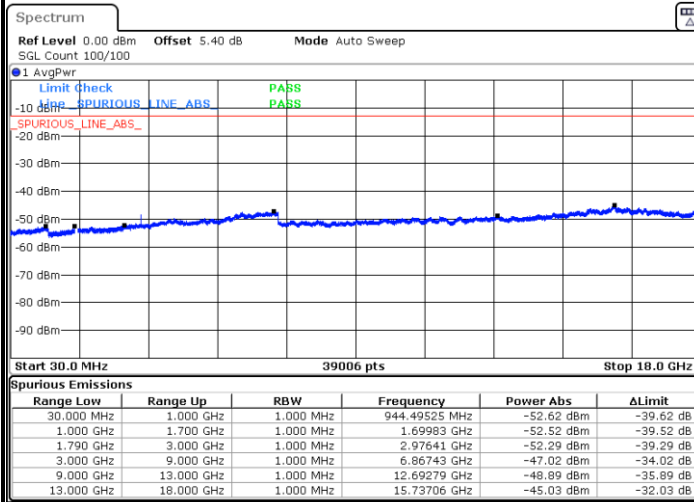




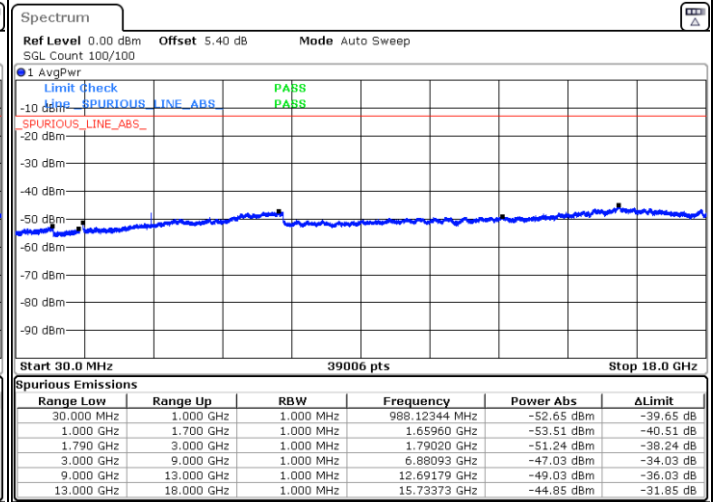
LTE Band 66 / 5MHz

Lowest Channel / QPSK



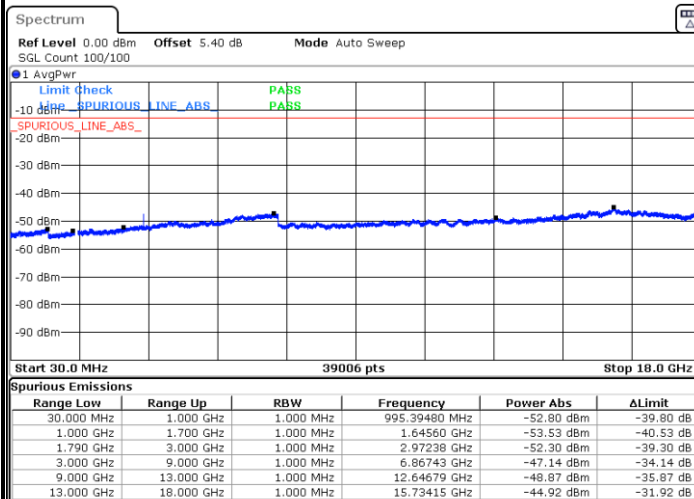
Date: 25.JUL.2020 05:35:22

Lowest Channel / 16QAM



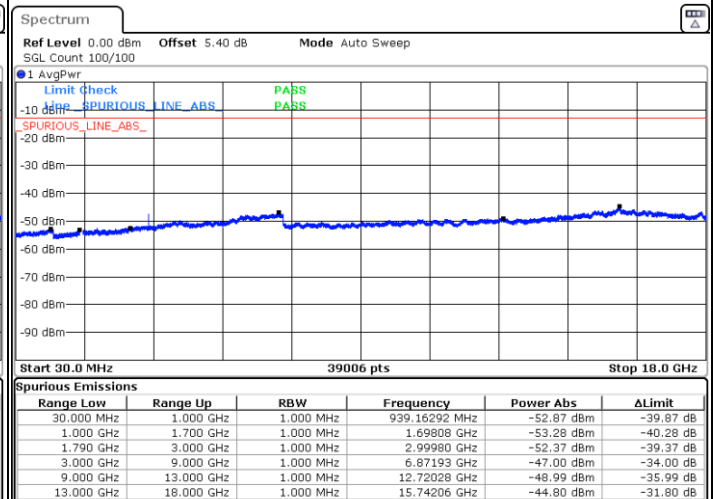
Date: 25.JUL.2020 05:48:01

Middle Channel / QPSK



Date: 25.JUL.2020 05:39:48

Middle Channel / 16QAM

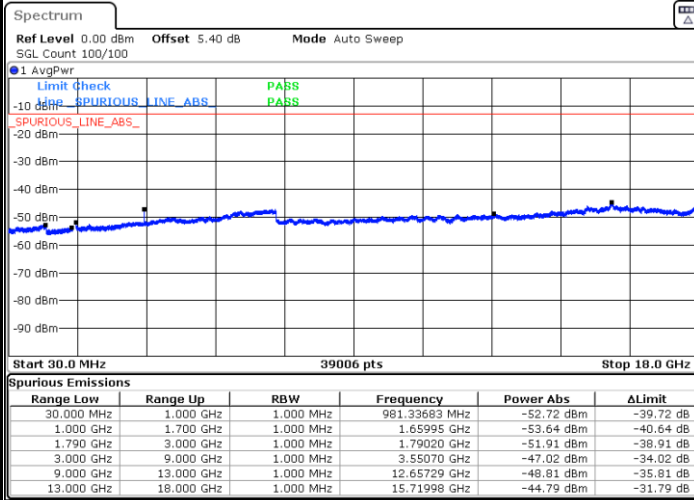


Date: 25.JUL.2020 05:41:42



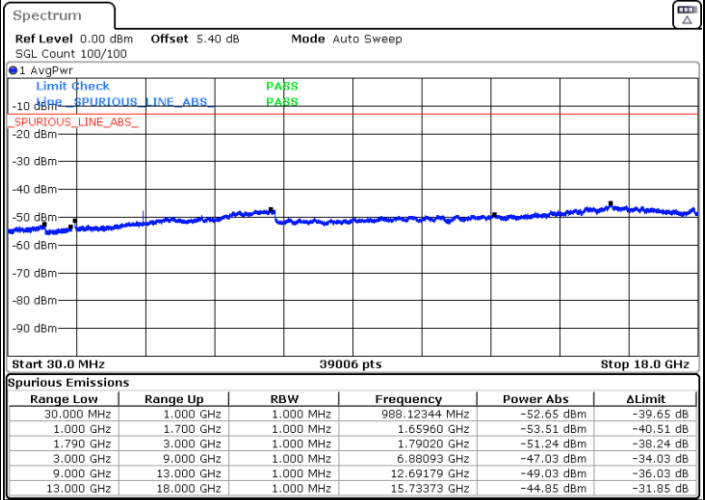
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 25.JUL.2020 05:47:13

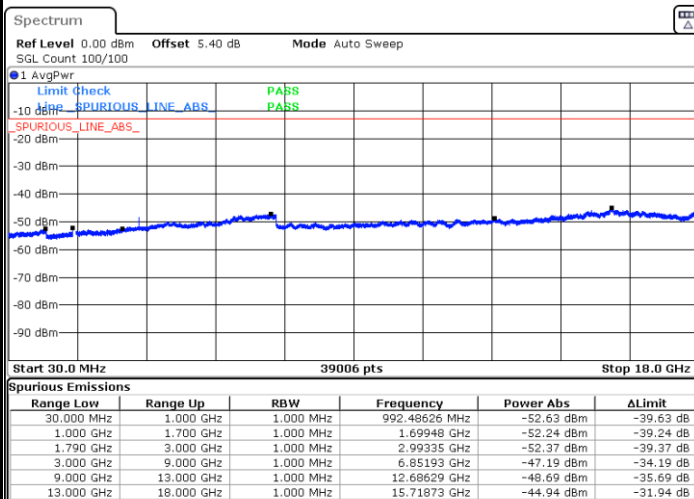
Highest Channel / 16QAM



Date: 25.JUL.2020 05:48:01

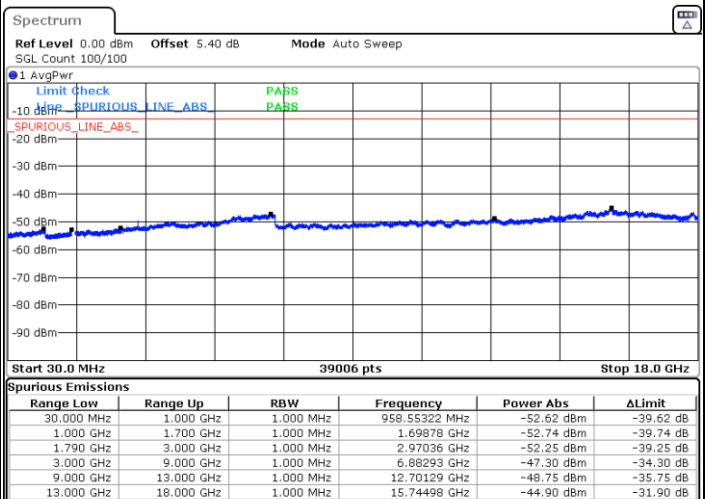
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 25.JUL.2020 05:53:27

