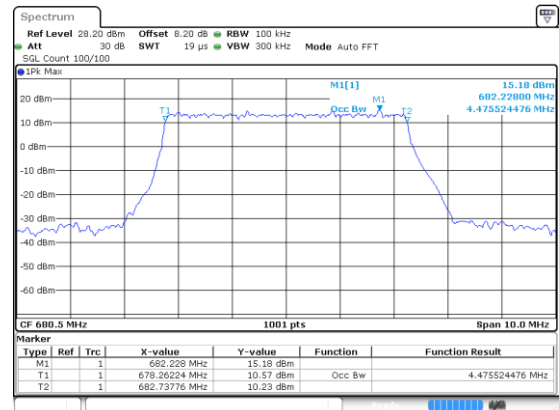
Lowest Channel / QPSK



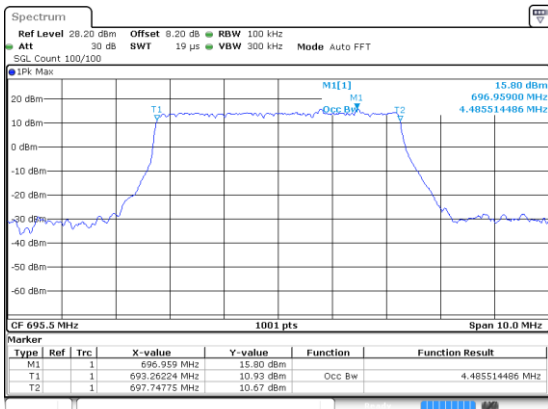
Middle Channel / BPSK



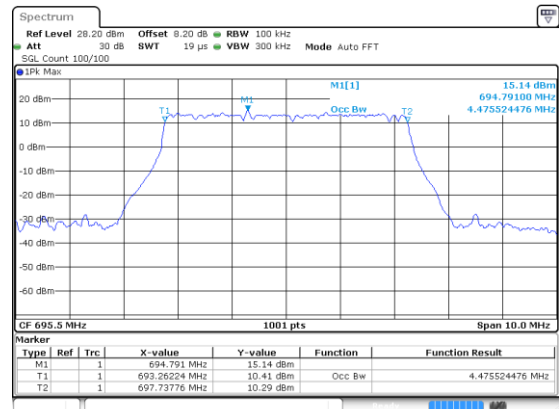
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

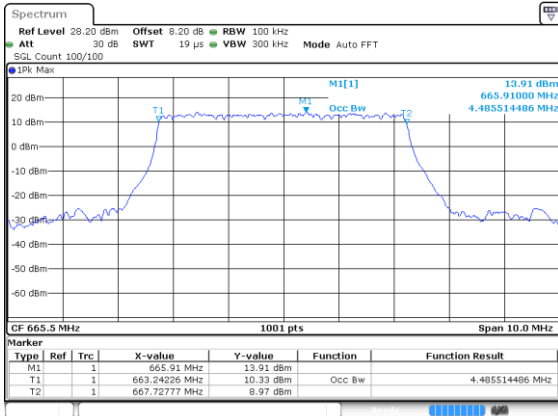




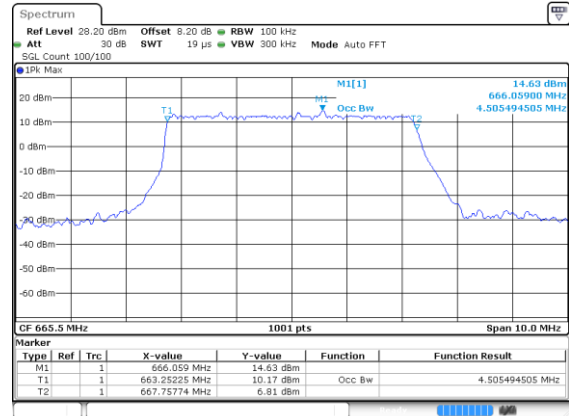
EN-DC_66A_n71A

Combination LTE 10MHz + NR 5MHz

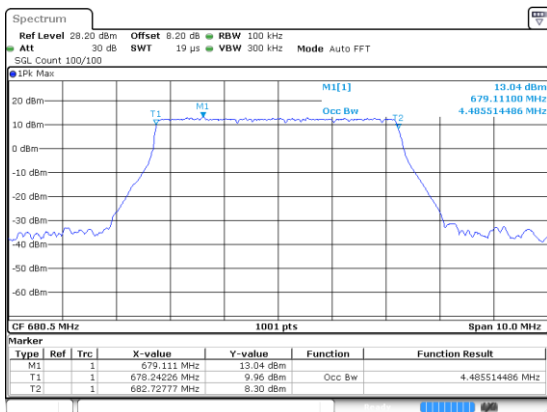
Lowest Channel / 16QAM



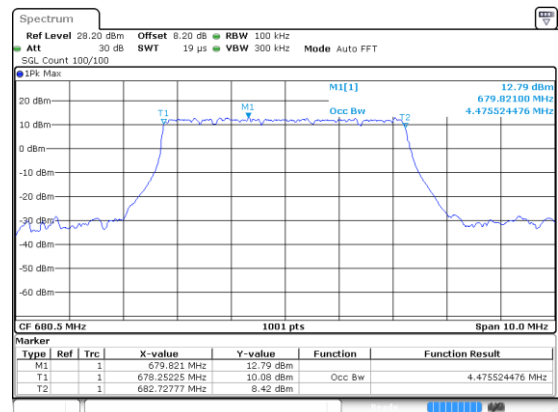
Lowest Channel / 64QAM



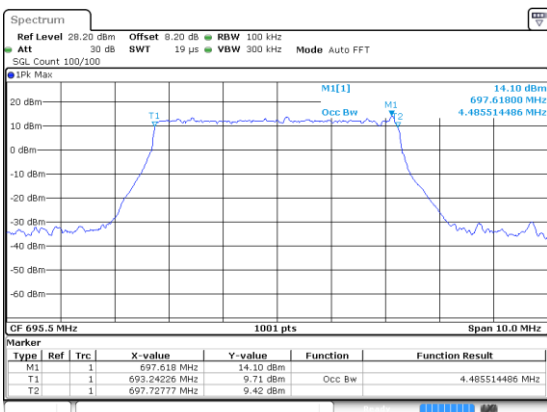
Middle Channel / 16QAM



Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

