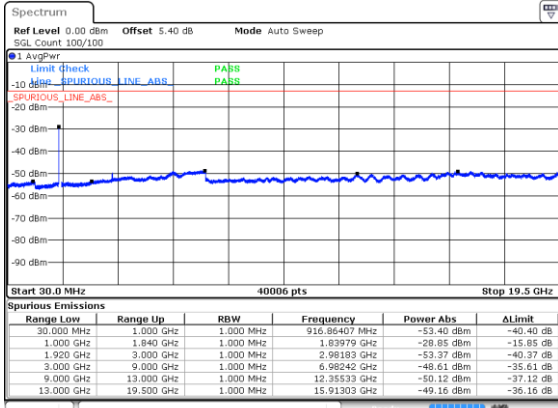


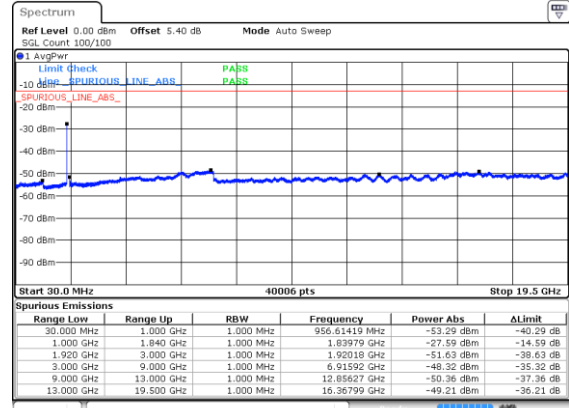


EN-DC_66A_n25A / LTE 10MHz + NR 15MHz

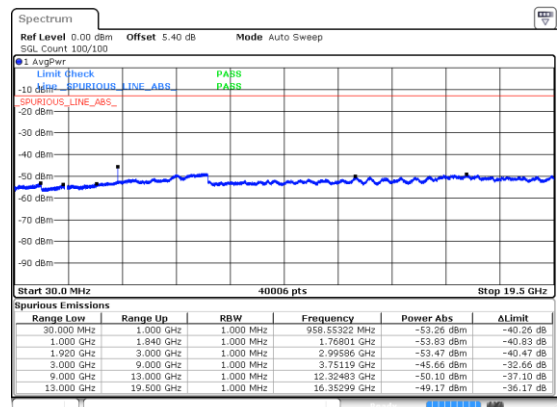
Lowest Channel / BPSK



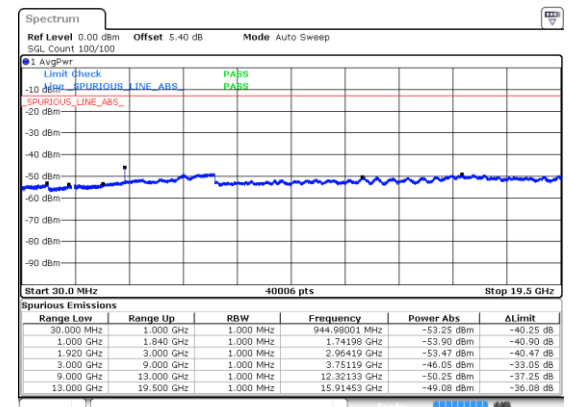
Lowest Channel / QPSK



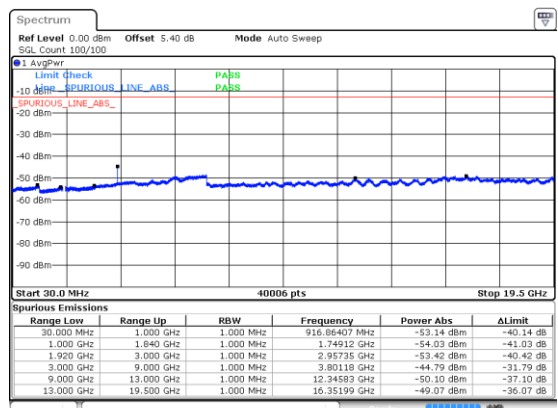
Middle Channel / BPSK



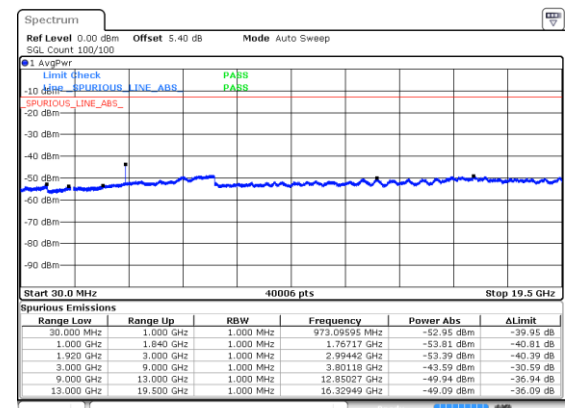
Middle Channel / QPSK



Highest Channel / BPSK



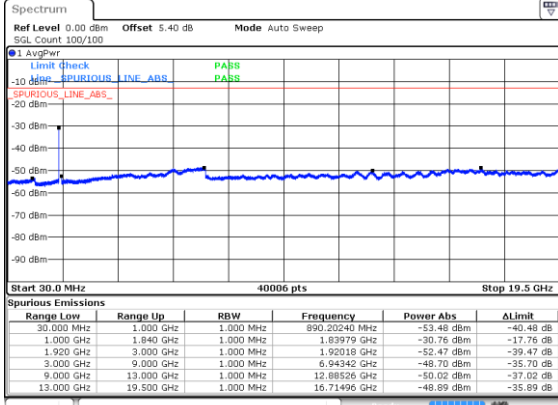
Highest Channel / QPSK



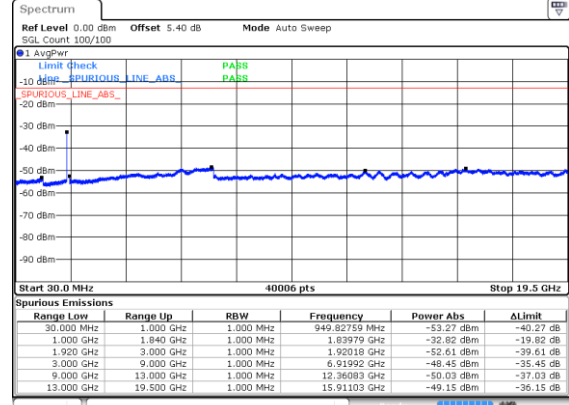


EN-DC_66A_n25A / LTE 10MHz + NR 15MHz

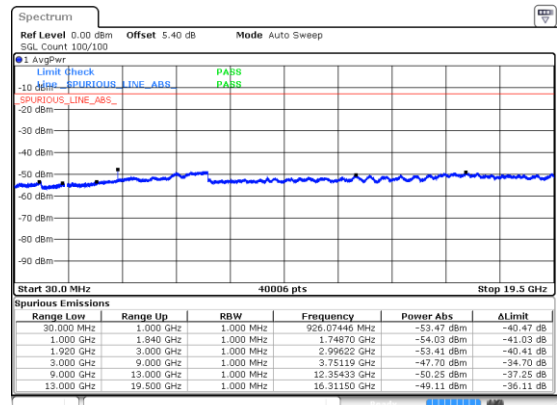
Lowest Channel / 16QAM



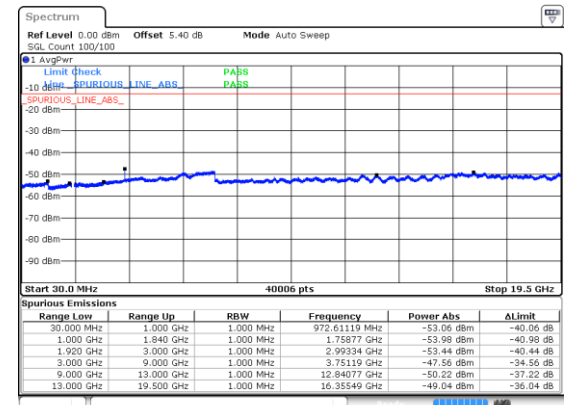
Lowest Channel / 64QAM



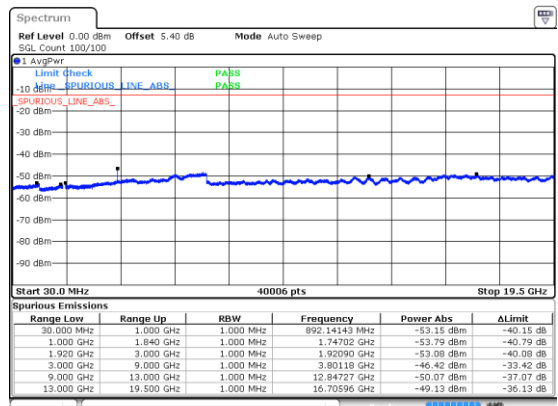
Middle Channel / 16QAM



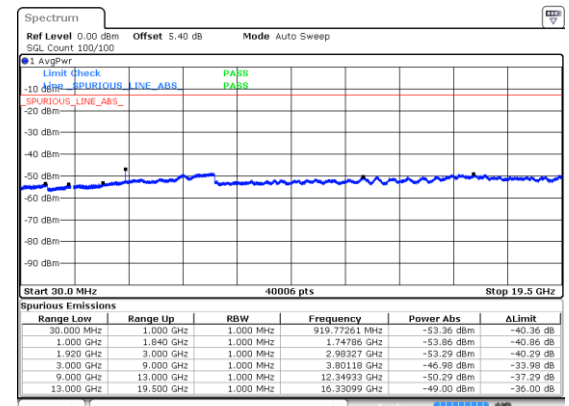
Middle Channel / 64QAM



Highest Channel / 16QAM



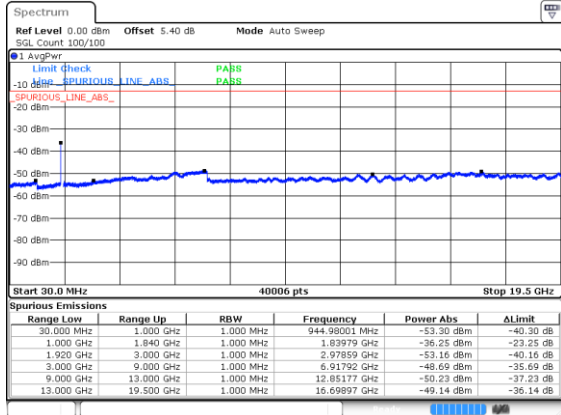
Highest Channel / 64QAM



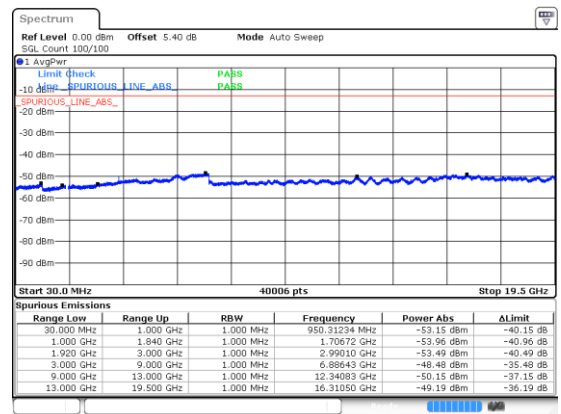


EN-DC_66A_n25A / LTE 10MHz + NR 15MHz

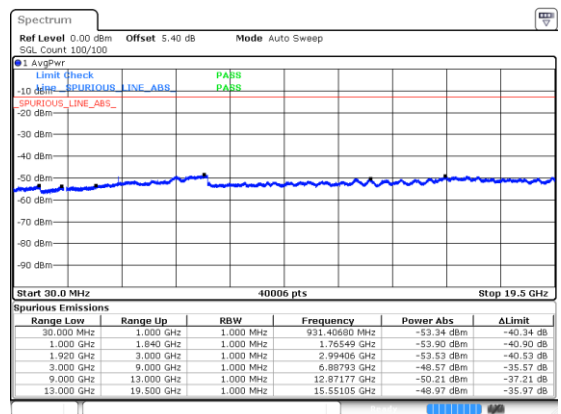
Lowest Channel / 256QAM



Middle Channel / 256QAM



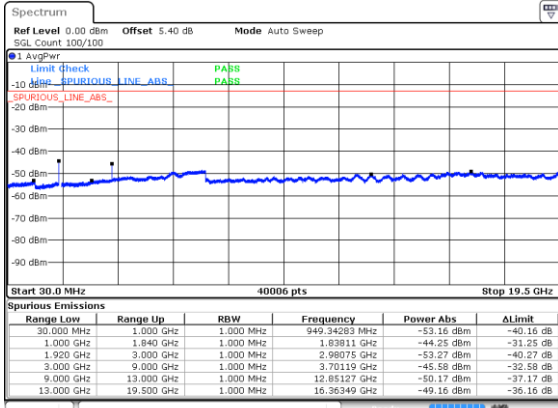
Highest Channel / 256QAM



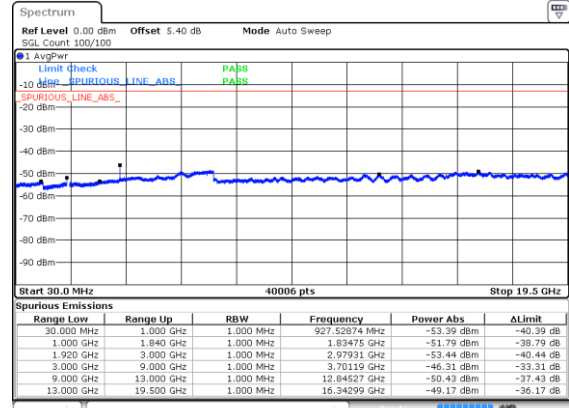


EN-DC_66A_n25A / LTE 10MHz + NR 20MHz

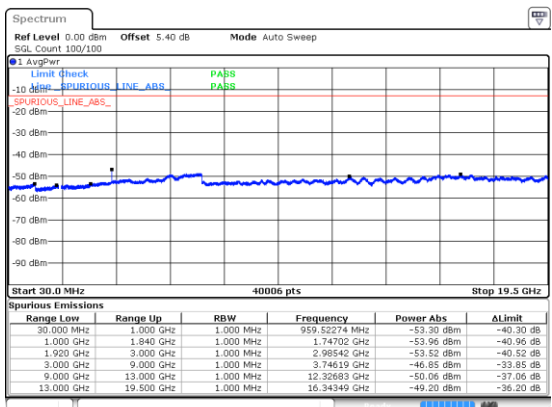
Lowest Channel / BPSK



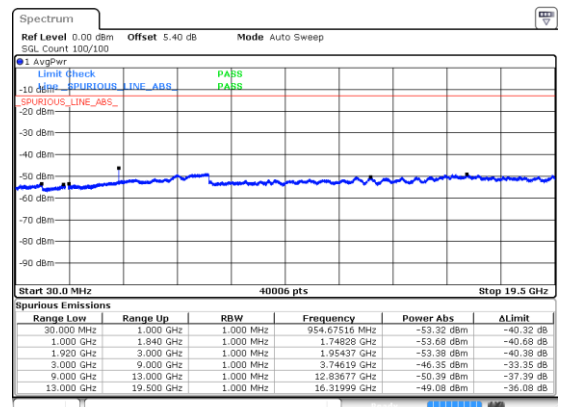
Lowest Channel / QPSK



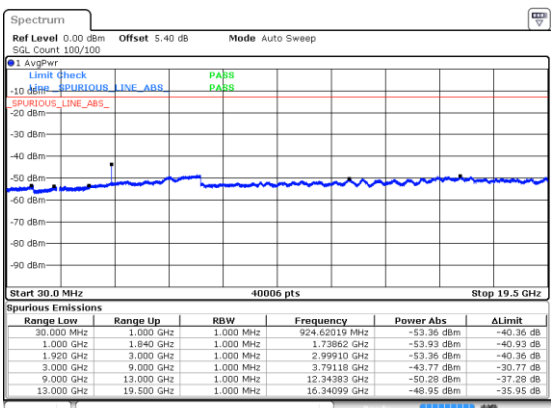
Middle Channel / BPSK