Lowest Channel / 16QAM

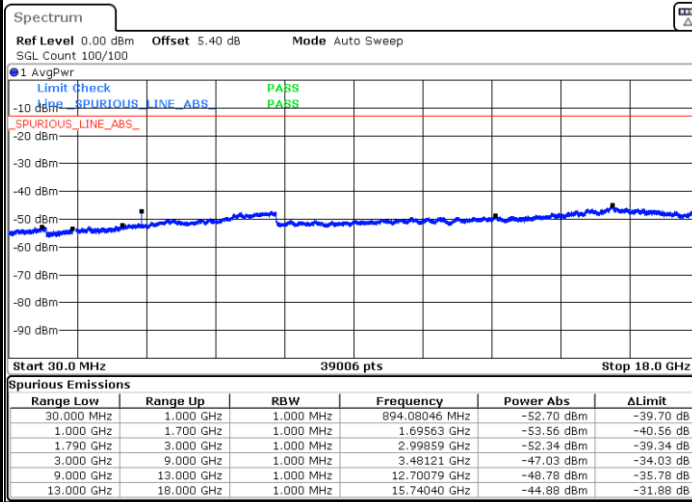


Date: 25.JUL.2020 05:54:20



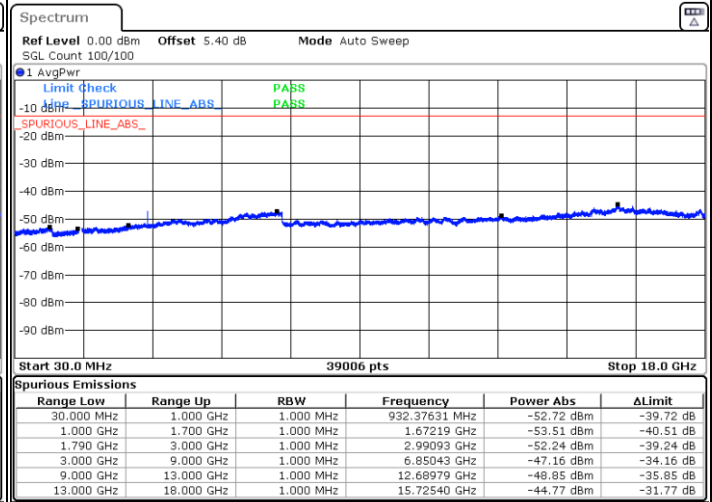
LTE Band 66 / 10MHz

Middle Channel / QPSK



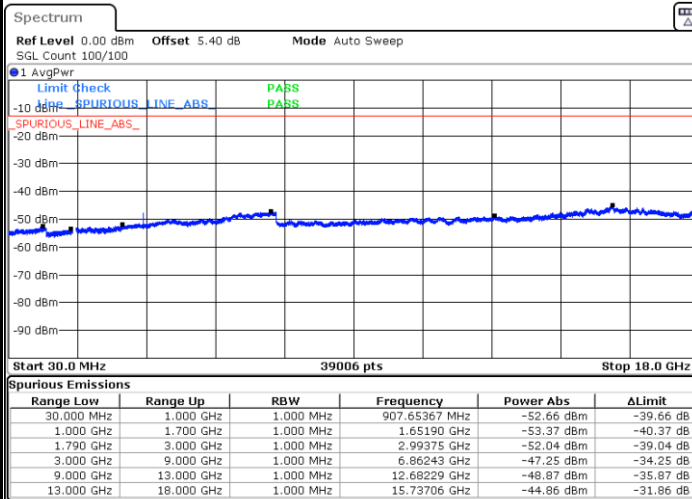
Date: 25.JUL.2020 05:56:38

Middle Channel / 16QAM



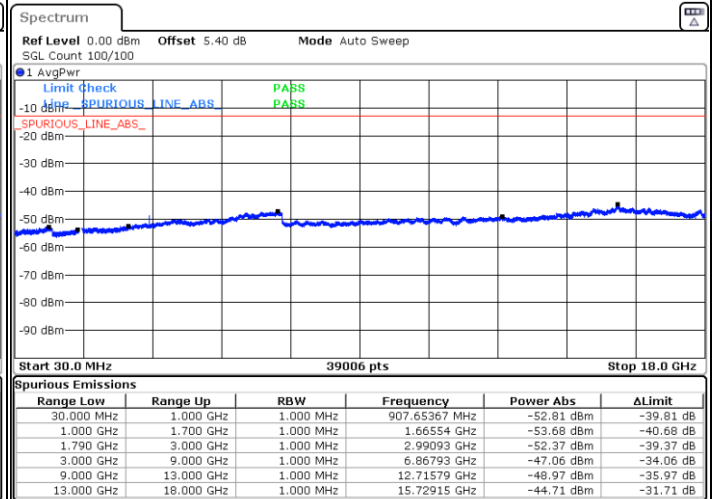
Date: 25.JUL.2020 05:57:23

Highest Channel / QPSK



Date: 25.JUL.2020 06:03:10

Highest Channel / 16QAM

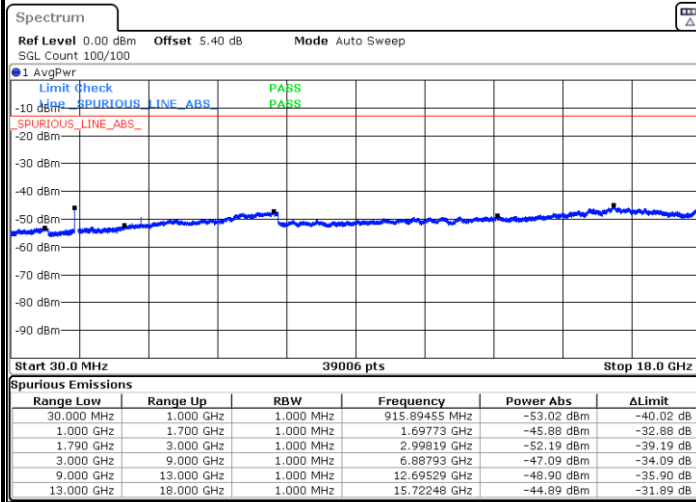


Date: 25.JUL.2020 06:03:50



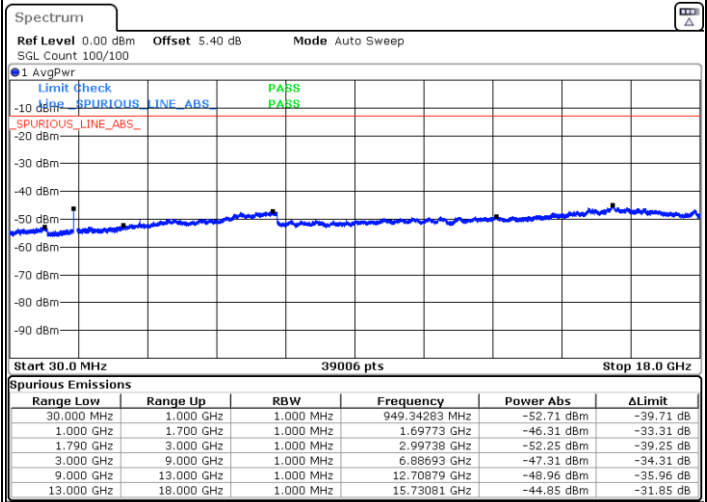
LTE Band 66 / 15MHz

Lowest Channel / QPSK



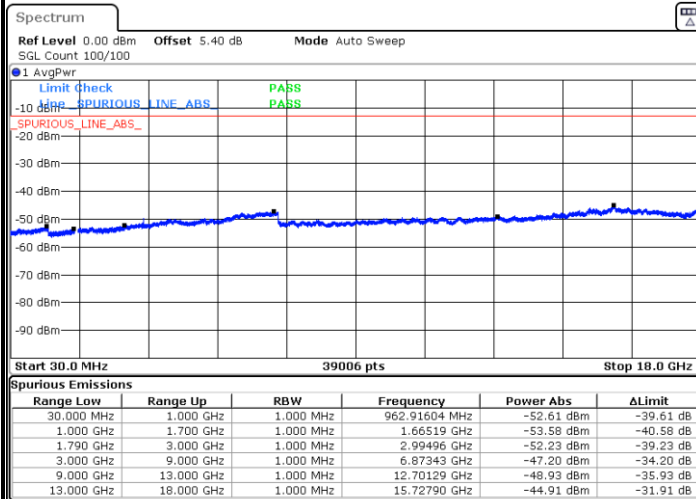
Date: 25.JUL.2020 06:07:51

Lowest Channel / 16QAM



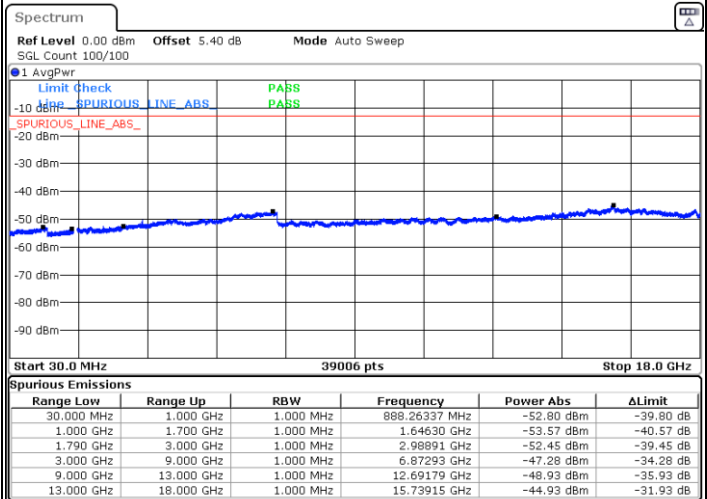
Date: 25.JUL.2020 06:08:50

Middle Channel / QPSK



Date: 25.JUL.2020 06:12:26

Middle Channel / 16QAM

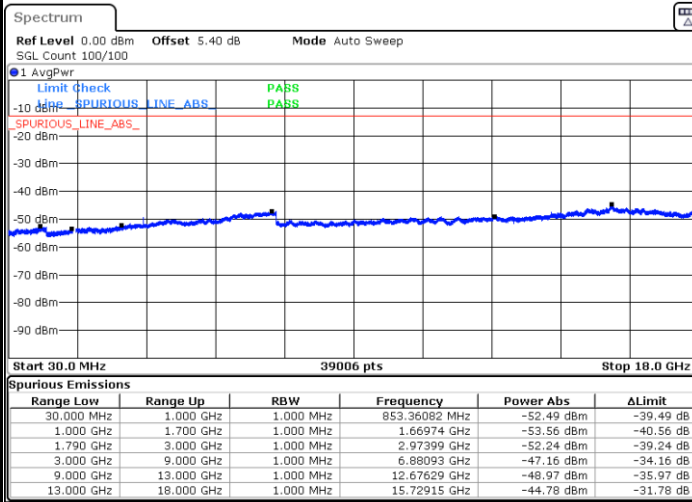


Date: 25.JUL.2020 06:13:07



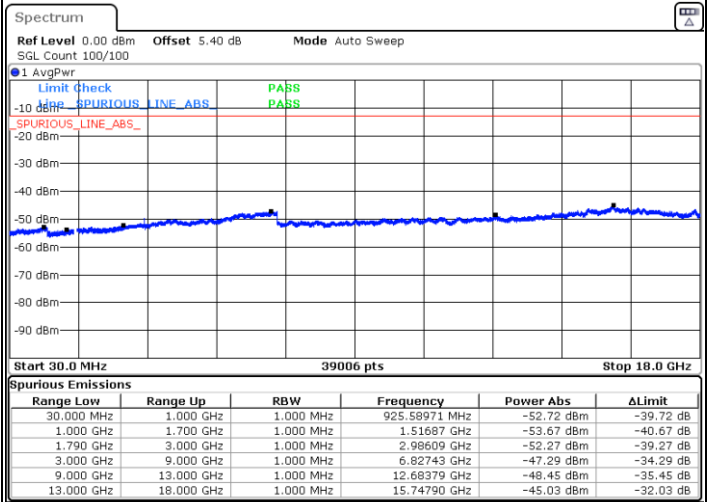
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 25.JUL.2020 06:14:55

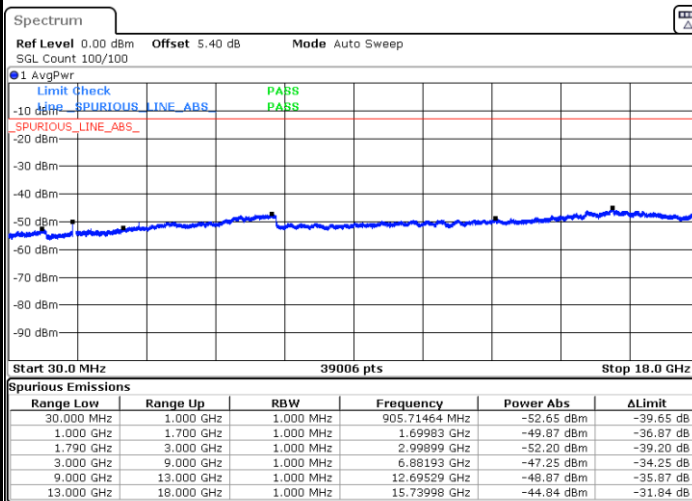
Highest Channel / 16QAM



Date: 25.JUL.2020 06:15:36

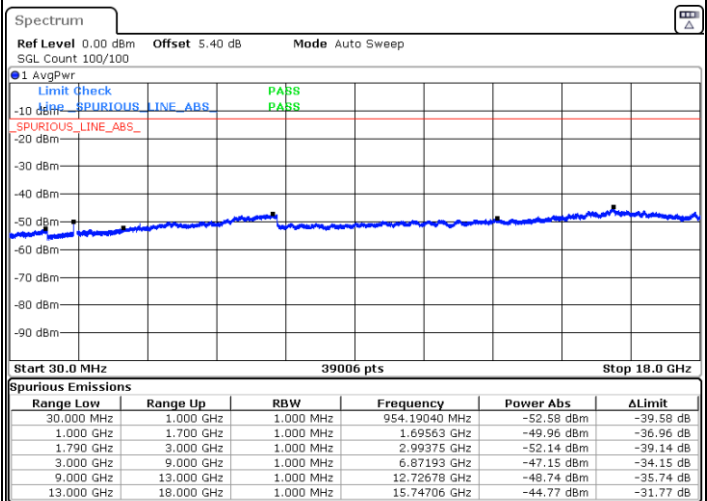
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 25.JUL.2020 06:23:35

Lowest Channel / 16QAM

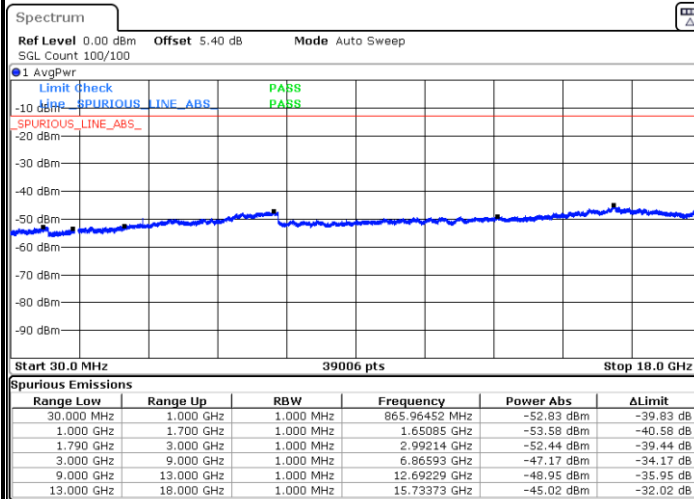


Date: 25.JUL.2020 06:24:53



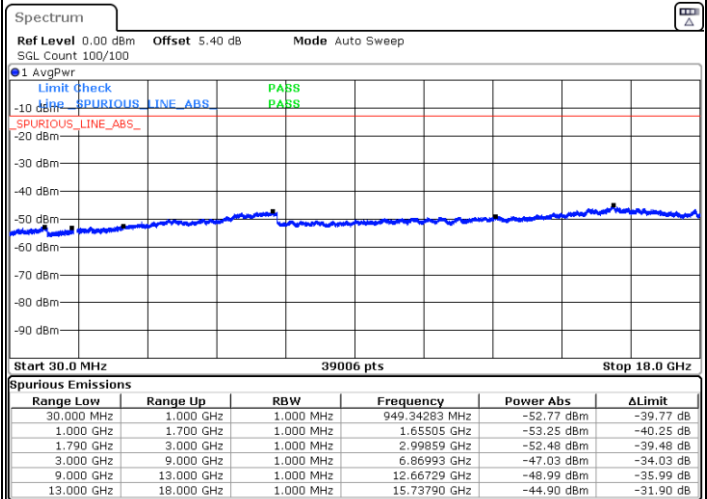
LTE Band 66 / 20MHz

Middle Channel / QPSK



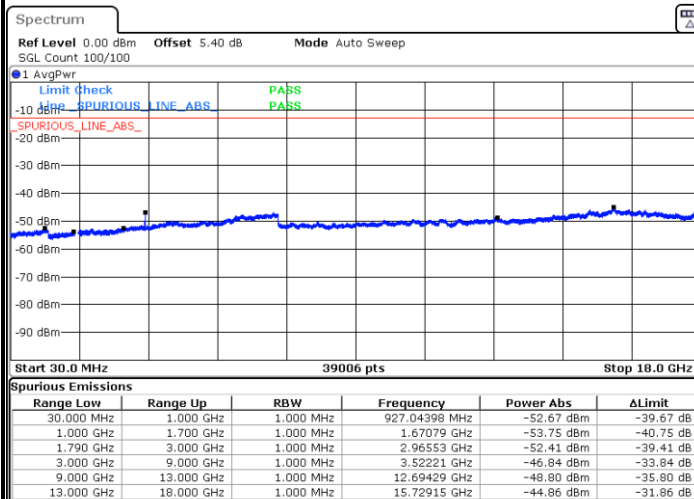
Date: 25.JUL.2020 06:27:51

Middle Channel / 16QAM



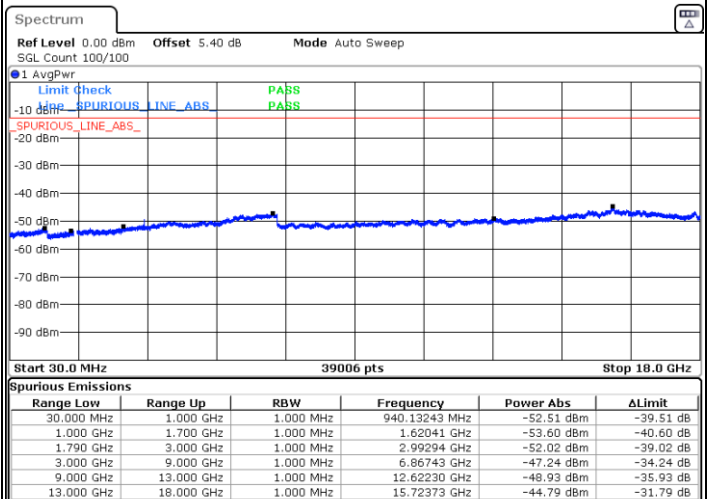
Date: 25.JUL.2020 06:29:55

Highest Channel / QPSK



Date: 25.JUL.2020 06:39:49

Highest Channel / 16QAM

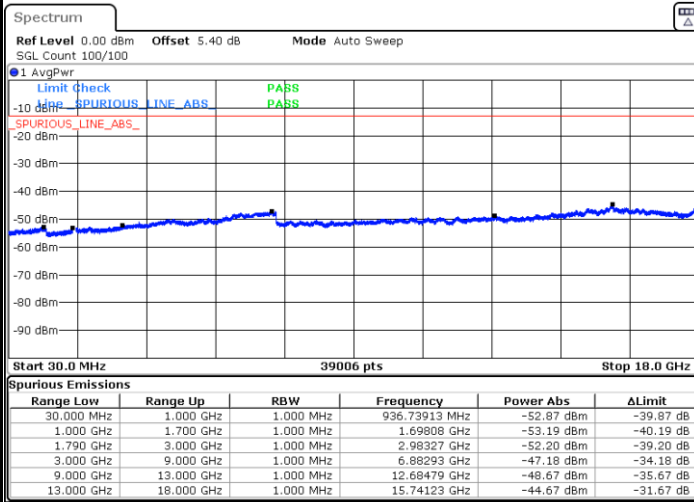


Date: 25.JUL.2020 06:40:47



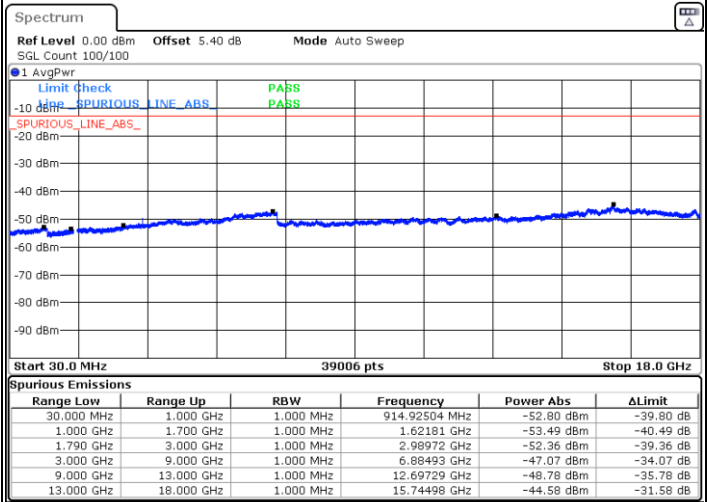
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