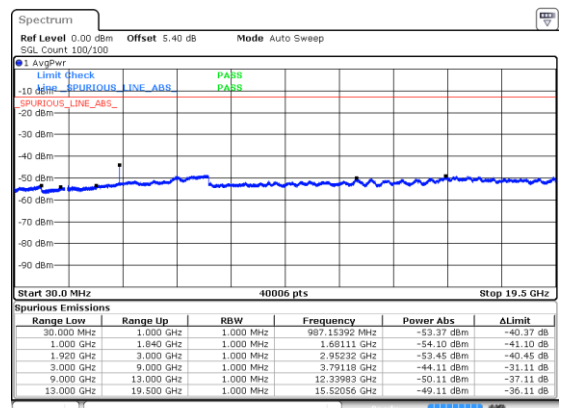
Middle Channel / QPSK



Highest Channel / BPSK



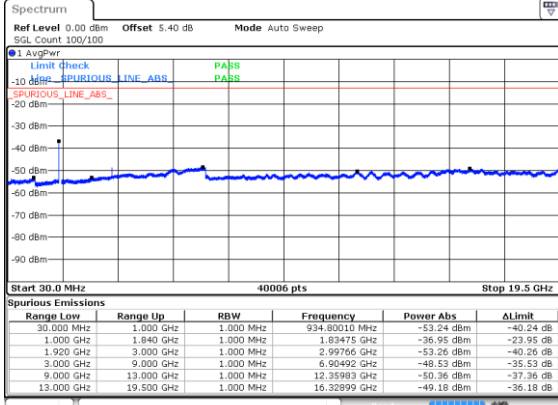
Highest Channel / QPSK



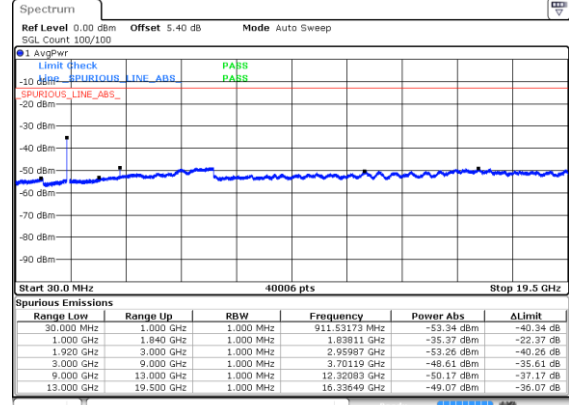


EN-DC_66A_n25A / LTE 10MHz + NR 20MHz

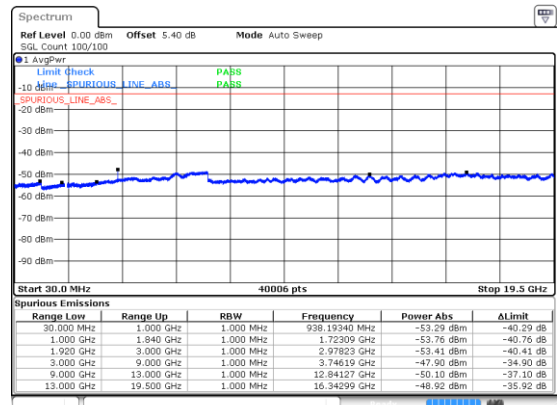
Lowest Channel / 16QAM



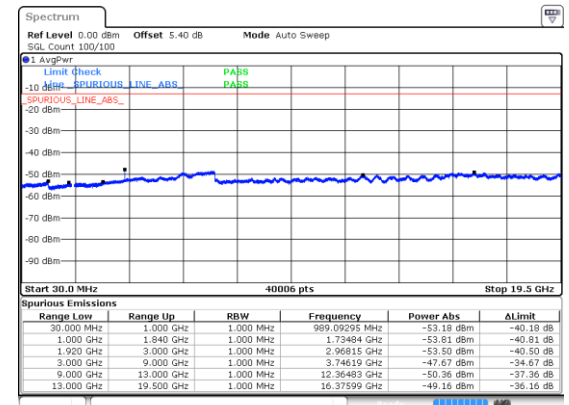
Lowest Channel / 64QAM



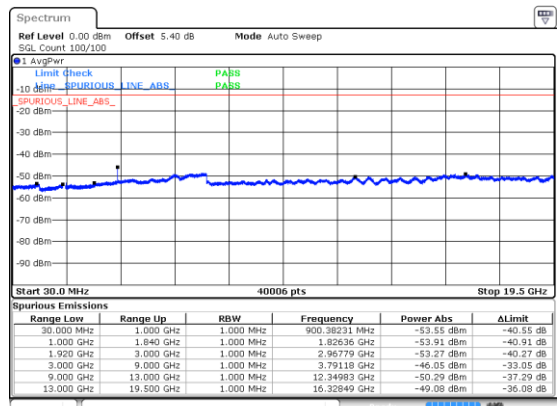
Middle Channel / 16QAM



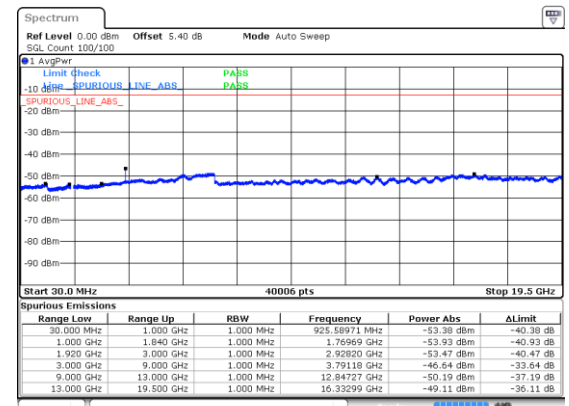
Middle Channel / 64QAM

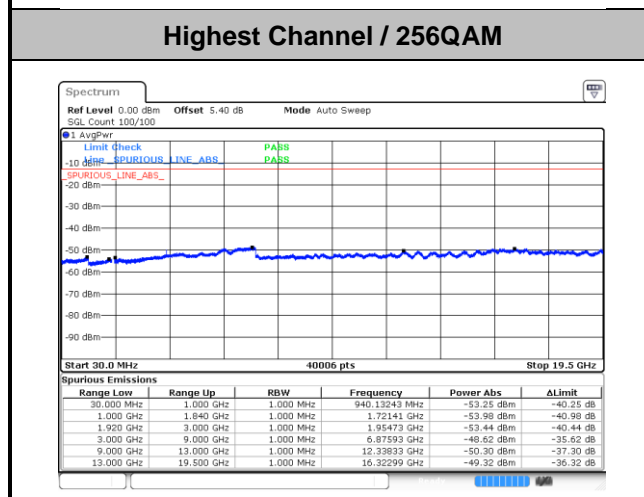
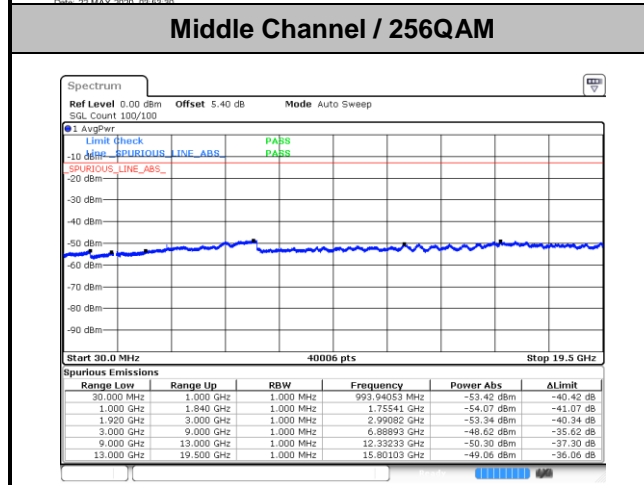
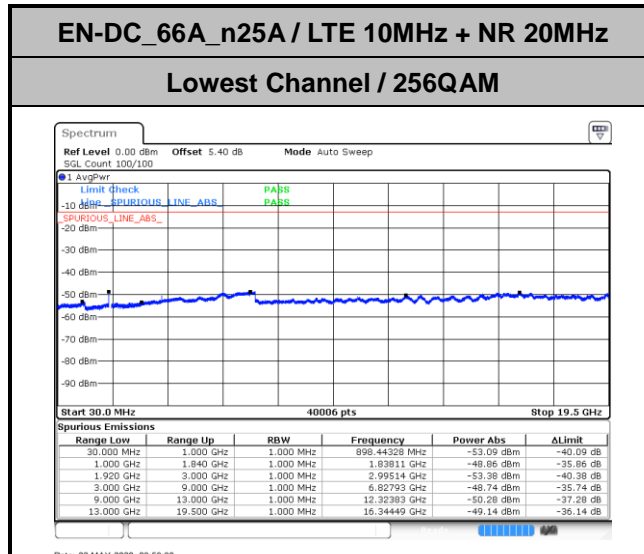


Highest Channel / 16QAM



Highest Channel / 64QAM







Frequency Stability

Test Conditions		EN-DC_66A_n25A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	LTE 10MHz + NR 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0012	
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 n41

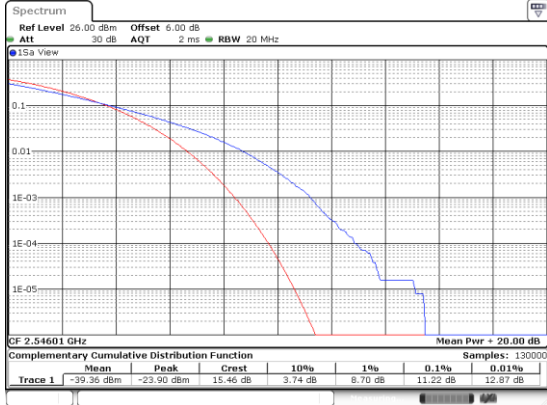
Peak-to-Average Ratio

Mode	N 41 / 100MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	10.29	7.54	8.17	8.55	PASS
Middle CH	10.99	7.54	9.74	7.88	
Highest CH	12.67	7.22	8.49	8.38	
Mode	N41 / 100MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	9.97	8.58	10.61	7.51	PASS
Middle CH	11.74	8.14	9.71	9.25	
Highest CH	12.87	8.49	8.46	7.57	
Mode	N41 / 100MHz				
Mod.	QPSK				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	11.22	6.43	-	-	PASS
Middle CH	10.14	6.35	-	-	
Highest CH	8.35	6.49	-	-	