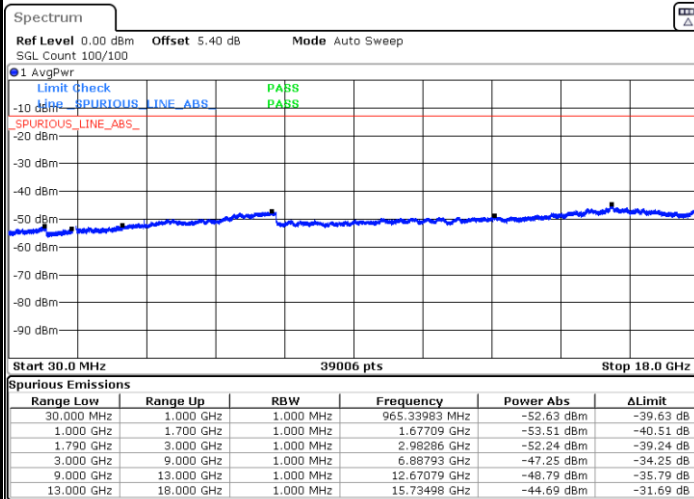
Date: 25.JUL.2020 04:47:19

Middle Channel / 64QAM



Date: 25.JUL.2020 04:51:35

Highest Channel / 64QAM

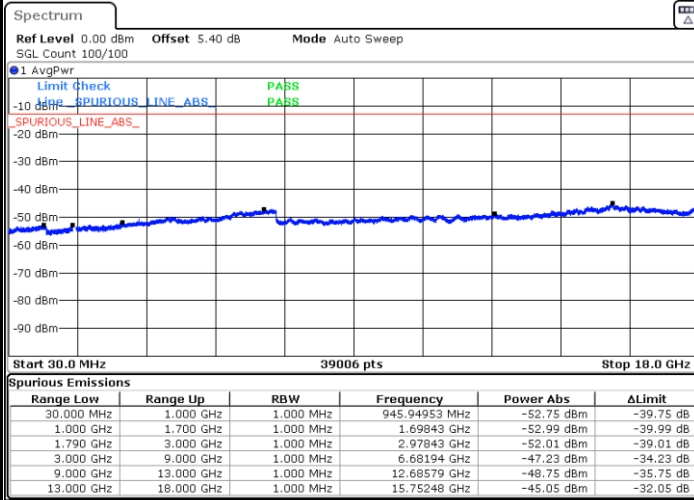


Date: 25.JUL.2020 05:07:55



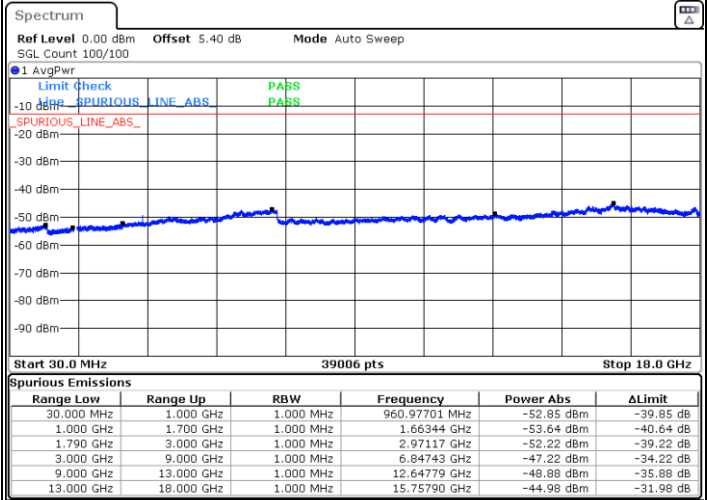
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



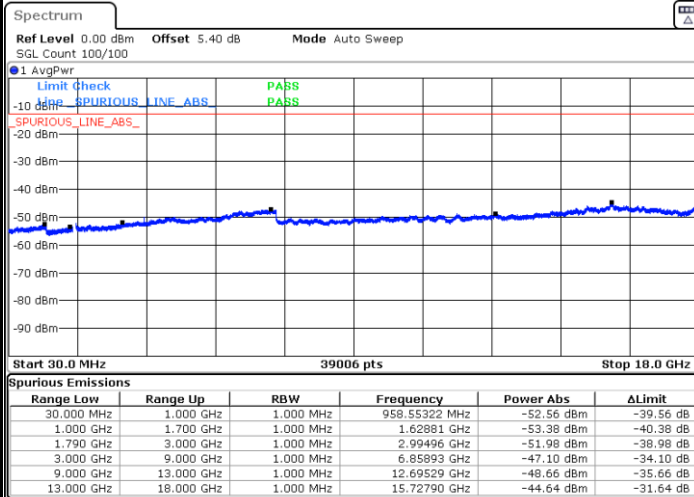
Date: 25.JUL.2020 05:18:18

Middle Channel / 64QAM



Date: 25.JUL.2020 05:22:59

Highest Channel / 64QAM

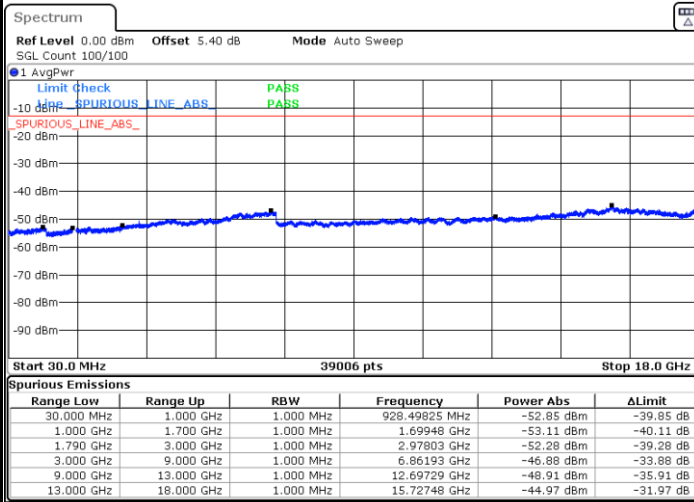


Date: 25.JUL.2020 05:29:40



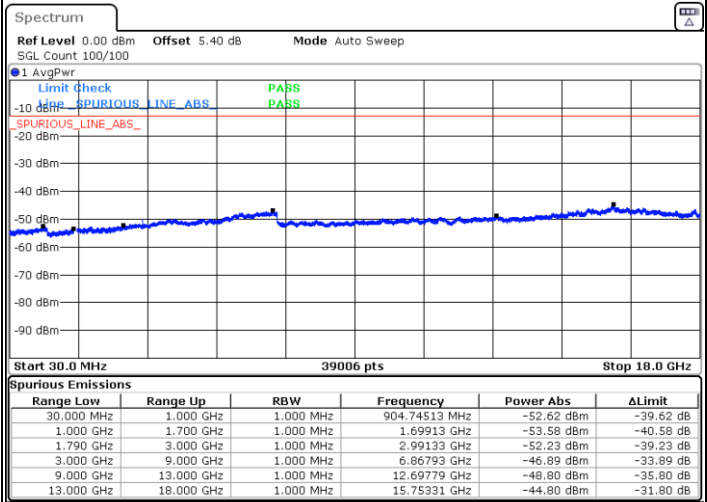
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



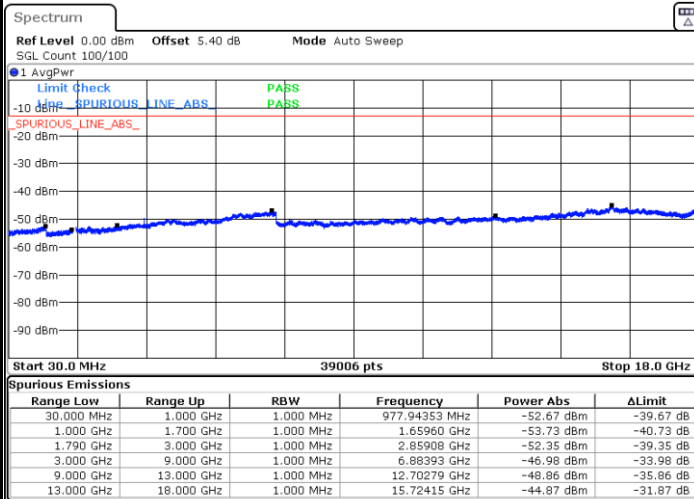
Date: 25.JUL.2020 05:37:25

Middle Channel / 64QAM



Date: 25.JUL.2020 05:42:32

Highest Channel / 64QAM

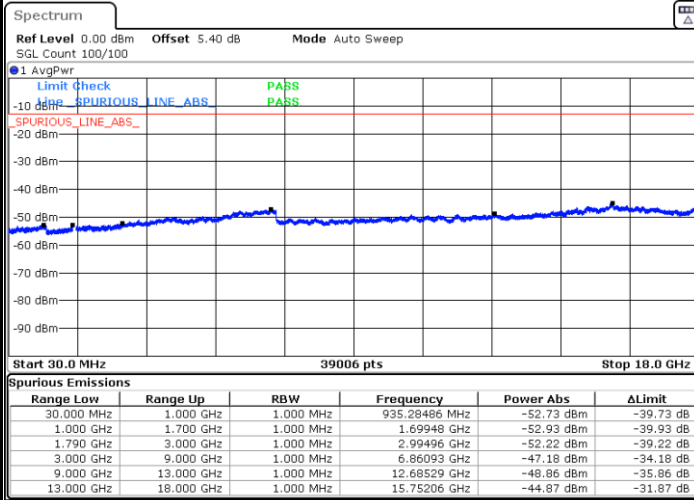


Date: 25.JUL.2020 05:48:58



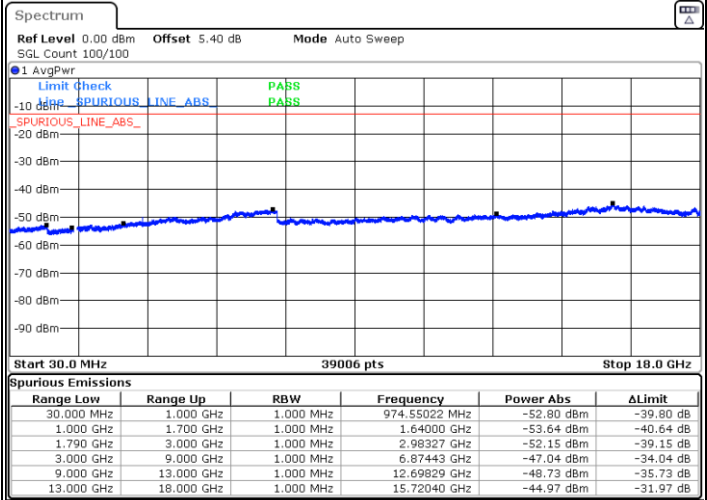
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



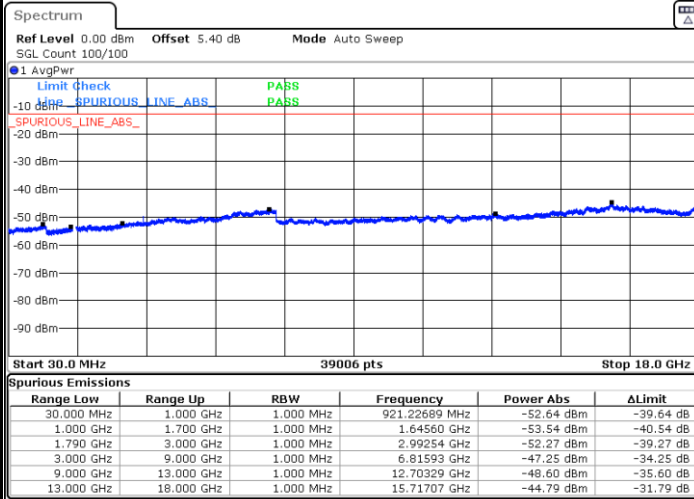
Date: 25.JUL.2020 05:52:34

Middle Channel / 64QAM



Date: 25.JUL.2020 05:58:14

Highest Channel / 64QAM

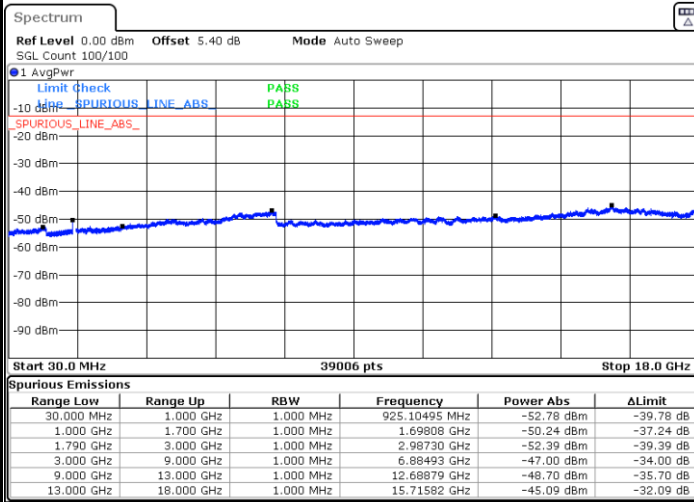


Date: 25.JUL.2020 06:02:27



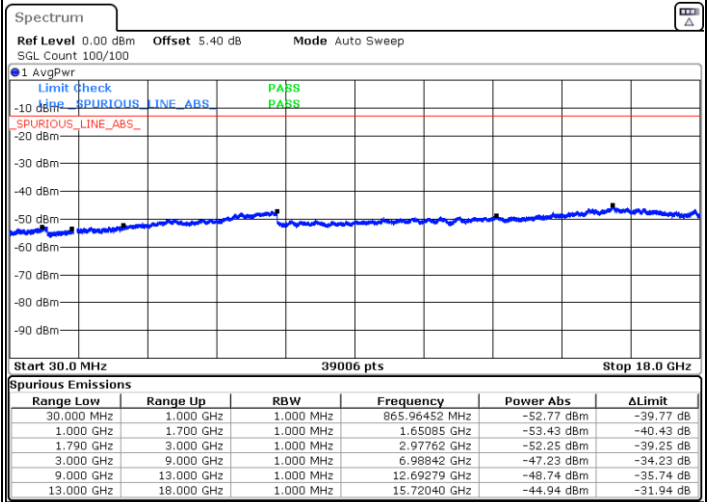
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