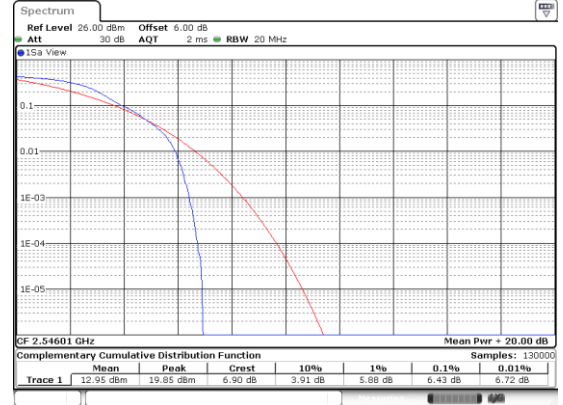


EN-DC_25A_n41A / LTE 10MHz + NR 100MHz / BPSK

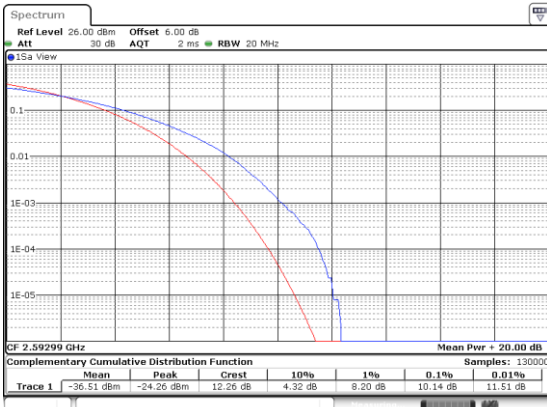
Lowest Channel / 1RB0



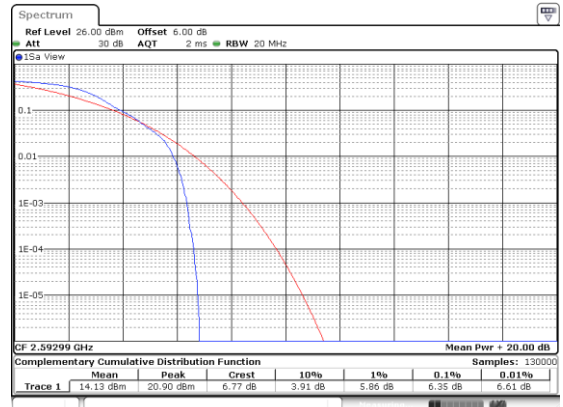
Lowest Channel / 270RB0



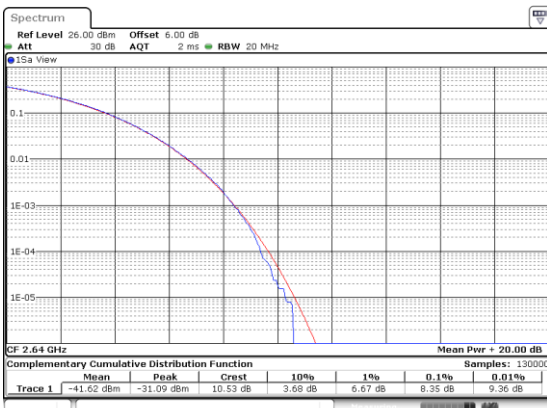
Middle Channel / 1RB0



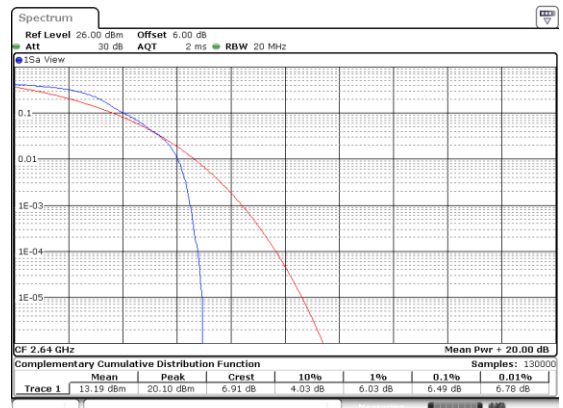
Middle Channel / 270RB0



Highest Channel / 1RB0



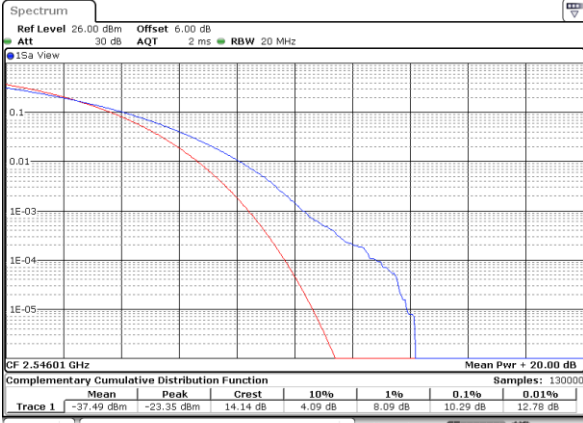
Highest Channel / 270RB0





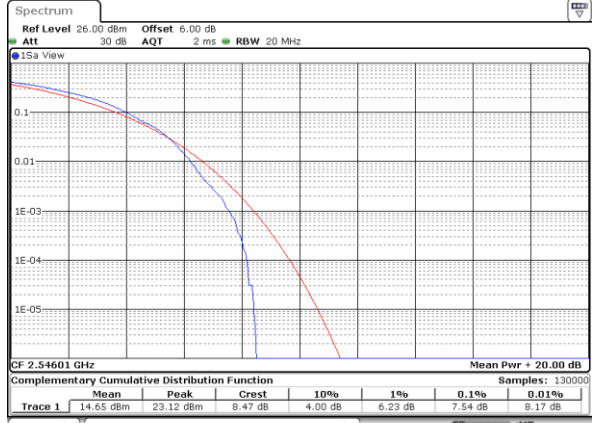
EN-DC_25A_n41A / LTE 10MHz + NR 100MHz / QPSK

Lowest Channel / 1RB0



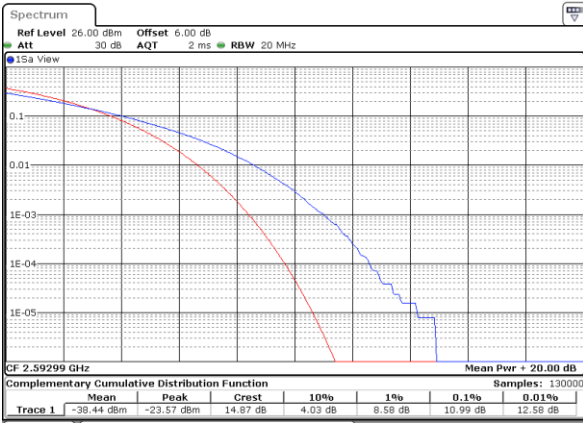
Date: 25 MAY 2020 05:17:35

Lowest Channel / 270RB0



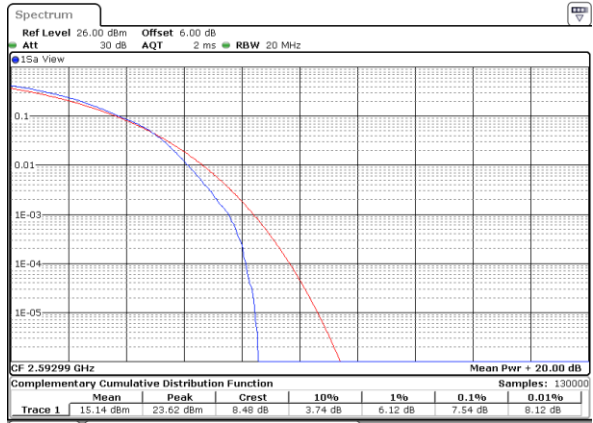
Date: 25 MAY 2020 05:12:56

Middle Channel / 1RB0



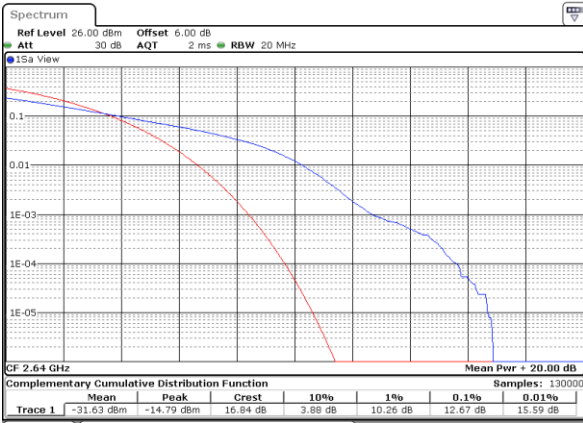
Date: 25 MAY 2020 05:57:18

Middle Channel / 270RB0



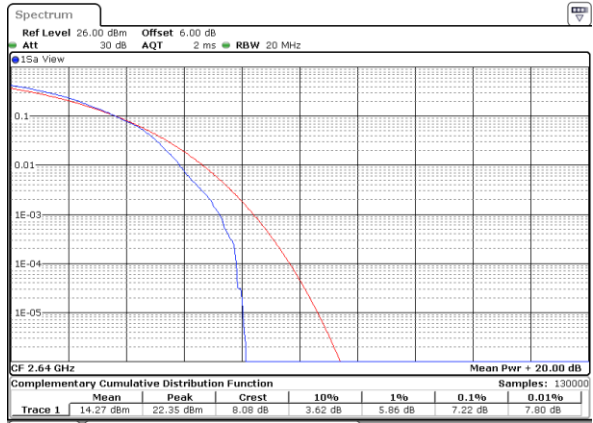
Date: 25 MAY 2020 05:54:16

Highest Channel / 1RB0



Date: 25 MAY 2020 06:02:23

Highest Channel / 270RB0

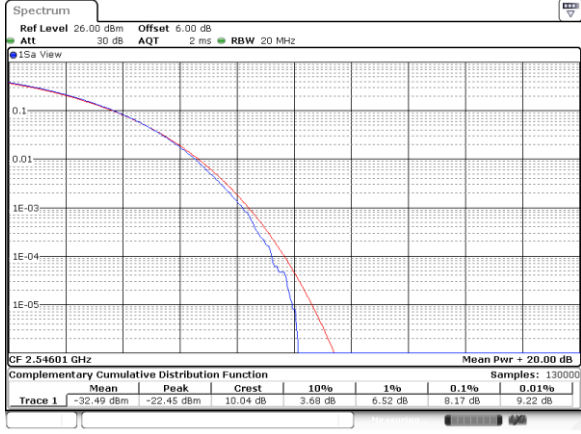


Date: 25 MAY 2020 06:08:45



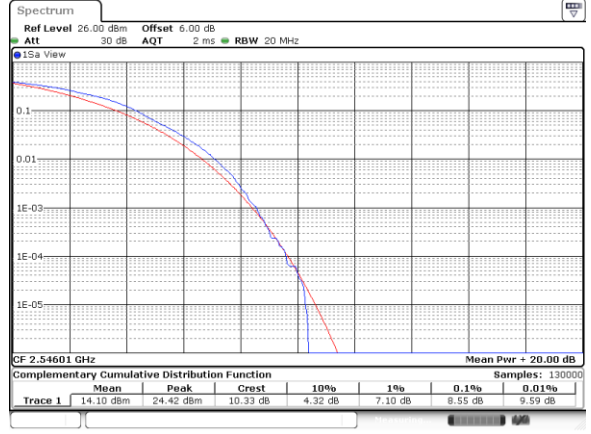
EN-DC_25A_n41A / LTE 10MHz + NR 100MHz / 16QAM

Lowest Channel / 1RB0



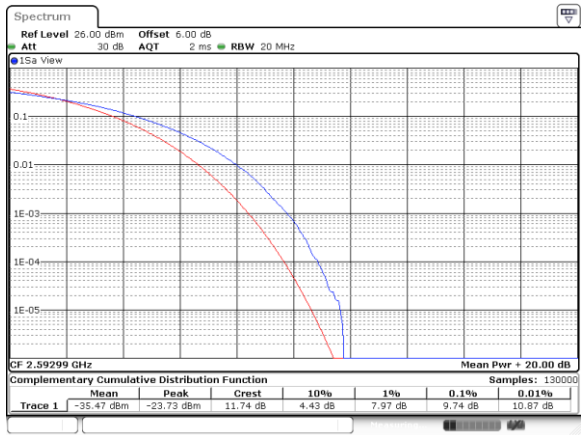
Date: 25 MAY 2020 05:17:49

Lowest Channel / 270RB0



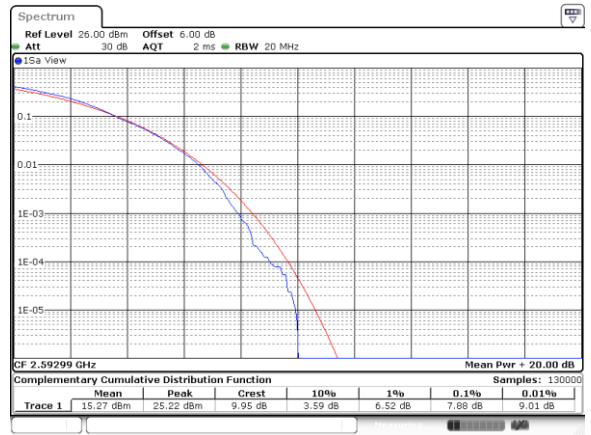
Date: 25 MAY 2020 05:14:30

Middle Channel / 1RB0



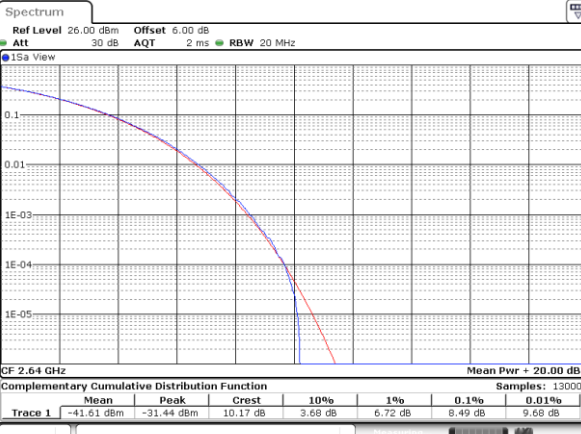
Date: 25 MAY 2020 05:57:35

Middle Channel / 270RB0



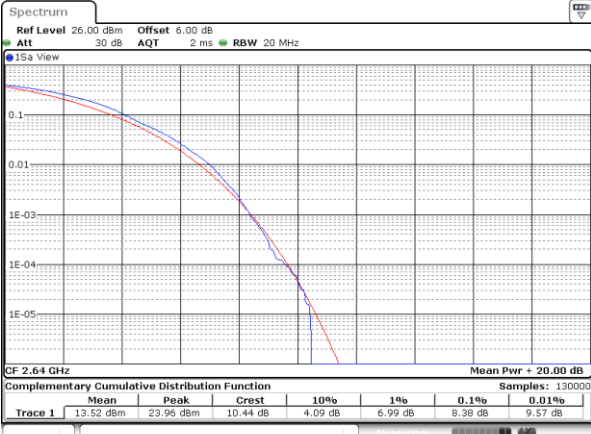
Date: 25 MAY 2020 05:53:00

Highest Channel / 1RB0



Date: 25 MAY 2020 06:03:29

Highest Channel / 270RB0

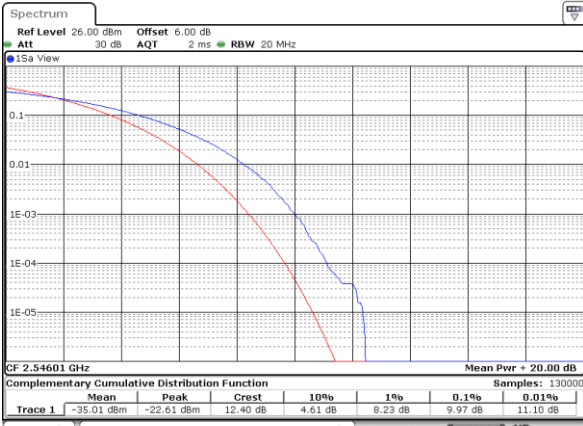


Date: 25 MAY 2020 06:10:05



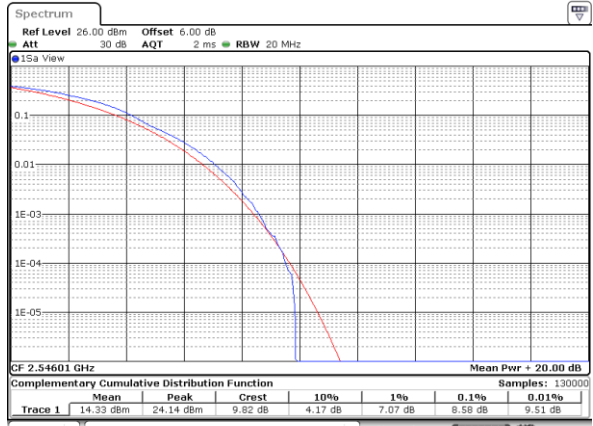
EN-DC_25A_n41A / LTE 10MHz + NR 100MHz / 64QAM

Lowest Channel / 1RB0



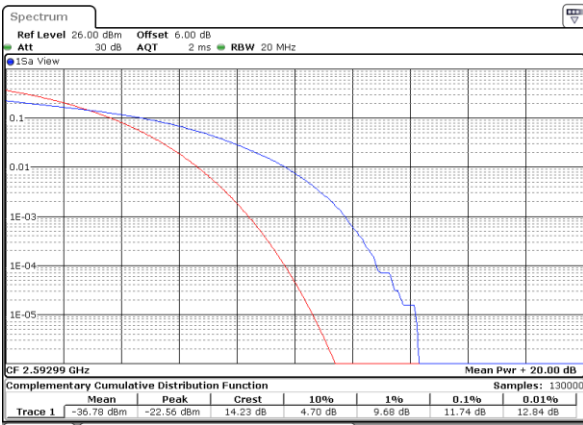
Date: 25 MAY 2020 05:18:16

Lowest Channel / 270RB0



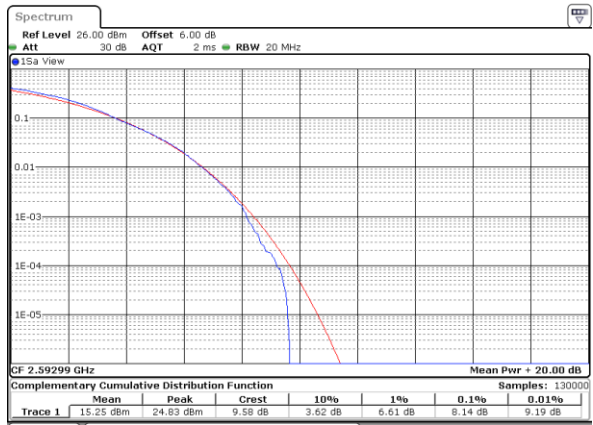
Date: 25 MAY 2020 05:15:16

Middle Channel / 1RB0



Date: 25 MAY 2020 05:57:50

Middle Channel / 270RB0



Date: 25 MAY 2020 05:53:45

Highest Channel / 1RB0



Date: 25 MAY 2020 06:04:38

Highest Channel / 270RB0

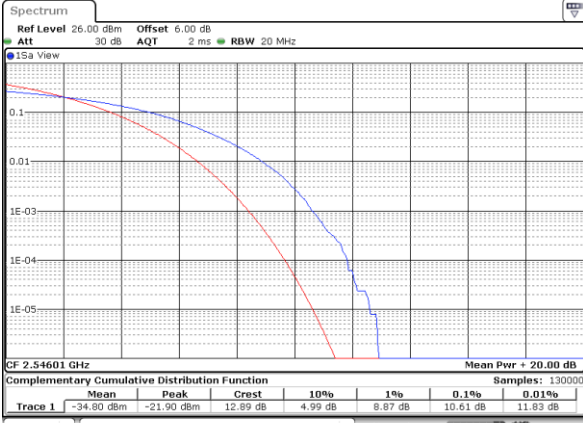


Date: 25 MAY 2020 06:10:44



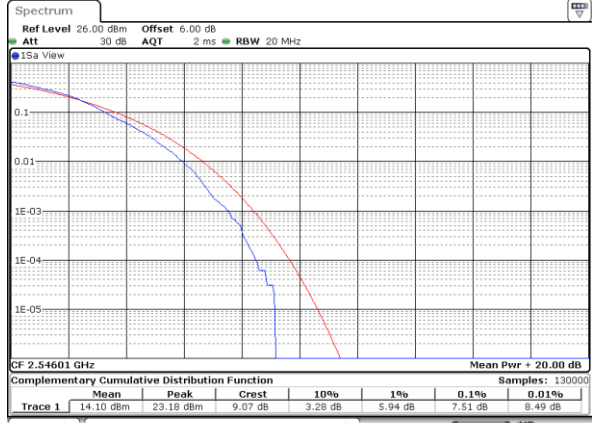
EN-DC_25A_n41A / LTE 10MHz + NR 100MHz / 256QAM

Lowest Channel / 1RB0



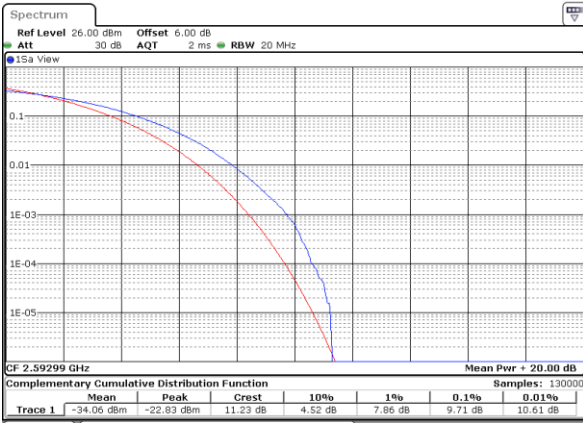
Date: 25 MAY 2020 05:17:13

Lowest Channel / 270RB0



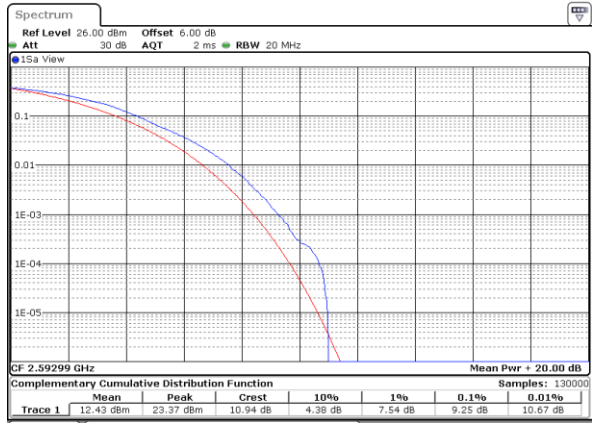
Date: 25 MAY 2020 05:11:52

Middle Channel / 1RB0



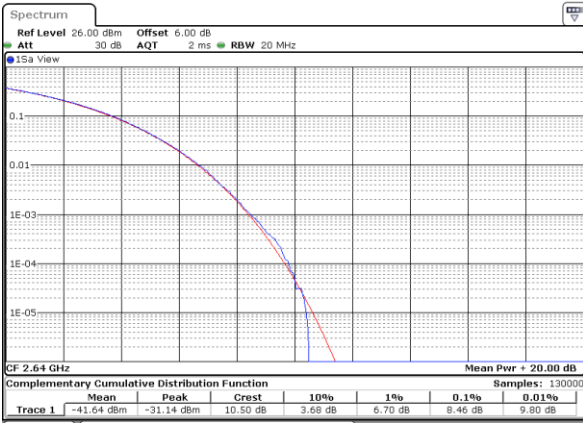
Date: 25 MAY 2020 05:56:41

Middle Channel / 270RB0



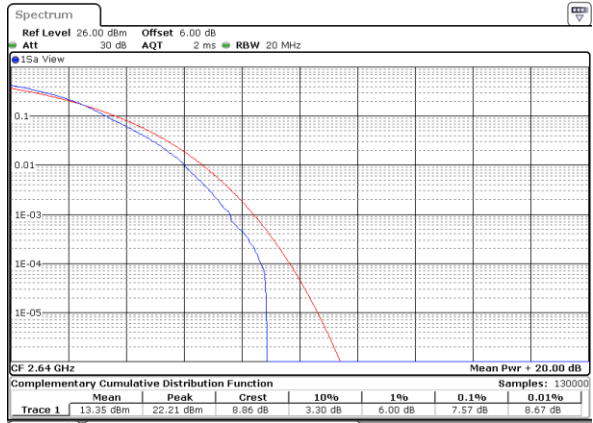
Date: 25 MAY 2020 05:50:53

Highest Channel / 1RB0



Date: 25 MAY 2020 06:01:32

Highest Channel / 270RB0



Date: 25 MAY 2020 06:06:22



26dB Bandwidth

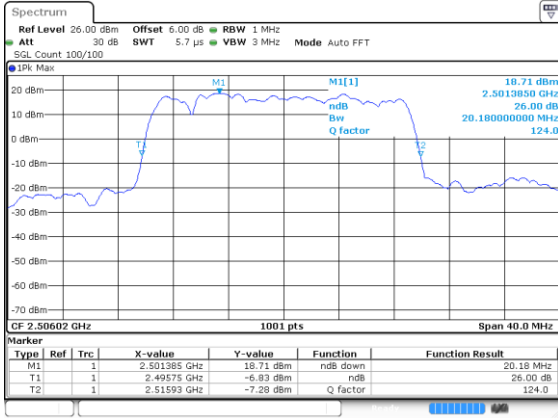
Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	20.18	20.18	38.28	38.12	48.25	48.75	62.7	63.18	82.16	82	136.84	135.04
Middle CH	20.5	20.02	38.52	38.04	48.15	48.15	62.58	62.22	81.84	82.16	90.45	90.45
Highest CH	20.22	20.18	38.28	38.12	48.25	48.05	62.7	62.82	82.16	81.84	90.81	90.63
Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	19.86	20.22	38.04	38.04	48.15	48.15	62.58	62.82	82.16	82	90.45	93.87
Middle CH	20.22	20.22	38.28	38.20	48.05	48.15	62.58	62.1	82	81.68	90.63	90.45
Highest CH	20.14	20.18	38.12	38.12	47.95	48.15	62.58	62.7	82	82.16	90.63	90.63
Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	BPSK		BPSK		BPSK		BPSK		BPSK		BPSK	
Lowest CH	20.18		38.04		48.35		62.94		82		91.53	
Middle CH	20.22		38.20		48.25		62.82		81.68		90.63	
Highest CH	20.34		38.12		48.35		62.82		82		90.81	
Mode	N 41 : 26dB BW(MHz)											
BW	100MHz											
Mod.	BPSK	QPSK	16QAM	64QAM	256QAM							
Lowest CH	101.9	101.5	102.01	101.7	101.7							
Middle CH	101.5	101.3	101.1	101.5	101.5							
Highest CH	101.7	101.5	101.3	101.5	101.5							