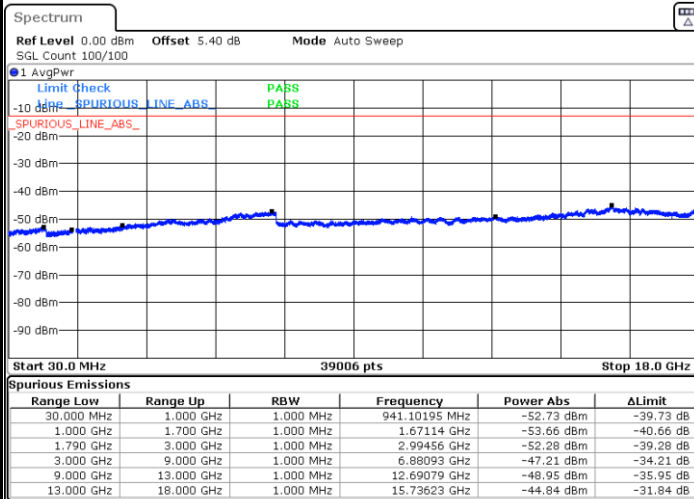
Date: 25.JUL.2020 06:09:42

Middle Channel / 64QAM



Date: 25.JUL.2020 06:13:50

Highest Channel / 64QAM

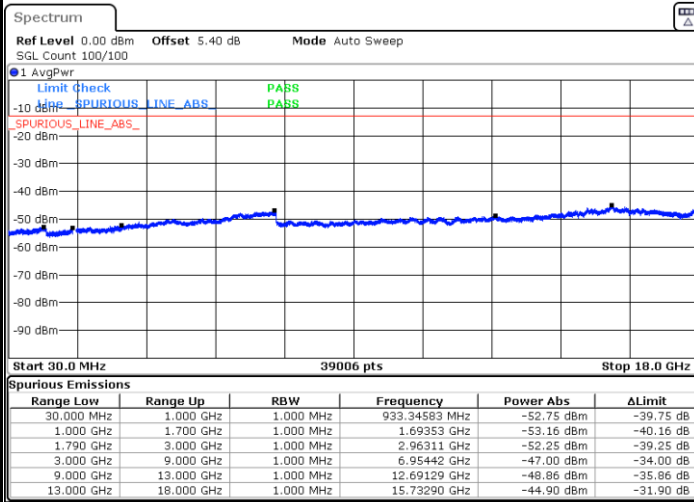


Date: 25.JUL.2020 06:16:17



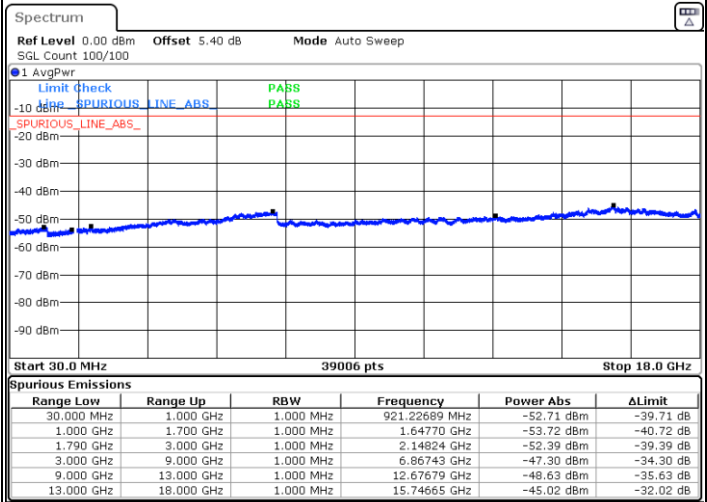
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



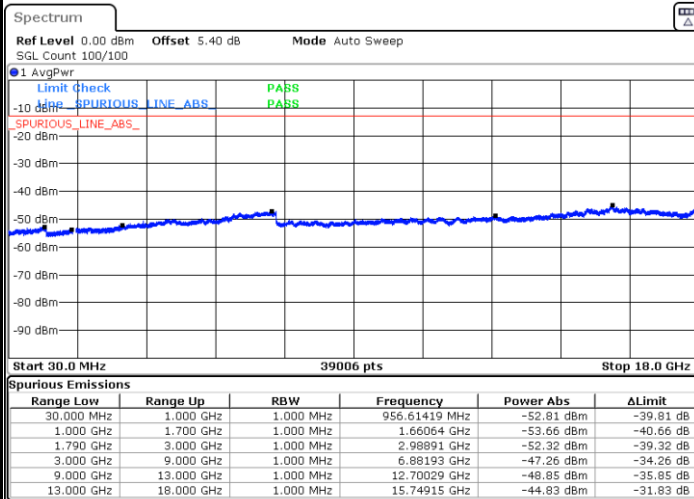
Date: 25.JUL.2020 06:26:15

Middle Channel / 64QAM



Date: 25.JUL.2020 06:30:48

Highest Channel / 64QAM



Date: 25.JUL.2020 06:41:43

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.135 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5B CA

26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.12	8.12	14.63
Middle CH	8.12	8.09	14.57
Highest CH	8.10	8.14	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.63	19.62	-
Middle CH	14.57	19.66	-
Highest CH	14.60	19.58	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.12	8.14	14.57
Middle CH	8.12	8.18	14.54
Highest CH	8.09	8.20	14.51
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.63	19.58	-
Middle CH	14.54	19.66	-
Highest CH	14.78	19.54	-

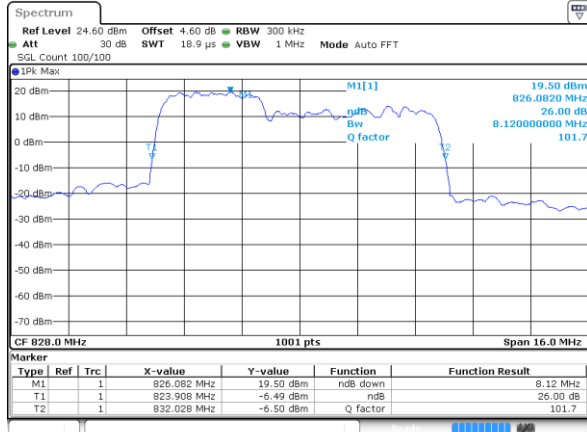
Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.07	8.20	14.60
Middle CH	8.06	8.14	14.57
Highest CH	8.10	8.15	14.60
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.69	19.62	-
Middle CH	14.63	19.50	-
Highest CH	14.57	19.62	-