EN-DC_25A_n41A

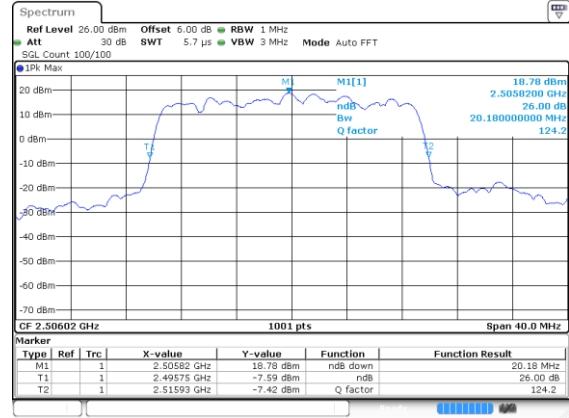
Combination LTE 10MHz + NR 20MHz

Lowest Channel / BPSK



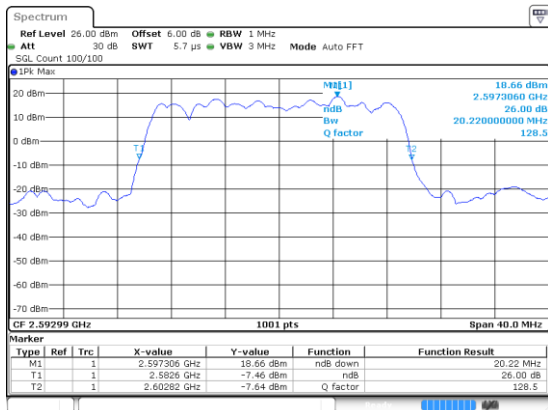
Date: 23 MAY 2020 06:43:31

Lowest Channel / QPSK



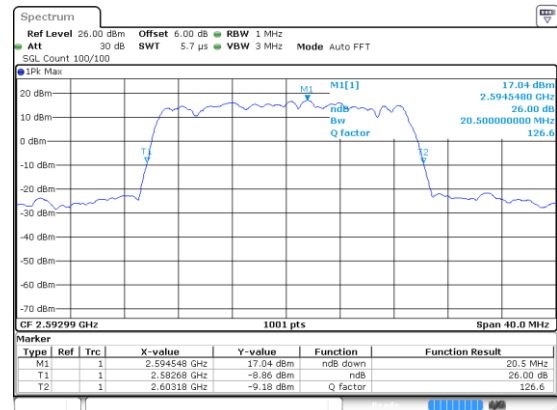
Date: 23 MAY 2020 06:45:02

Middle Channel / BPSK



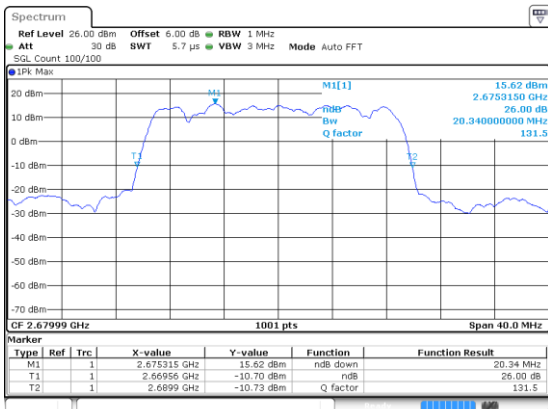
Date: 23 MAY 2020 06:46:52

Middle Channel / QPSK



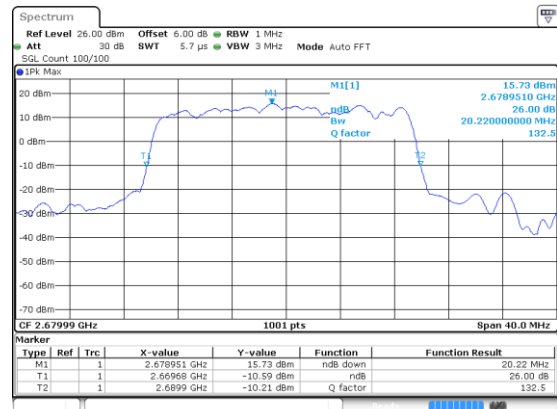
Date: 23 MAY 2020 06:48:02

Highest Channel / BPSK



Date: 23 MAY 2020 06:49:52

Highest Channel / QPSK



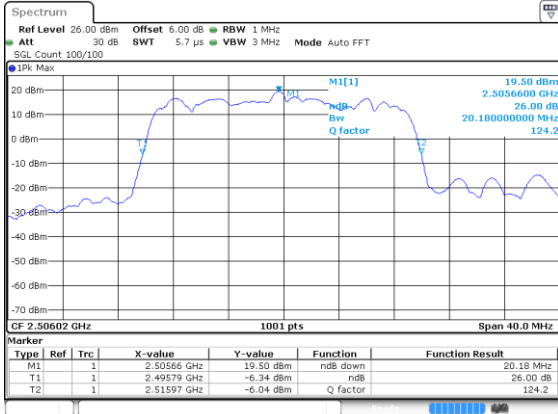
Date: 23 MAY 2020 06:51:02



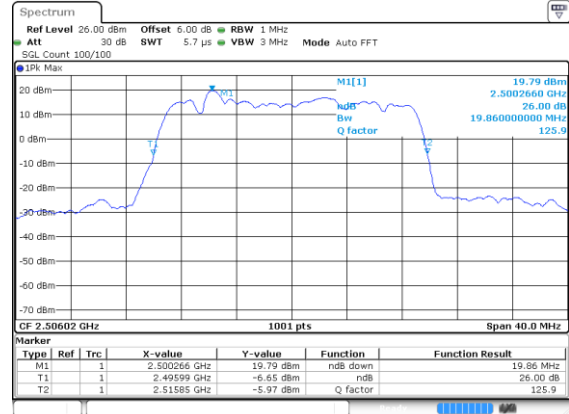
EN-DC_25A_n41A

Combination LTE 10MHz + NR 20MHz

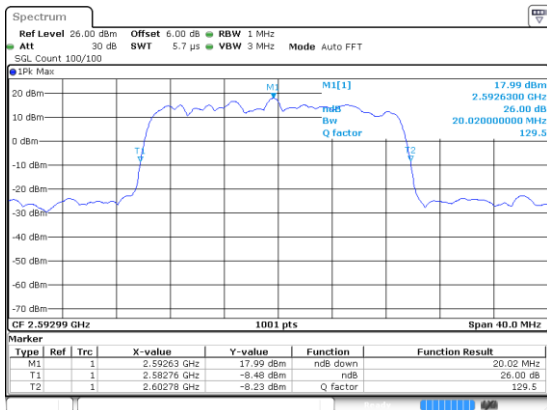
Lowest Channel / 16QAM



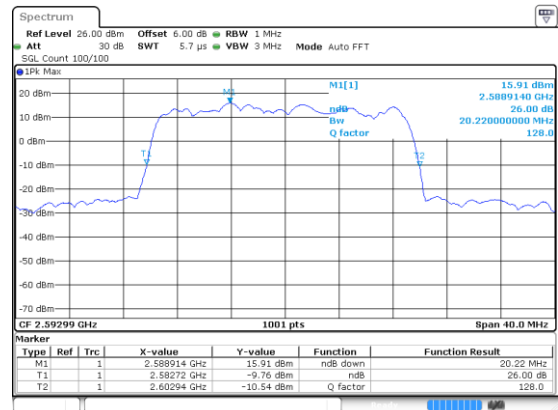
Lowest Channel / 64QAM



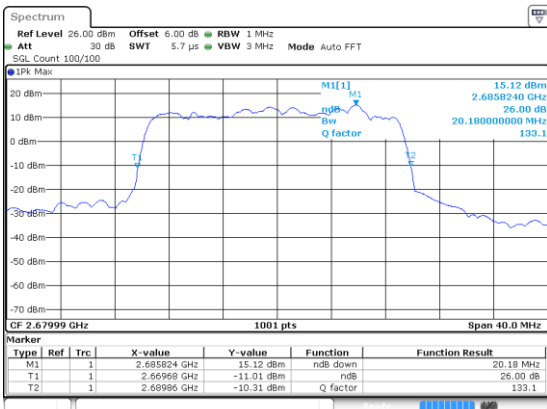
Middle Channel / 16QAM



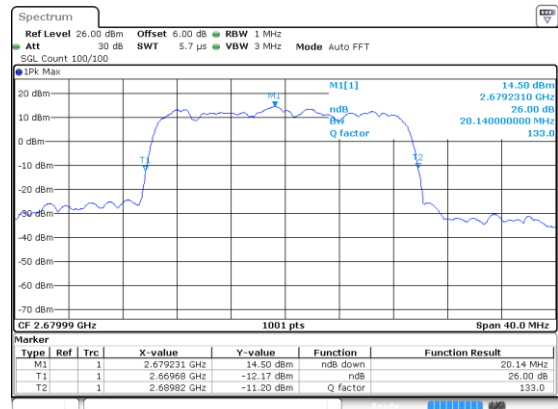
Middle Channel / 64QAM

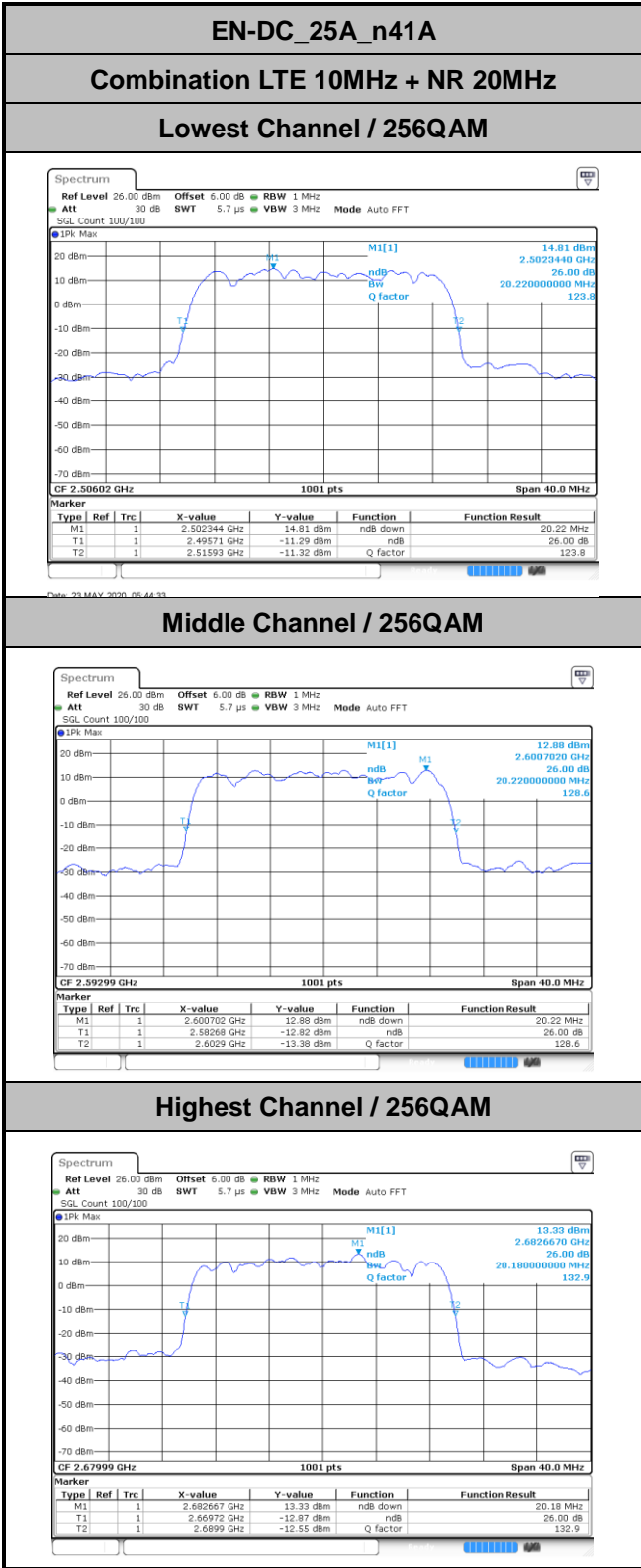


Highest Channel / 16QAM



Highest Channel / 64QAM



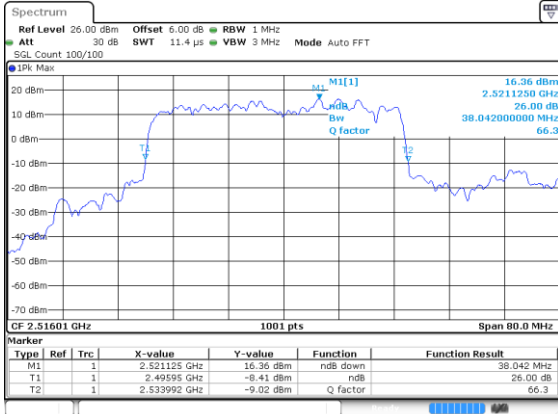




EN-DC_25A_n41A

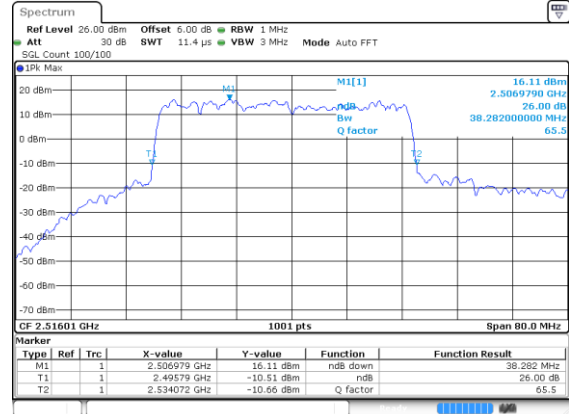
Combination LTE 10MHz + NR 40MHz

Lowest Channel / BPSK



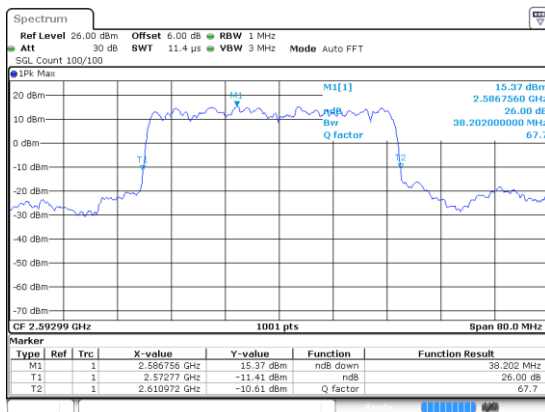
Date: 24 MAY 2020 04:38:13

Lowest Channel / QPSK



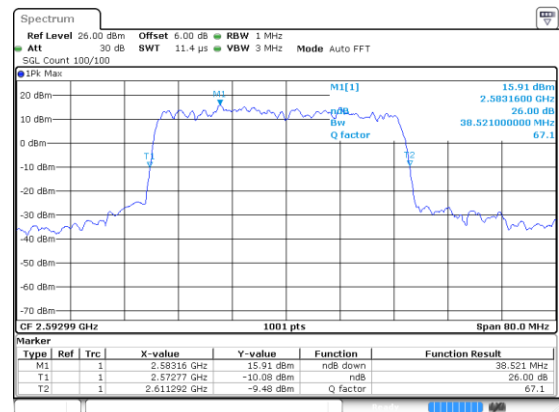
Date: 24 MAY 2020 04:43:26

Middle Channel / BPSK



Date: 24 MAY 2020 04:43:26

Middle Channel / QPSK



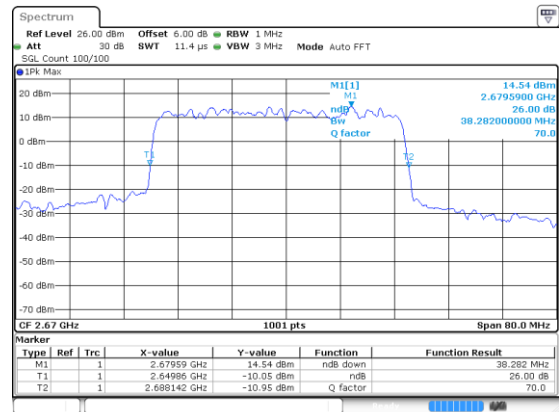
Date: 24 MAY 2020 04:43:26

Highest Channel / BPSK



Date: 24 MAY 2020 04:43:26

Highest Channel / QPSK



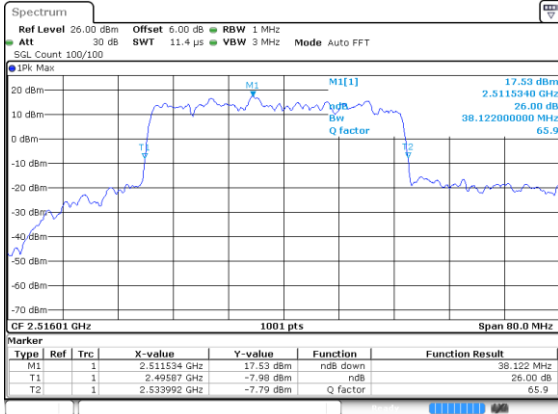
Date: 24 MAY 2020 04:43:26



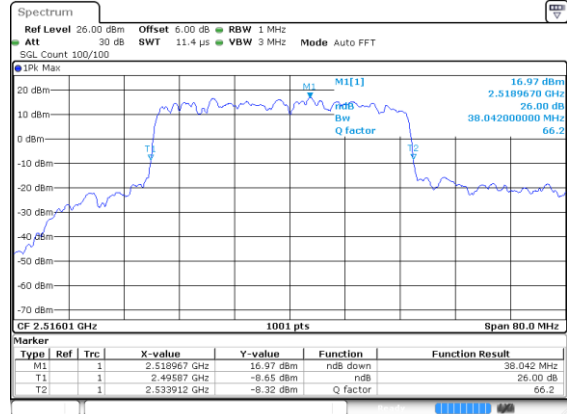
EN-DC_25A_n41A

Combination LTE 10MHz + NR 40MHz

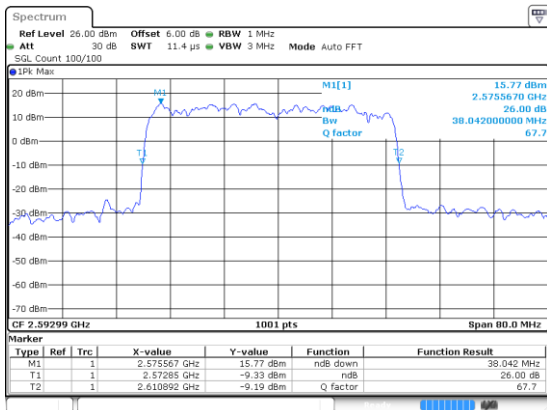
Lowest Channel / 16QAM



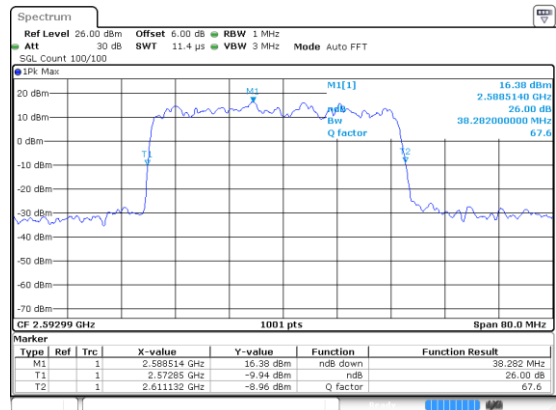
Lowest Channel / 64QAM



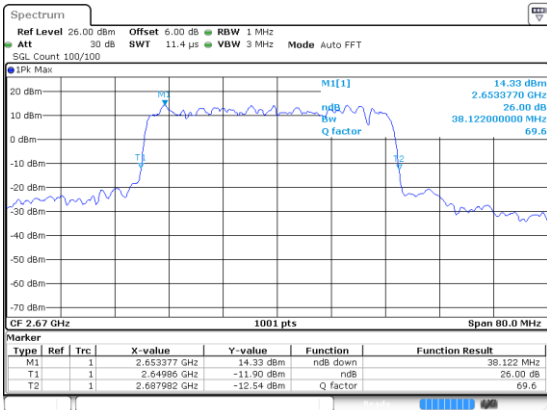
Middle Channel / 16QAM



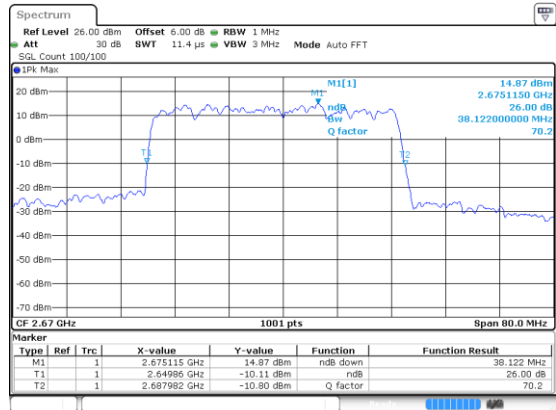
Middle Channel / 64QAM

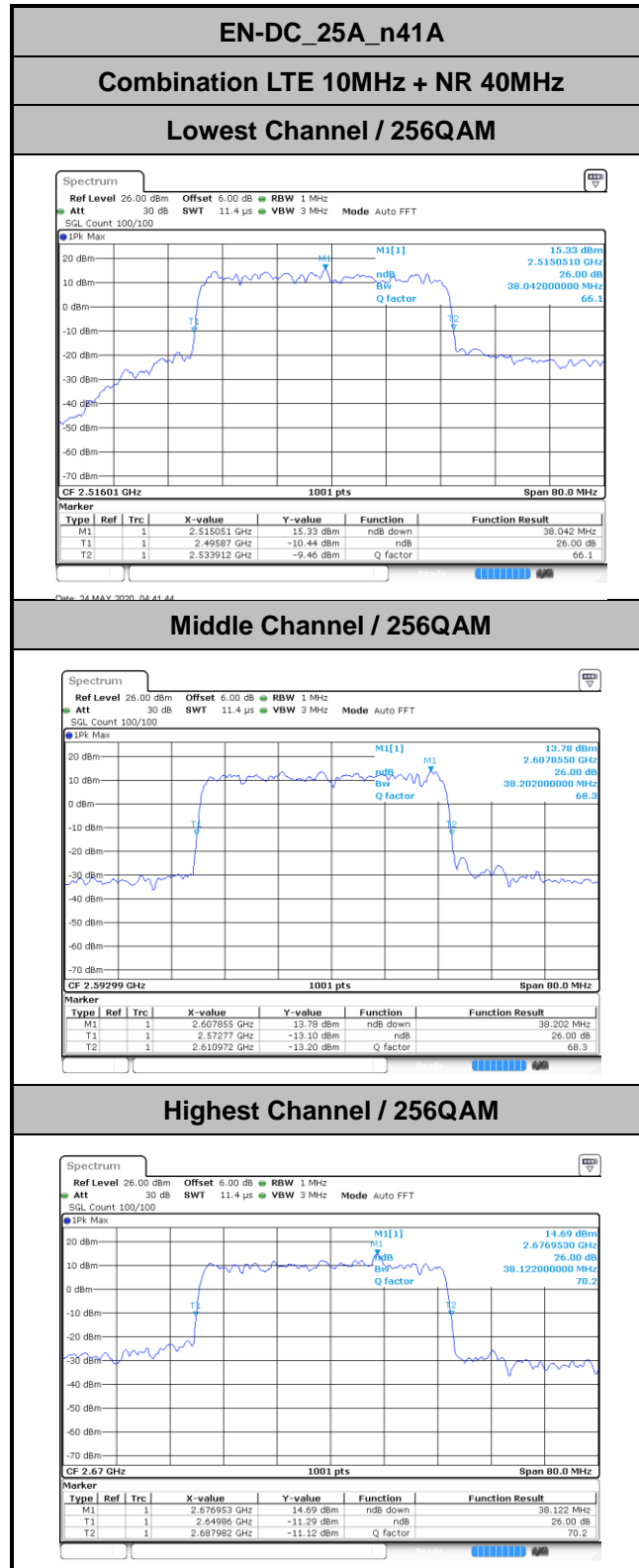


Highest Channel / 16QAM



Highest Channel / 64QAM



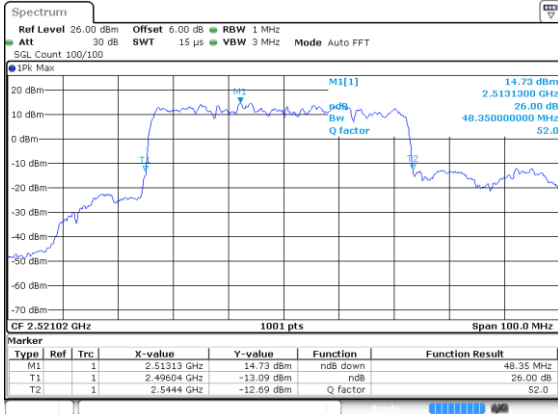




EN-DC_25A_n41A

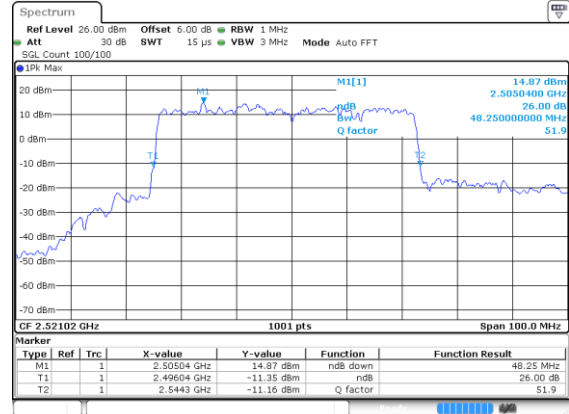
Combination LTE 10MHz + NR 50MHz

Lowest Channel / BPSK



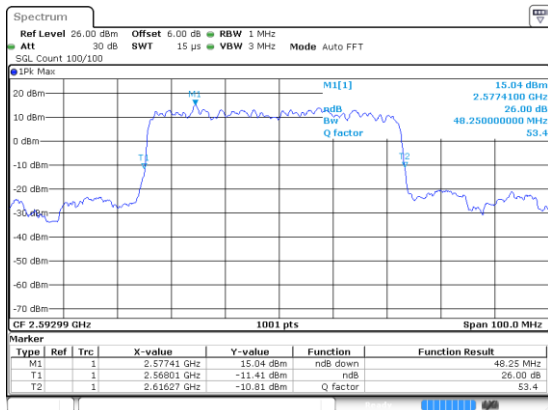
Date: 24 MAY 2020 06:54:22

Lowest Channel / QPSK

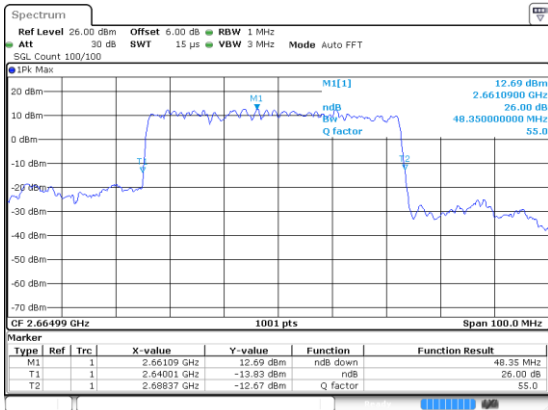


Date: 24 MAY 2020 06:56:36

Middle Channel / BPSK

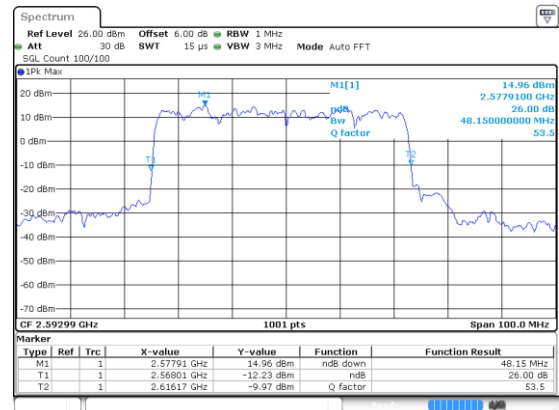


Highest Channel / BPSK

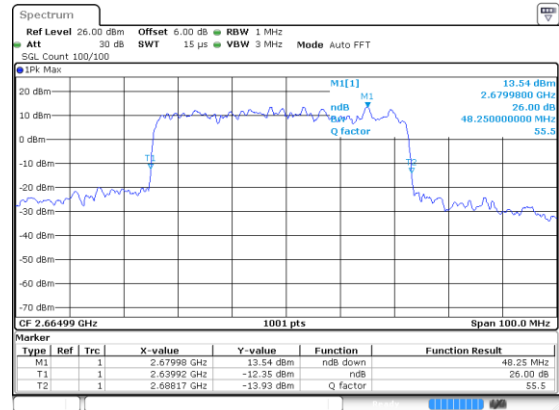


Date: 24 MAY 2020 06:54:22

Middle Channel / QPSK



Highest Channel / QPSK



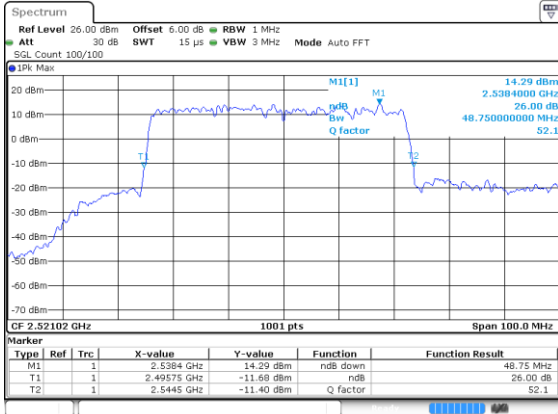
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EN-DC_25A_n41A