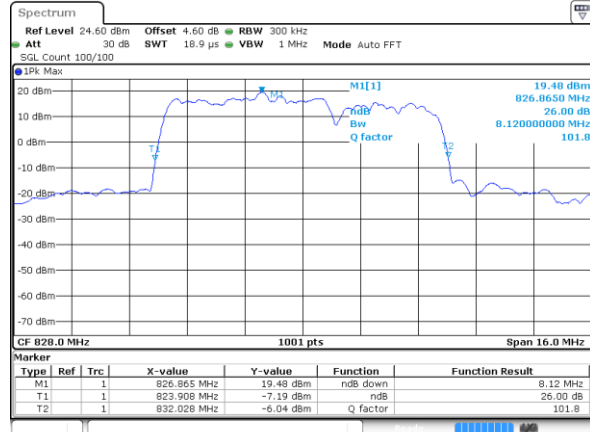
LTE Band 5B

QPSK

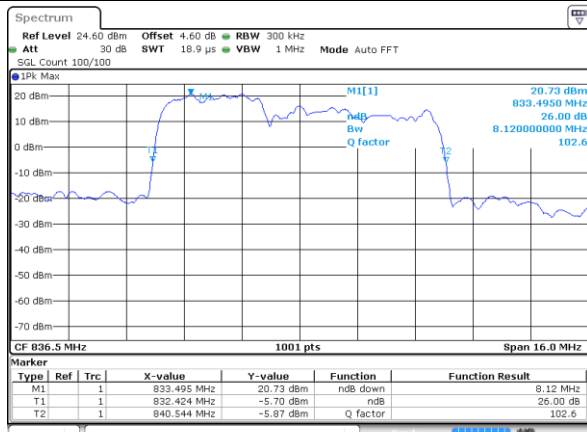
Lowest Channel / 3MHz+5MHz



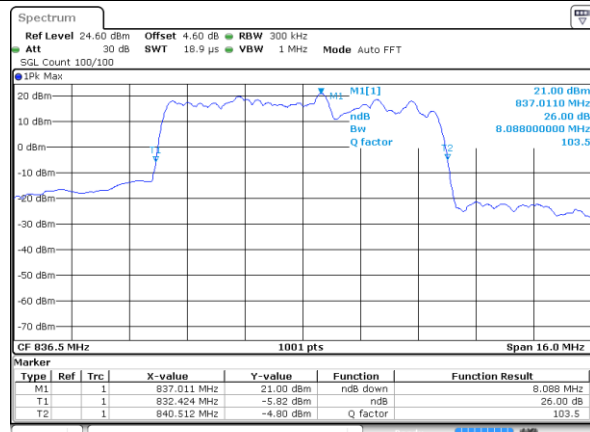
Lowest Channel / 5MHz+3MHz



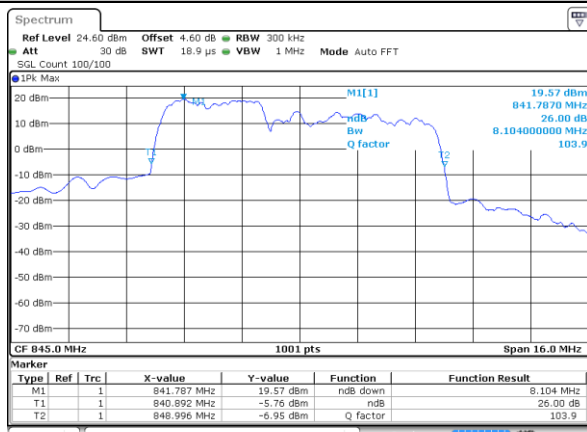
Middle Channel / 3MHz+5MHz



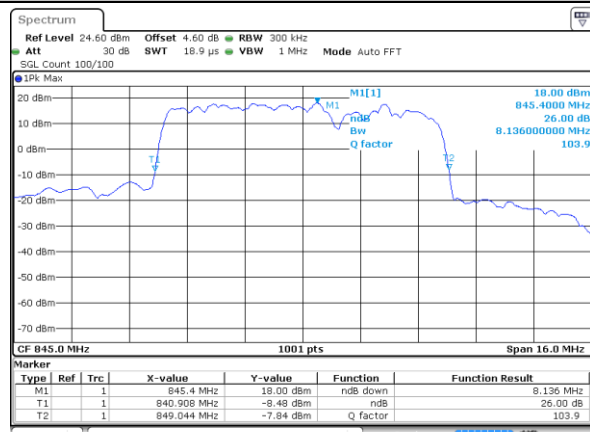
Middle Channel / 5MHz+3MHz



Highest Channel / 3MHz+5MHz



Highest Channel / 5MHz+3MHz

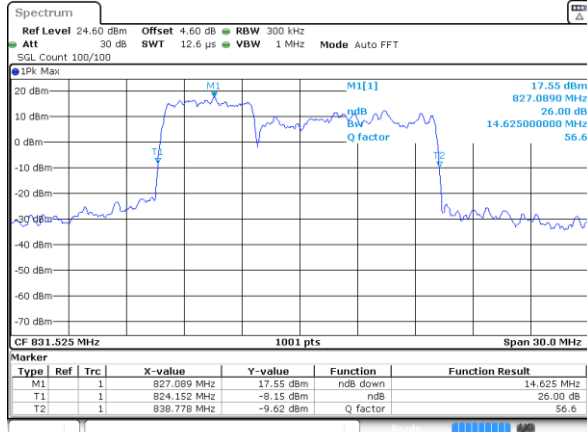




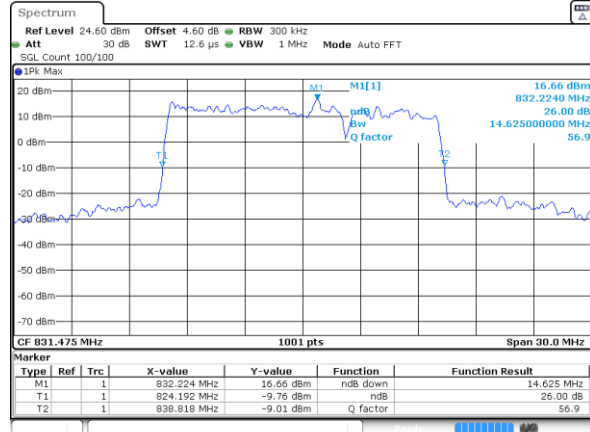
LTE Band 5B

QPSK

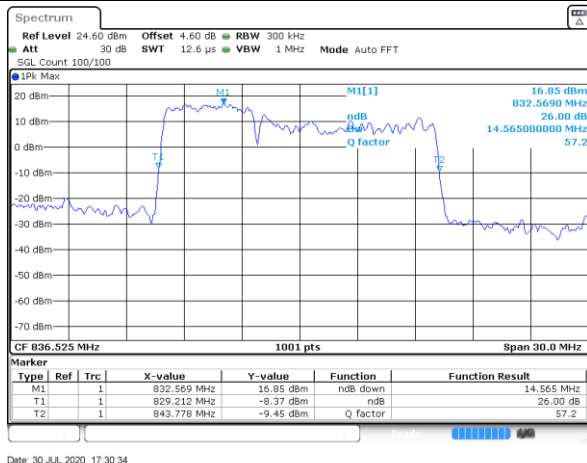
Lowest Channel / 5MHz+10MHz



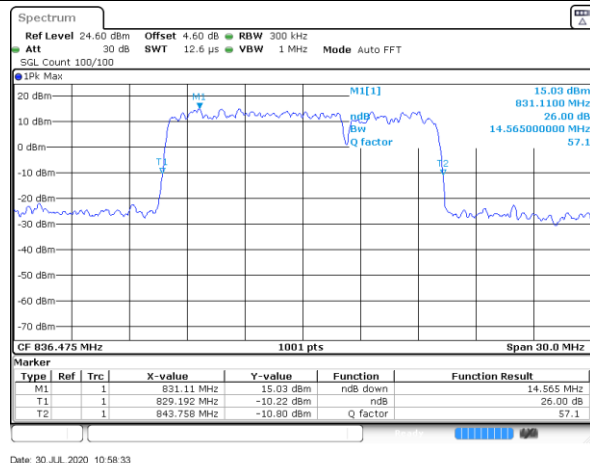
Lowest Channel / 10MHz+5MHz



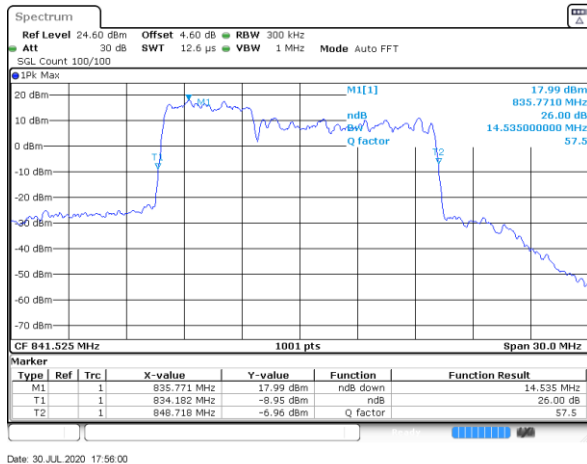
Middle Channel / 5MHz+10MHz



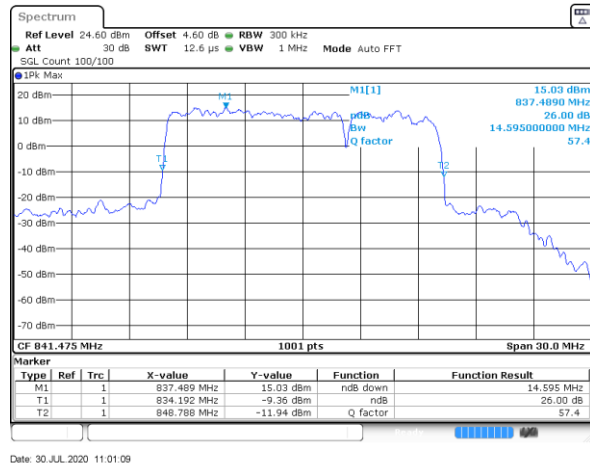
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



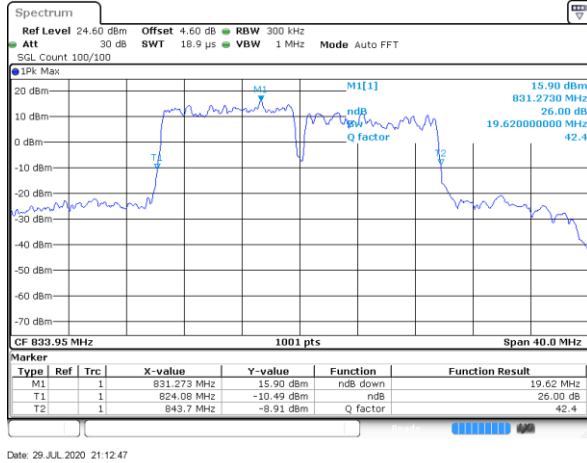


LTE Band 5B

QPSK

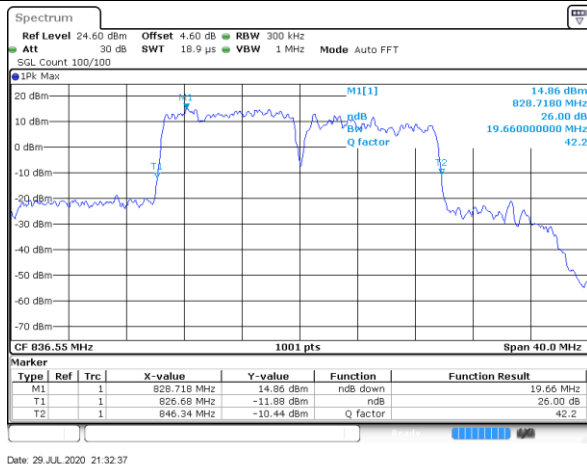
Lowest Channel / 10MHz+10MHz

N/A



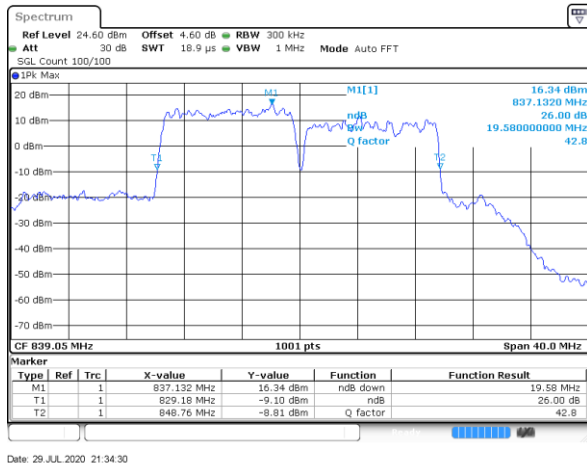
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

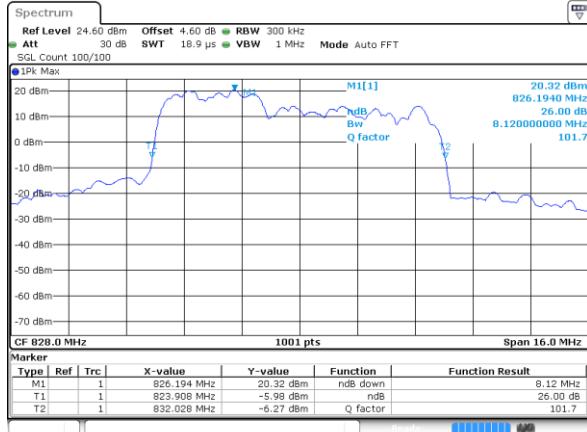




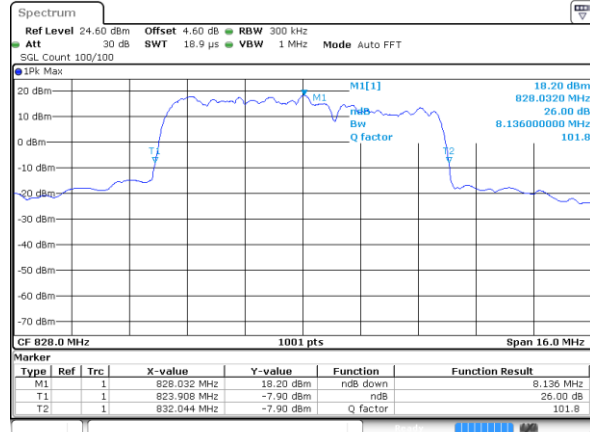
LTE Band 5B

16QAM

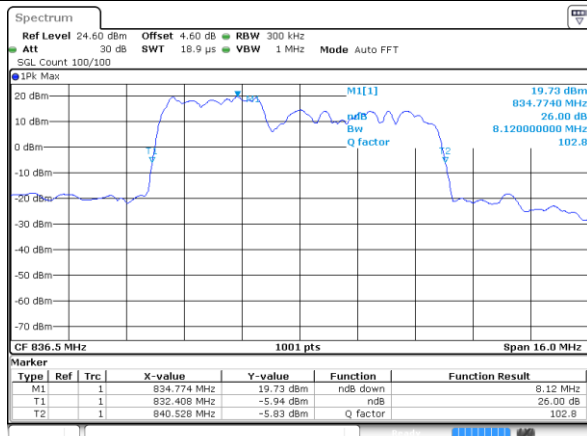
Lowest Channel / 3MHz+5MHz



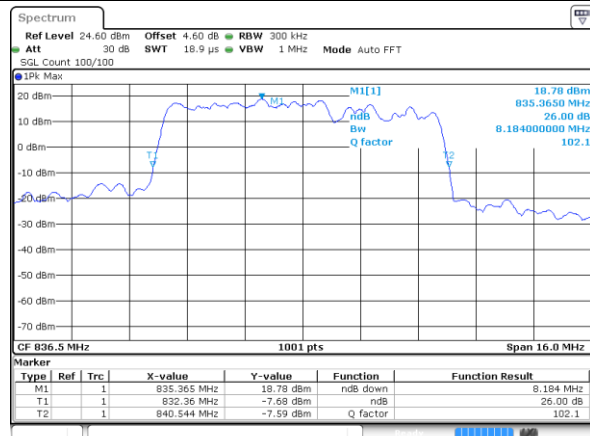
Lowest Channel / 5MHz+3MHz



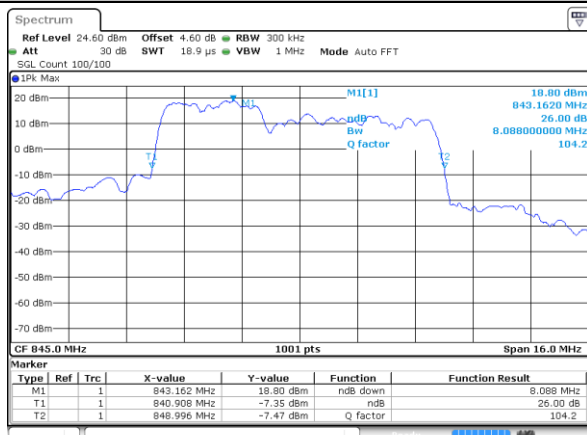
Middle Channel / 3MHz+5MHz



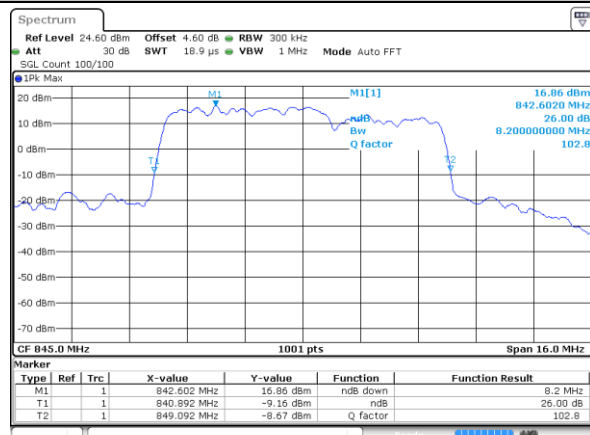
Middle Channel / 5MHz+3MHz



Highest Channel / 3MHz+5MHz



Highest Channel / 5MHz+3MHz

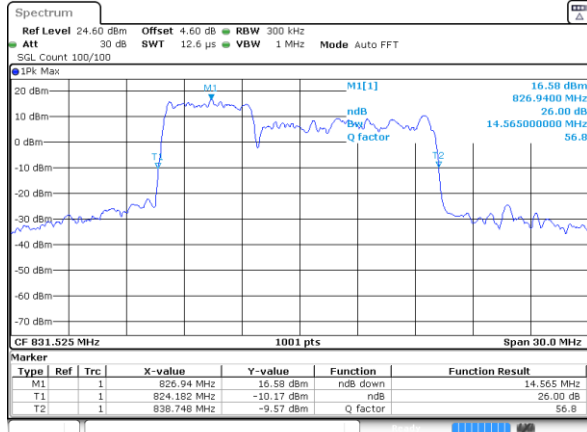




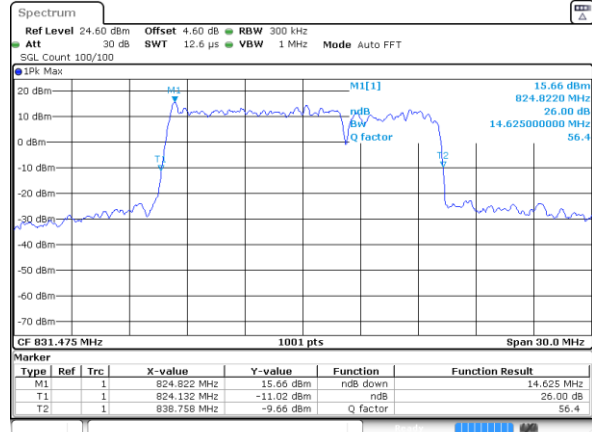
LTE Band 5B

16QAM

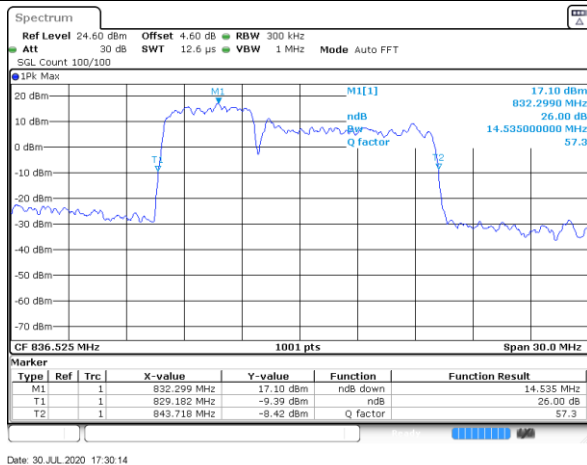
Lowest Channel / 5MHz+10MHz



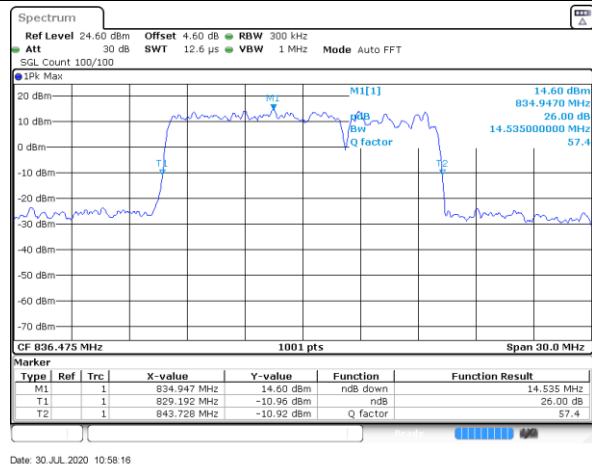
Lowest Channel / 10MHz+5MHz



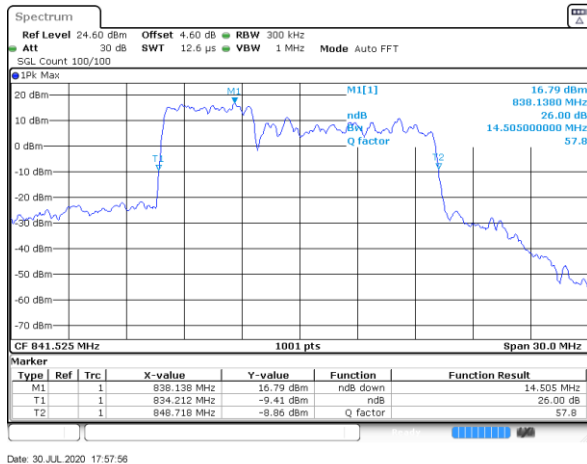
Middle Channel / 5MHz+10MHz



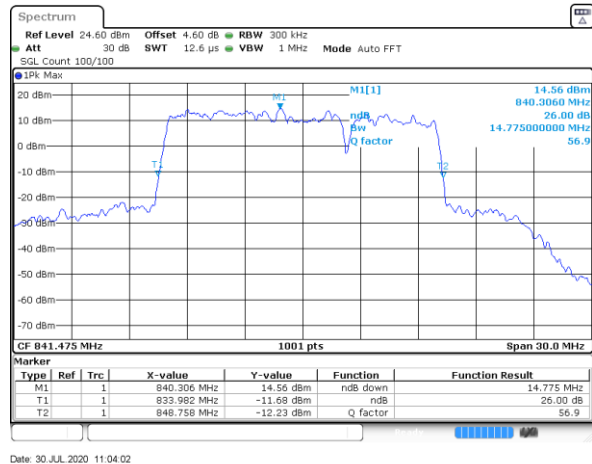
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