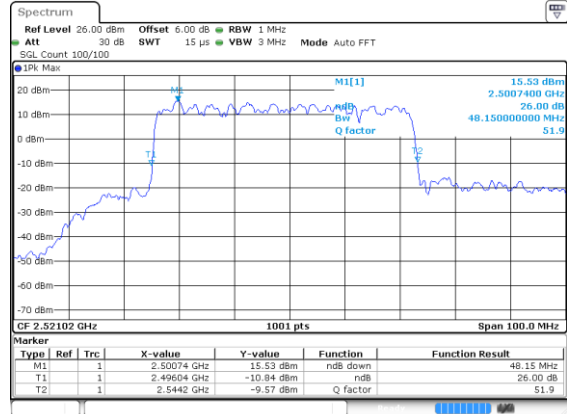
Combination LTE 10MHz + NR 50MHz

Lowest Channel / 16QAM



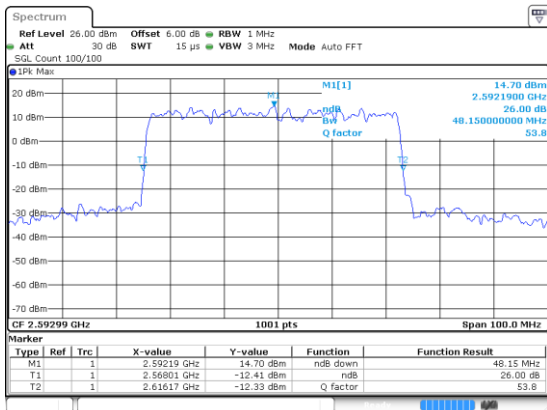
Date: 24 MAY 2020 06:57:04

Lowest Channel / 64QAM

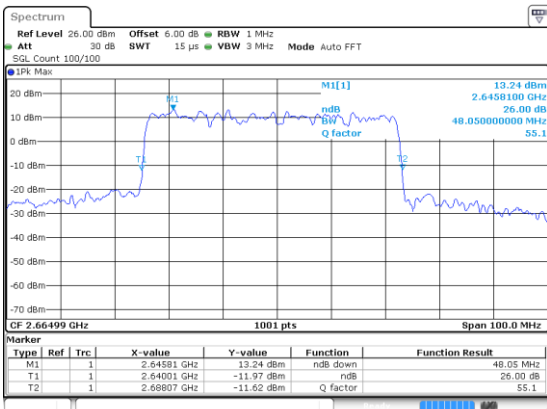


Date: 24 MAY 2020 06:57:41

Middle Channel / 16QAM

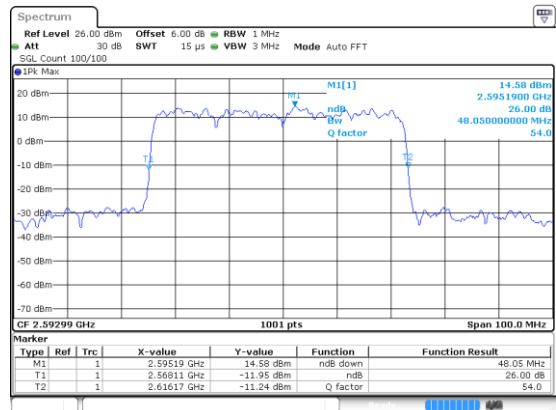


Highest Channel / 16QAM

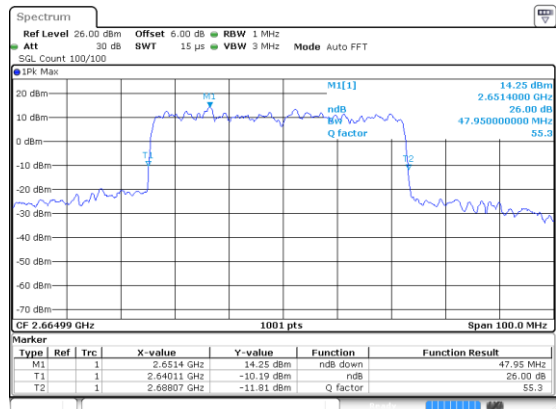


Date: 24 MAY 2020 06:57:04

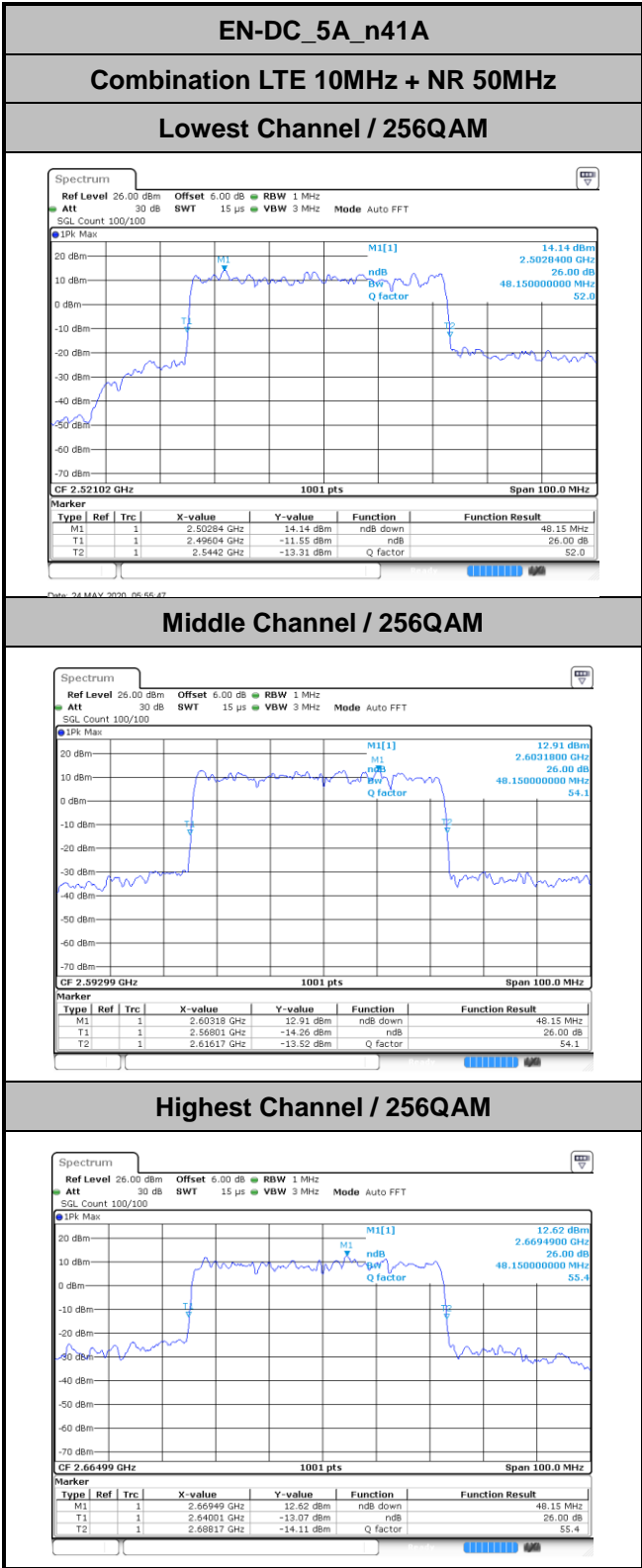
Middle Channel / 64QAM



Highest Channel / 64QAM



Date: 24 MAY 2020 06:57:41

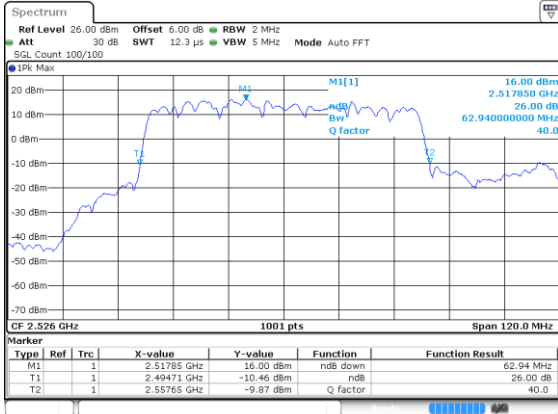




EN-DC_25A_n41A

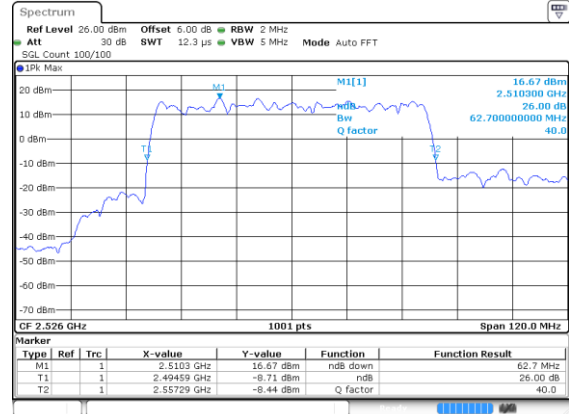
Combination LTE 10MHz + NR 60MHz

Lowest Channel / BPSK



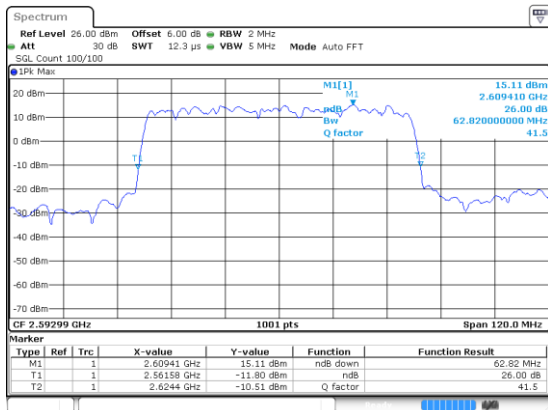
Date: 24 MAY 2020 06:47:26

Lowest Channel / QPSK



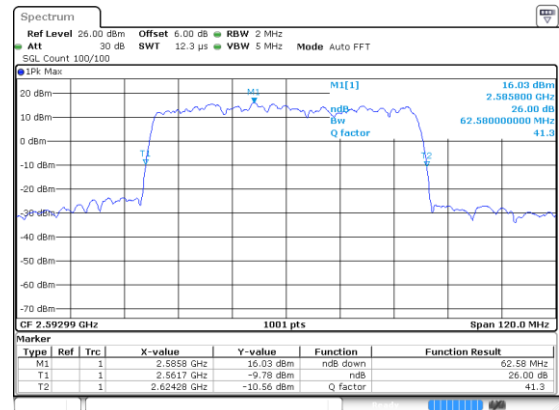
Date: 24 MAY 2020 06:48:38

Middle Channel / BPSK



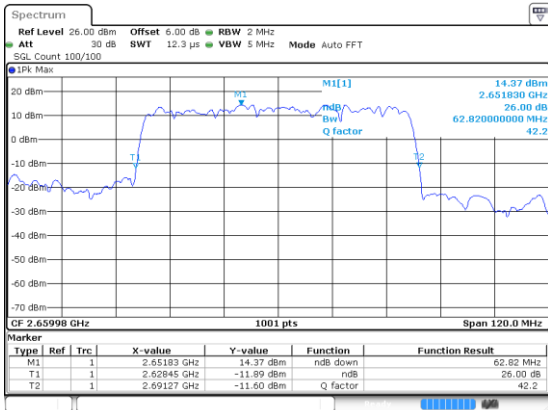
Date: 24 MAY 2020 06:49:08

Middle Channel / QPSK



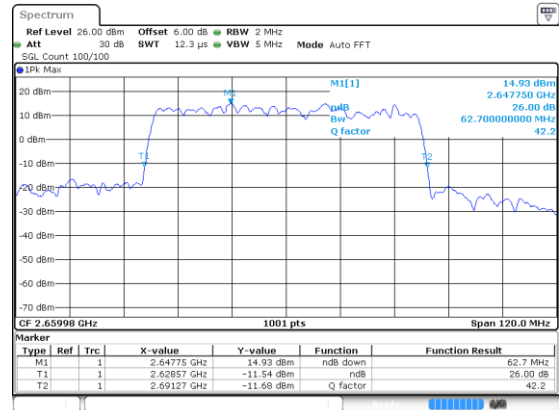