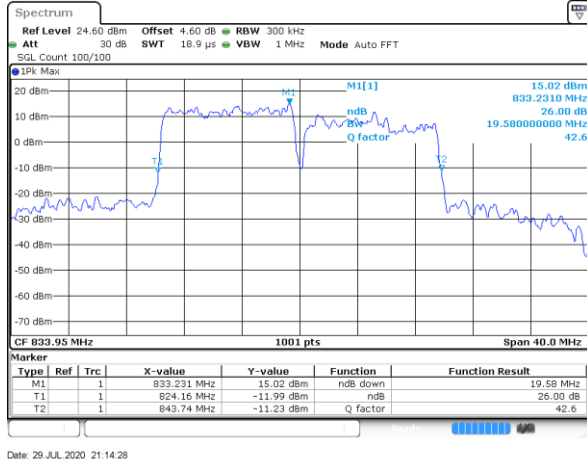


LTE Band 5B

16QAM

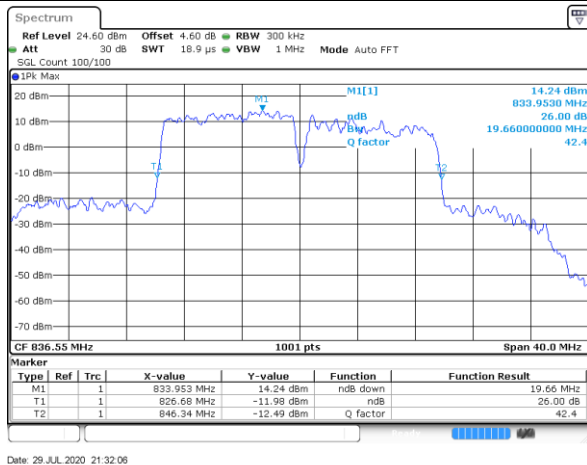
Lowest Channel / 10MHz+10MHz

N/A



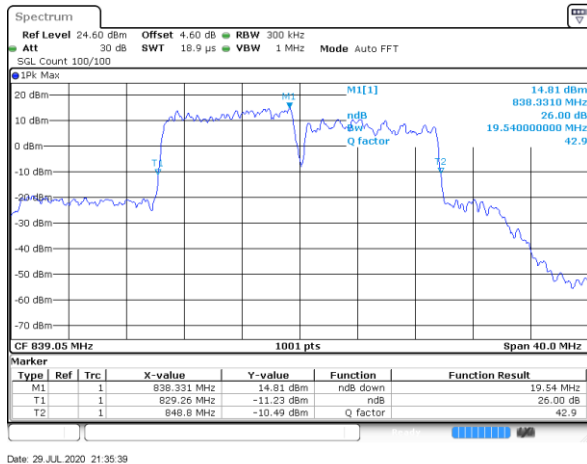
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

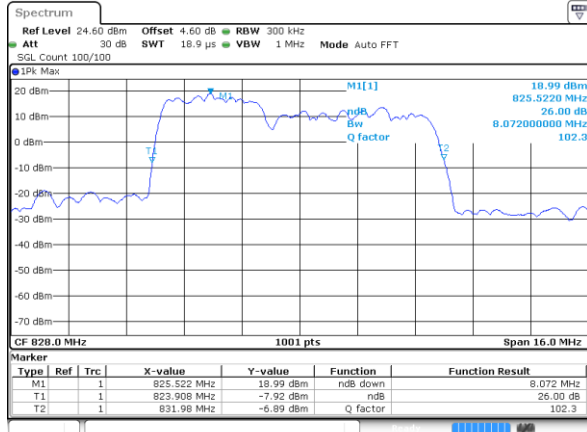




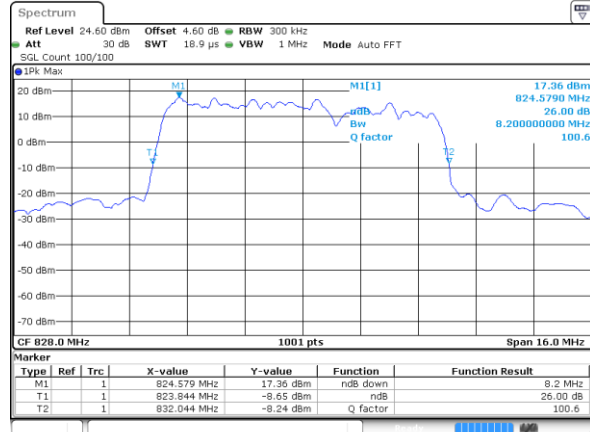
LTE Band 5B

64QAM

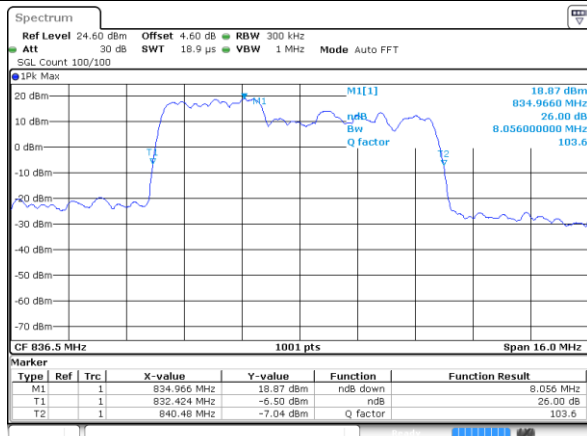
Lowest Channel / 3MHz+5MHz



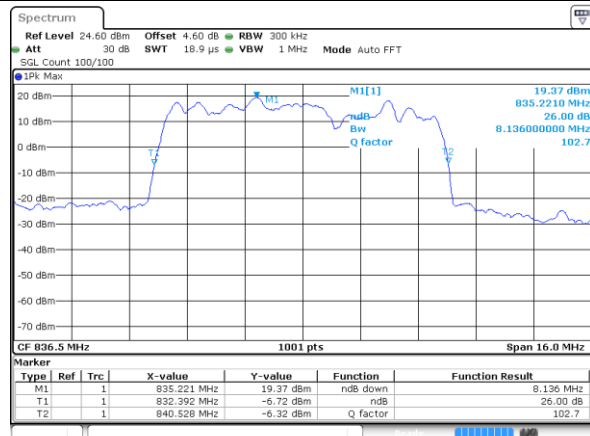
Lowest Channel / 5MHz+3MHz



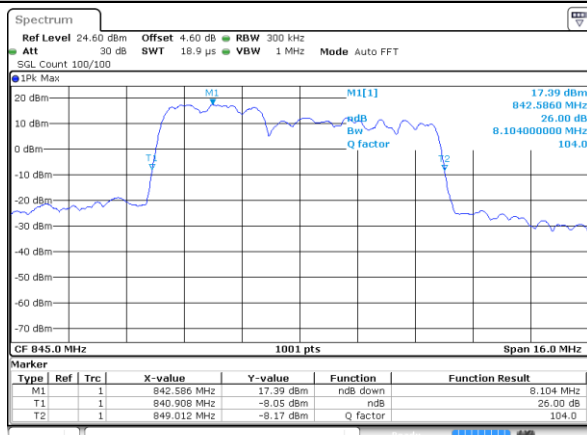
Middle Channel / 3MHz+5MHz



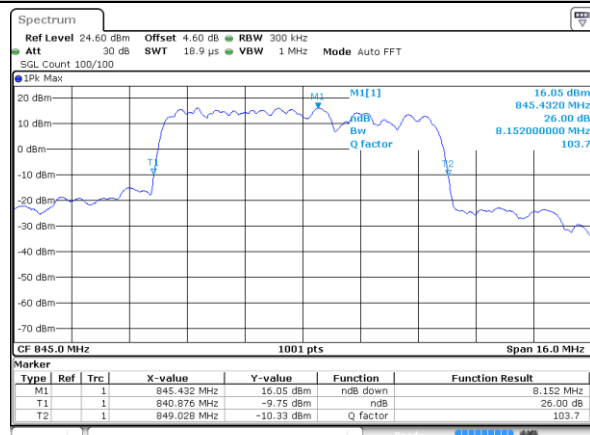
Middle Channel / 5MHz+3MHz



Highest Channel / 3MHz+5MHz



Highest Channel / 5MHz+3MHz

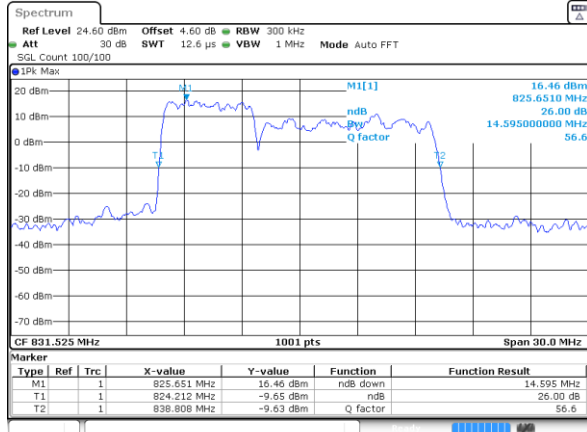




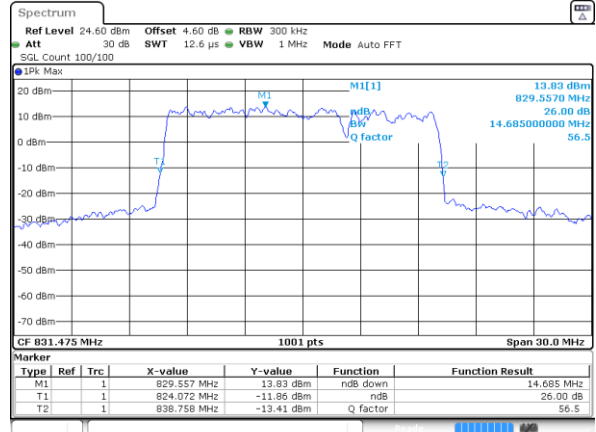
LTE Band 5B

64QAM

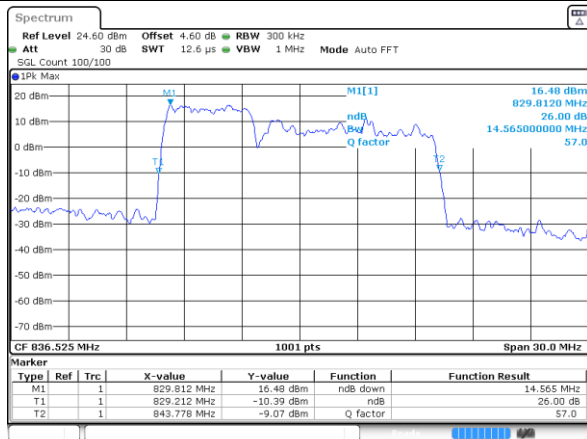
Lowest Channel / 5MHz+10MHz



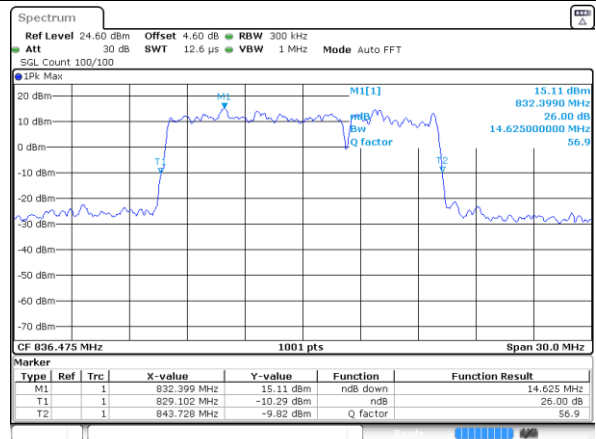
Lowest Channel / 10MHz+5MHz



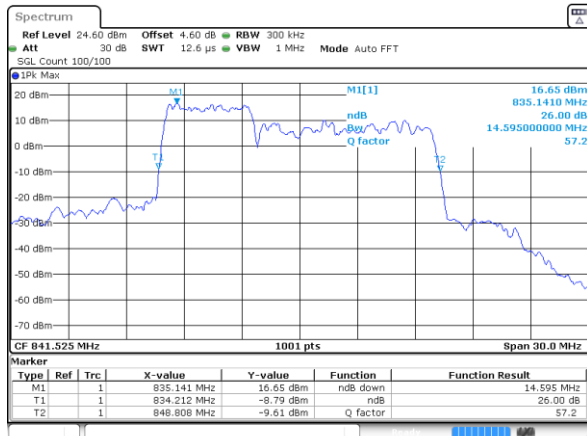
Middle Channel / 5MHz+10MHz



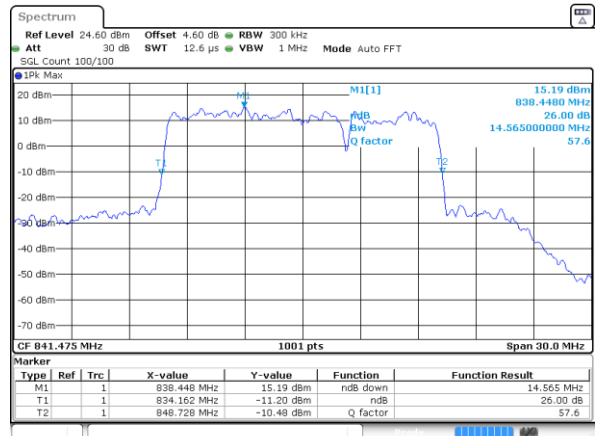
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



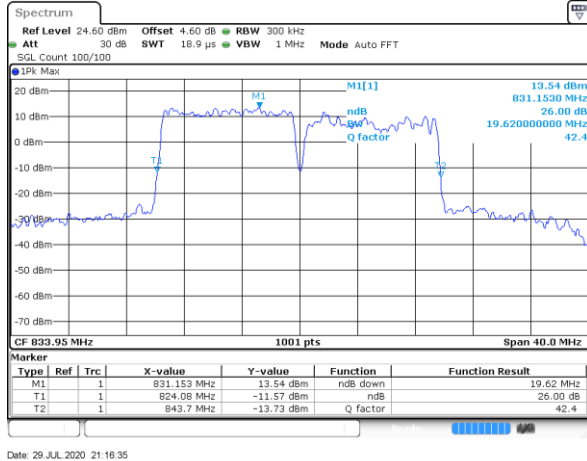


LTE Band 5B

64QAM

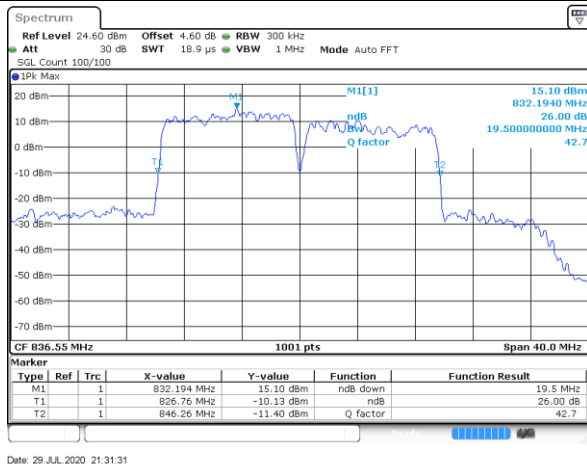
Lowest Channel / 10MHz+10MHz

N/A



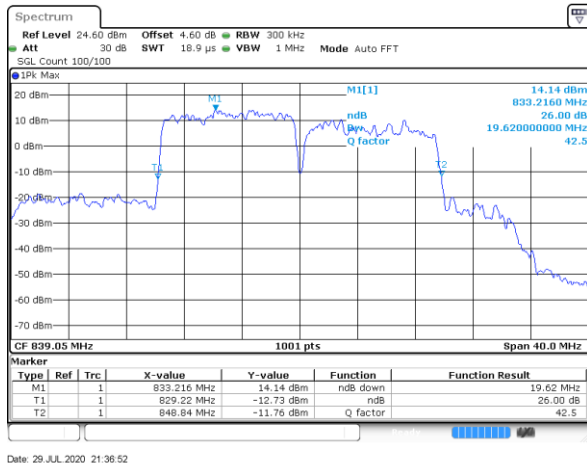
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A



**Occupied Bandwidth**

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	7.58	7.51	13.82
Middle CH	7.53	7.53	13.88
Highest CH	7.54	7.64	13.91
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.88	18.74	-
Middle CH	13.76	18.66	-
Highest CH	13.85	18.82	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	7.51	7.53	13.91
Middle CH	7.56	7.53	13.79
Highest CH	7.43	7.61	13.82
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.85	18.66	-
Middle CH	13.85	18.58	-
Highest CH	13.88	18.70	-

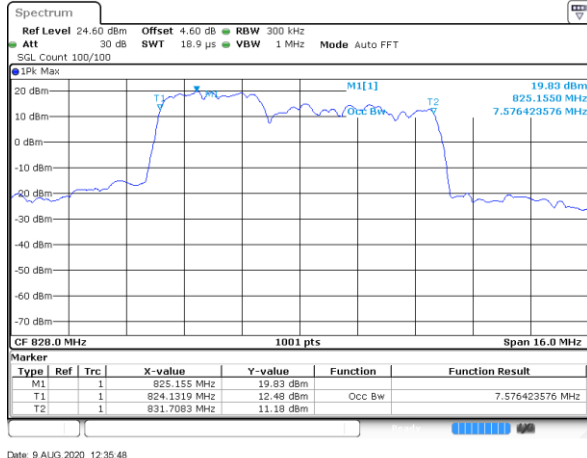
Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	7.50	7.58	13.67
Middle CH	7.51	7.56	13.73
Highest CH	7.53	7.54	13.70
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.91	18.66	-
Middle CH	13.88	18.62	-
Highest CH	13.97	18.66	-



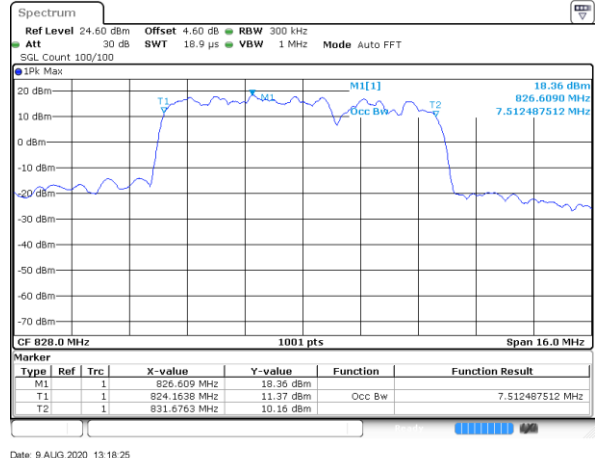
LTE Band 5B

QPSK

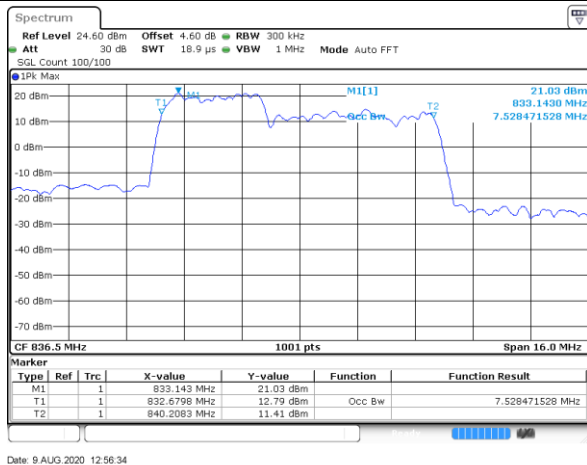
Lowest Channel / 3MHz+5MHz



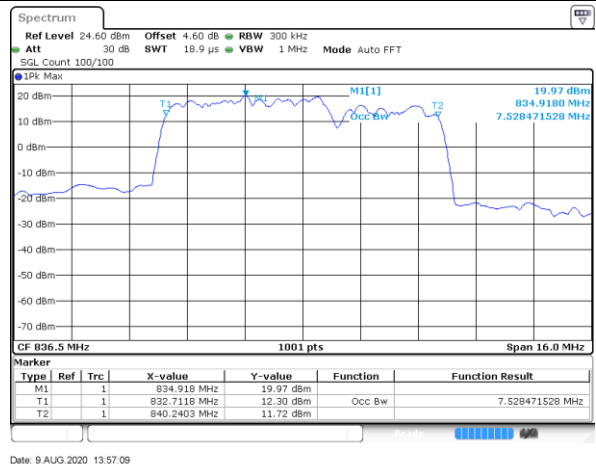
Lowest Channel / 5MHz+3MHz



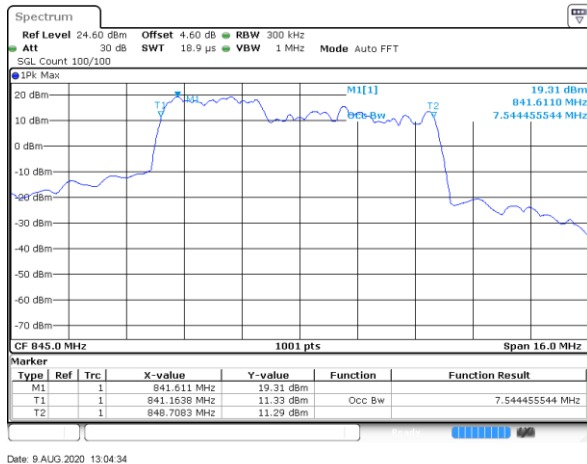
Middle Channel / 3MHz+5MHz



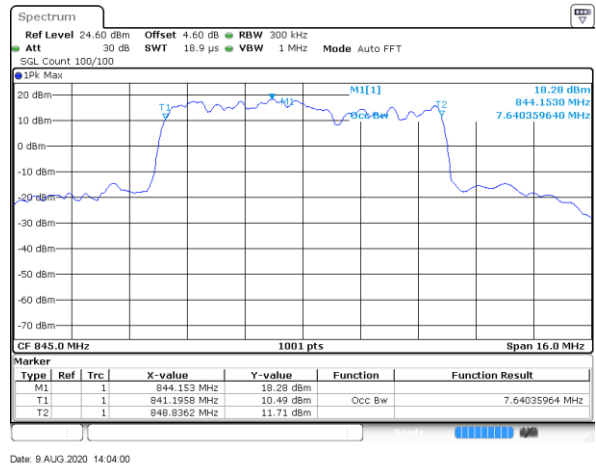
Middle Channel / 5MHz+3MHz



Highest Channel / 3MHz+5MHz



Highest Channel / 5MHz+3MHz

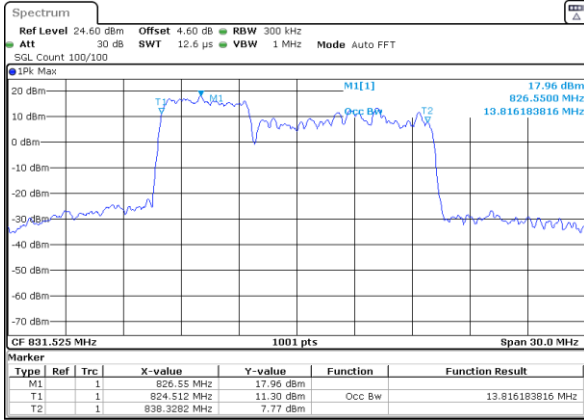




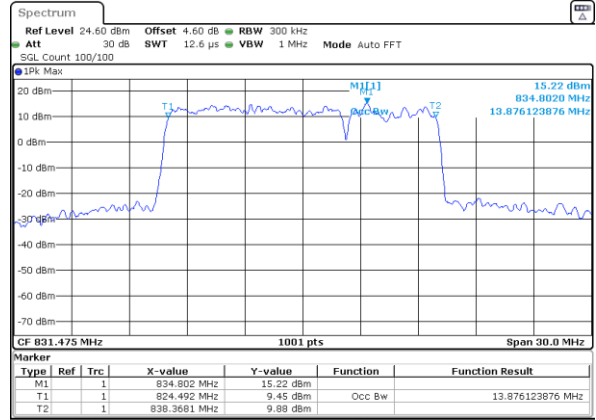
LTE Band 5B

QPSK

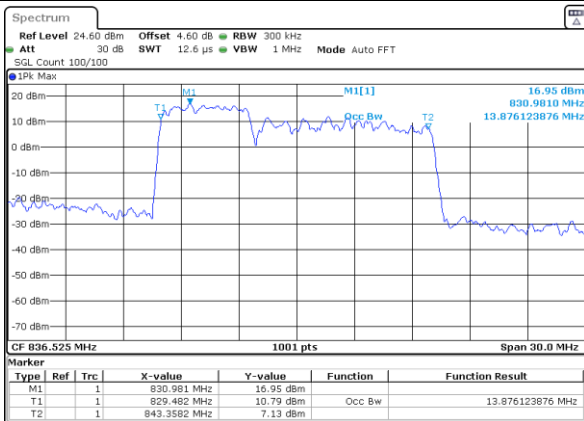
Lowest Channel / 5MHz+10MHz



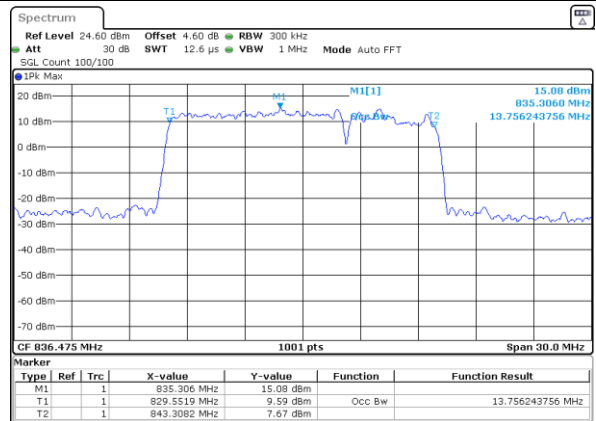
Lowest Channel / 10MHz+5MHz



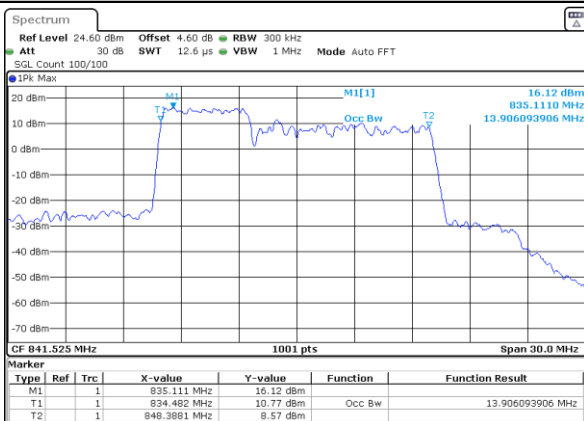
Middle Channel / 5MHz+10MHz



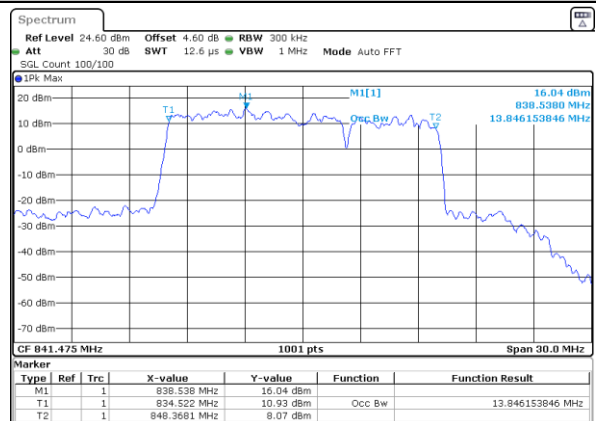
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