Date: 24 MAY 2020 06:49:38

Highest Channel / BPSK



Date: 24 MAY 2020 06:49:58

Highest Channel / QPSK



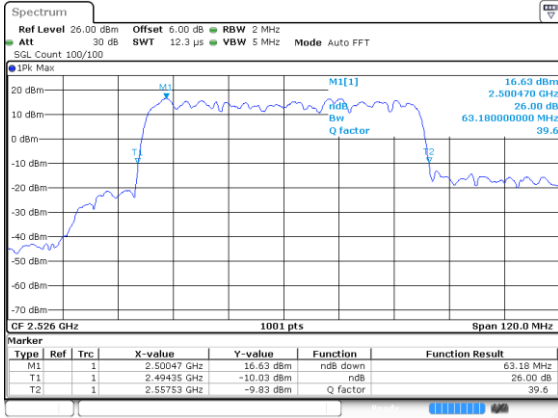
Date: 24 MAY 2020 06:50:08



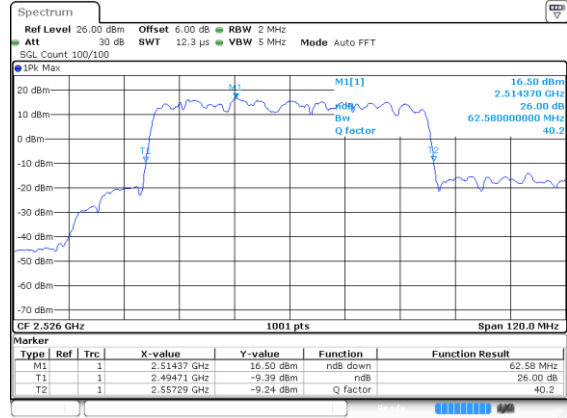
EN-DC_25A_n41A

Combination LTE 10MHz + NR 60MHz

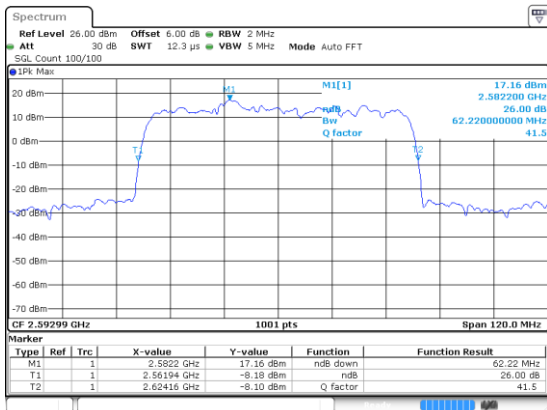
Lowest Channel / 16QAM



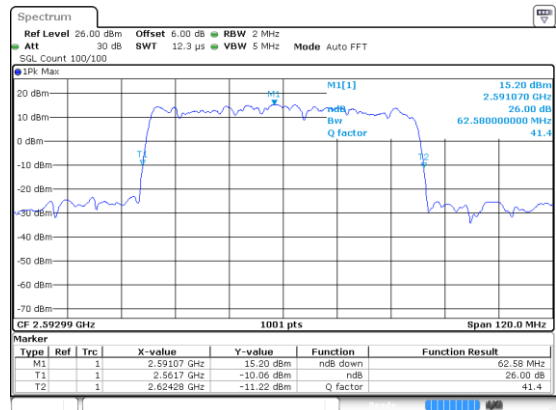
Lowest Channel / 64QAM



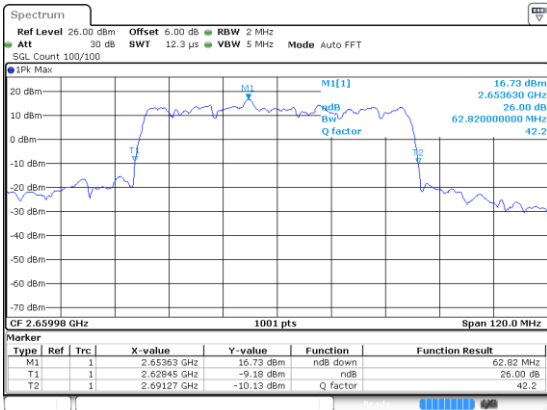
Middle Channel / 16QAM



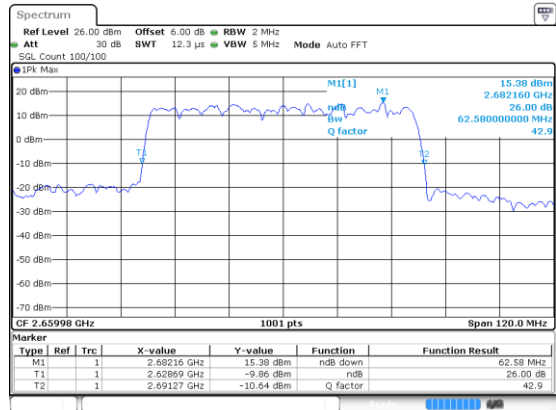
Middle Channel / 64QAM

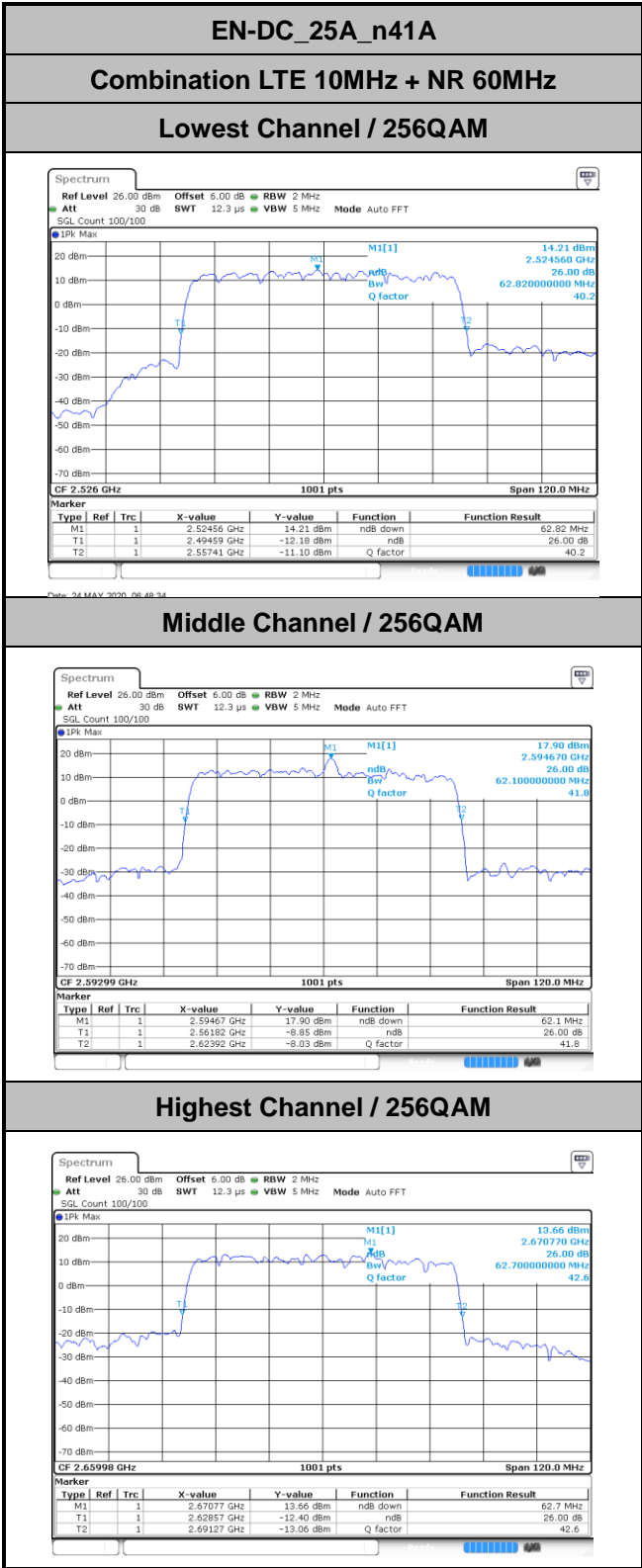


Highest Channel / 16QAM



Highest Channel / 64QAM



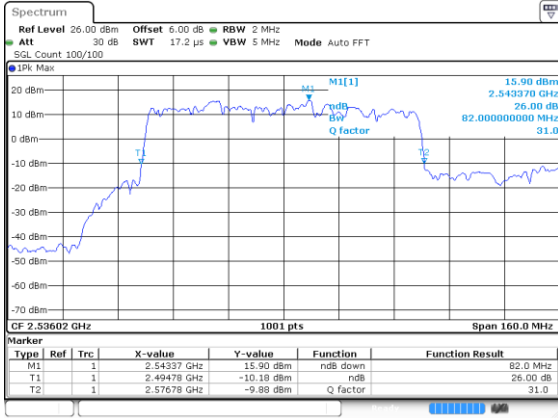




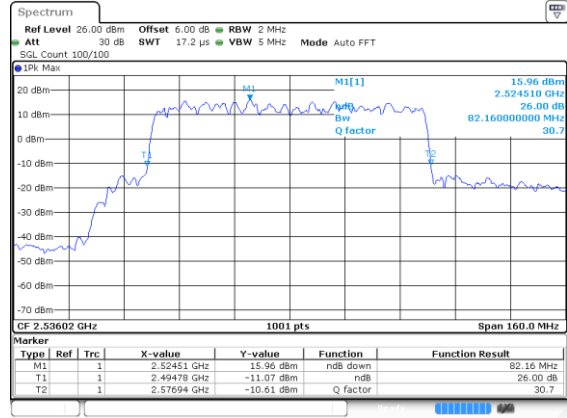
EN-DC_25A_n41A

Combination LTE 10MHz + NR 80MHz

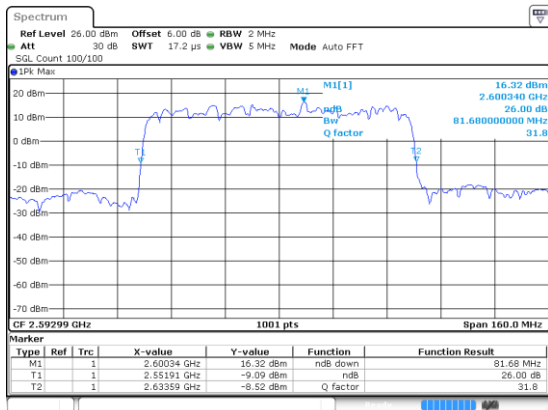
Lowest Channel / BPSK



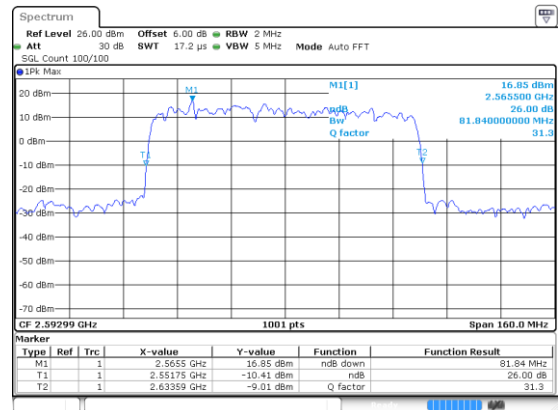
Lowest Channel / QPSK



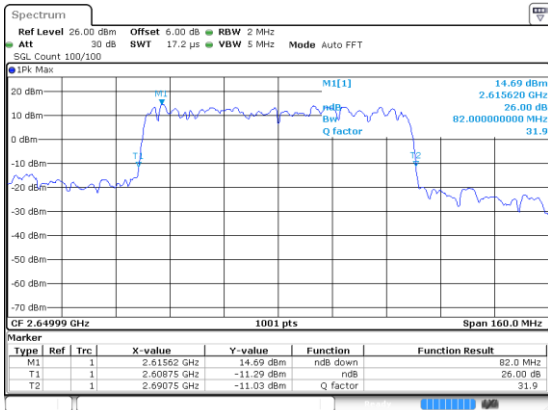
Middle Channel / BPSK



Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