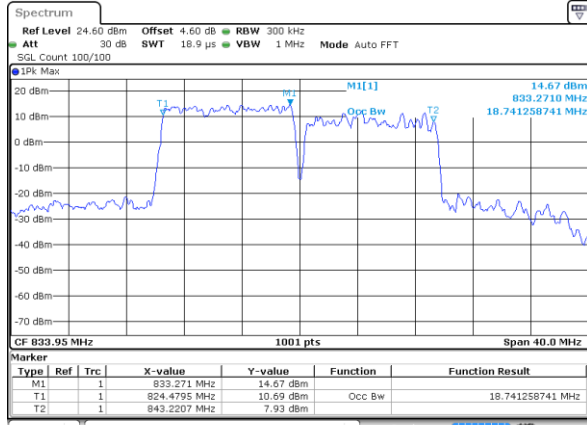


LTE Band 5B

QPSK

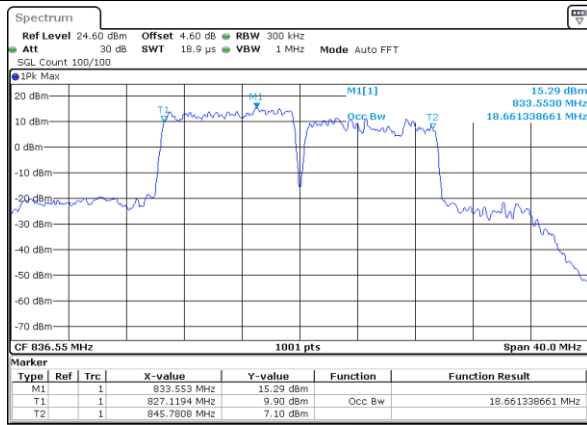
Lowest Channel / 10MHz+10MHz

N/A



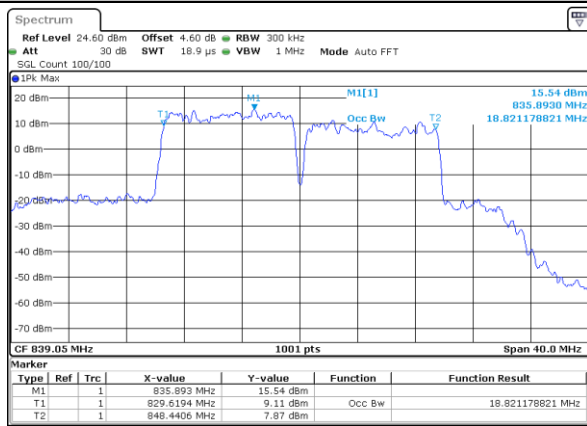
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

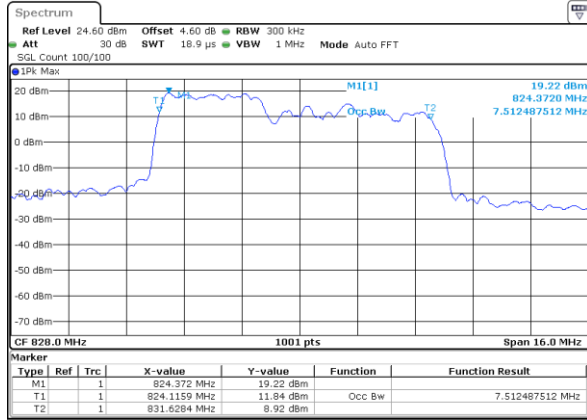




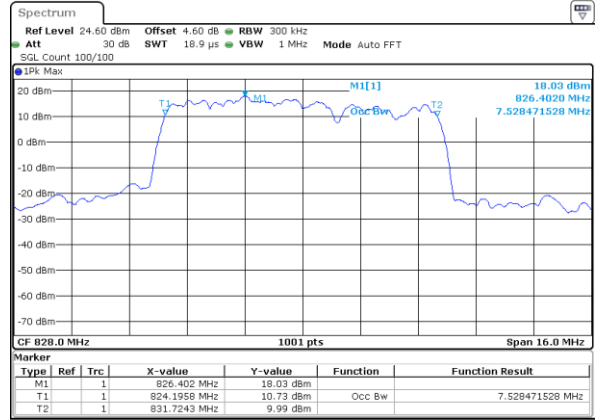
LTE Band 5B

16QAM

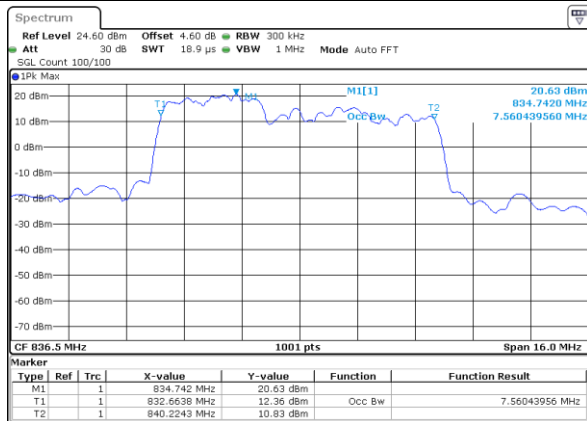
Lowest Channel / 3MHz+5MHz



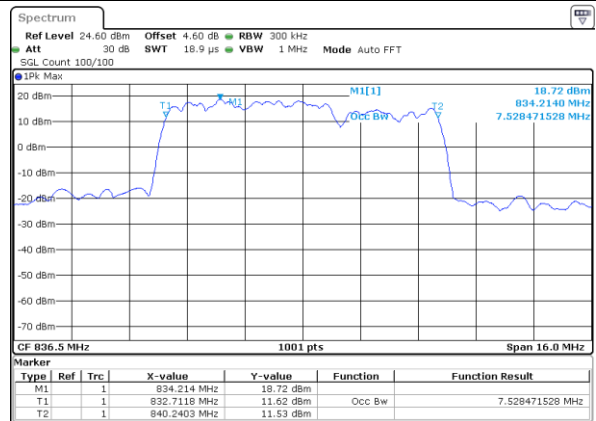
Lowest Channel / 5MHz+3MHz



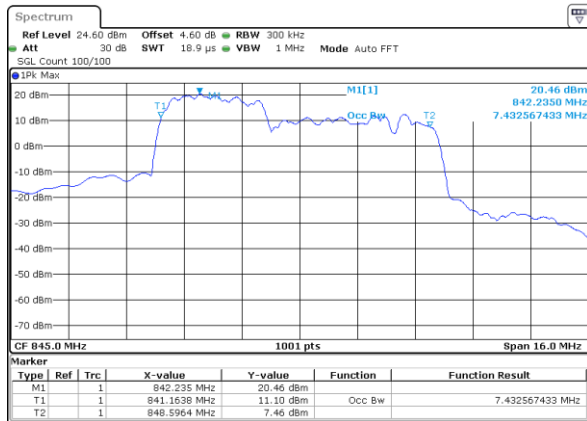
Middle Channel / 3MHz+5MHz



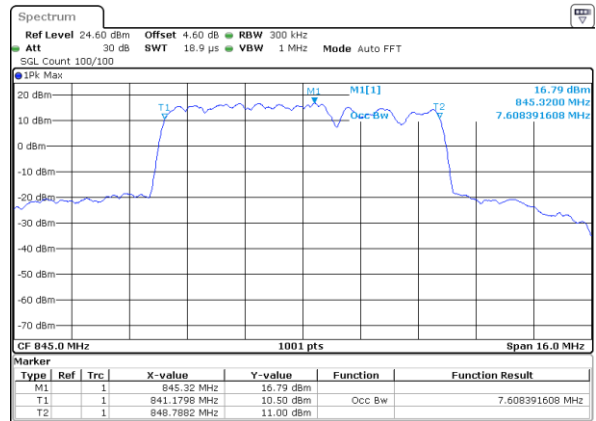
Middle Channel / 5MHz+3MHz



Highest Channel / 3MHz+5MHz



Highest Channel / 5MHz+3MHz

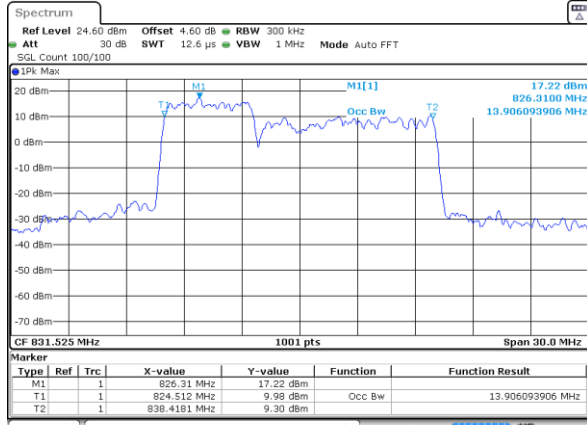




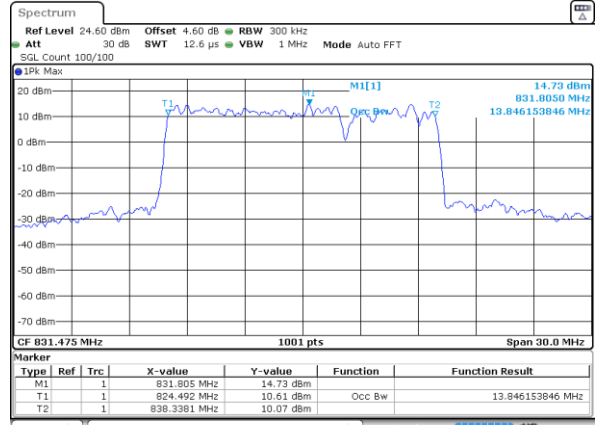
LTE Band 5B

16QAM

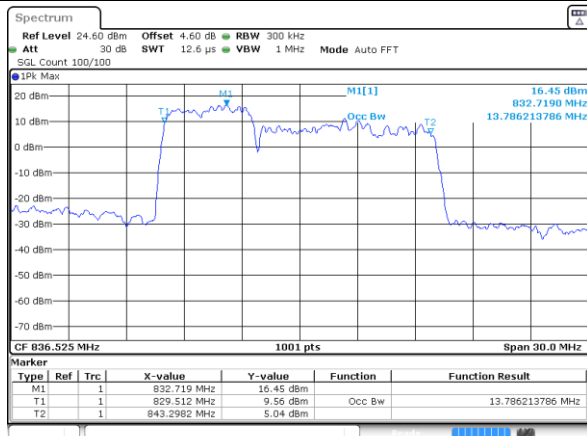
Lowest Channel / 5MHz+10MHz



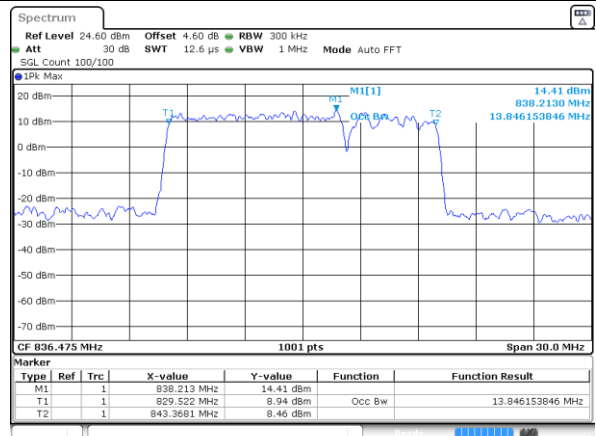
Lowest Channel / 10MHz+5MHz



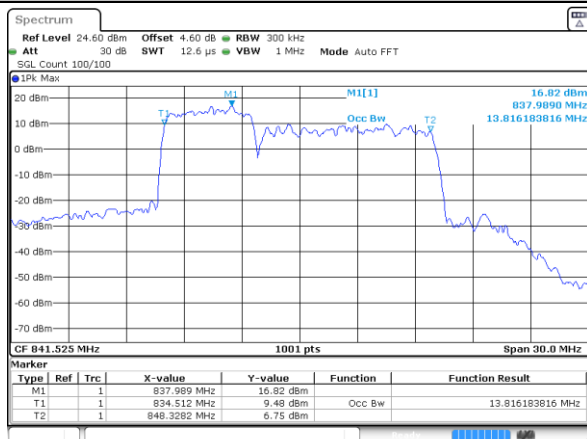
Middle Channel / 5MHz+10MHz



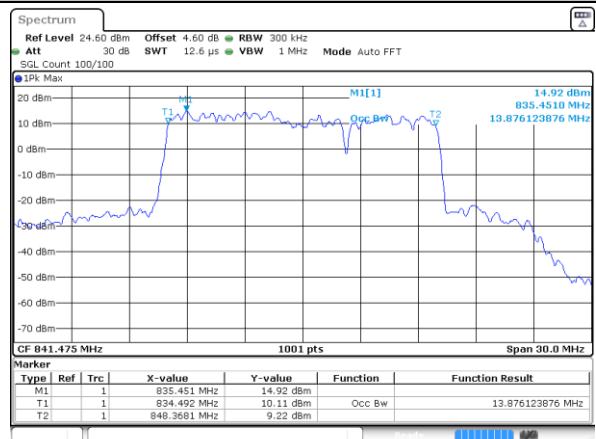
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



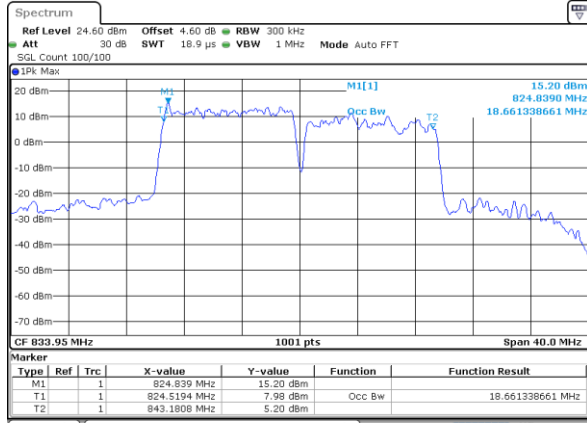


LTE Band 5B

16QAM

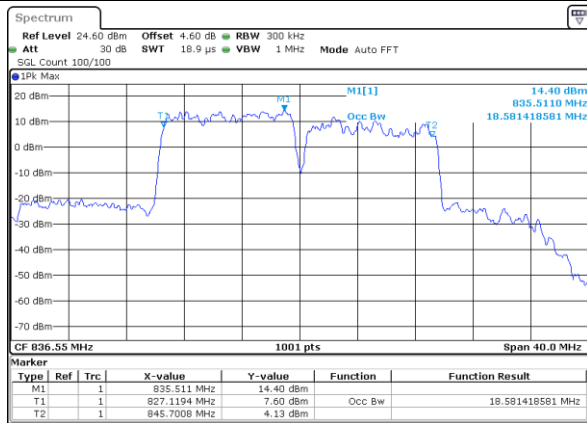
Lowest Channel / 10MHz+10MHz

N/A



Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

