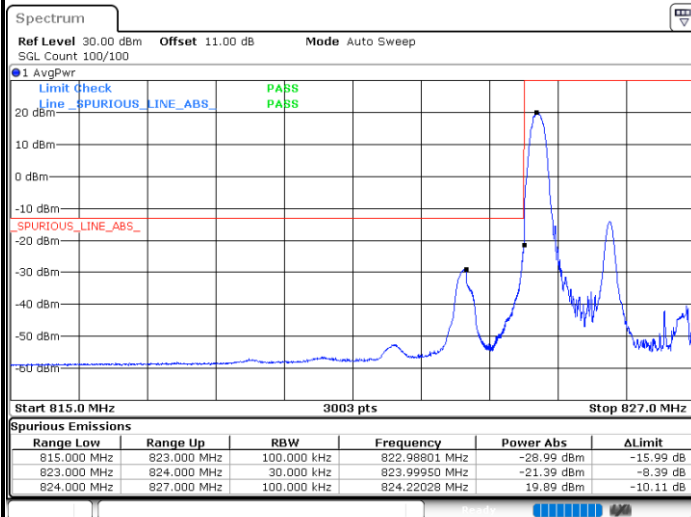


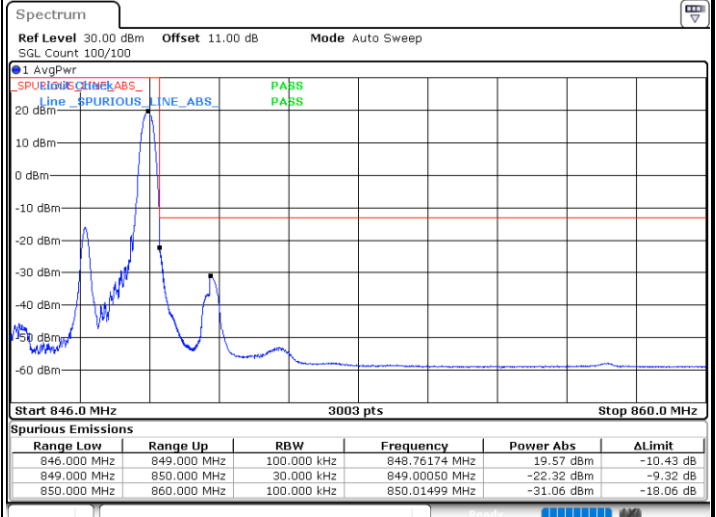


LTE Band 5 / 3MHz / 16QAM

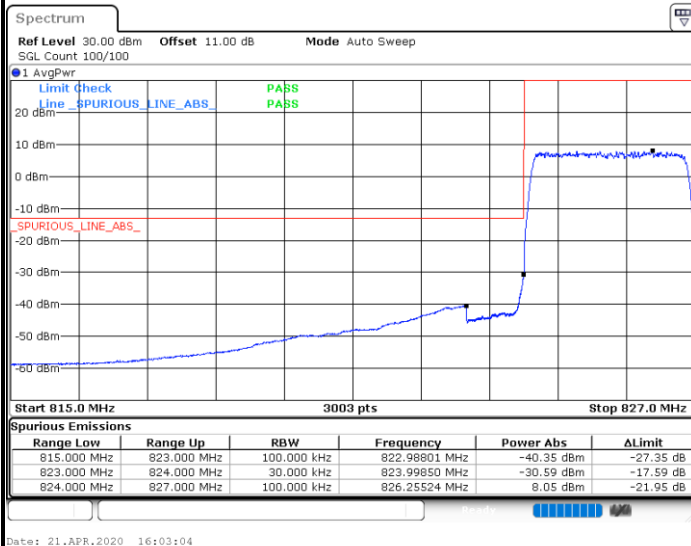
Lowest Band Edge / 1 RB



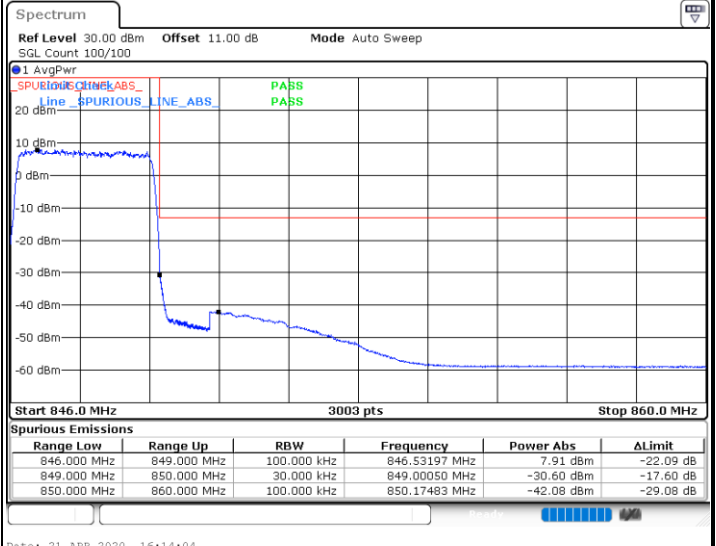
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



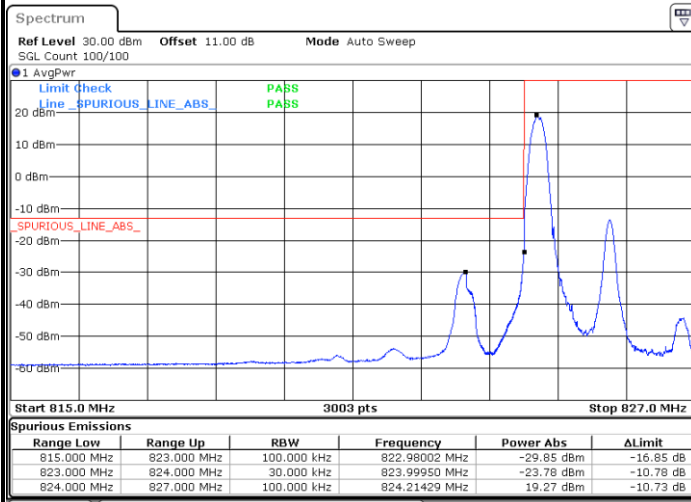
Highest Band Edge / Full RB



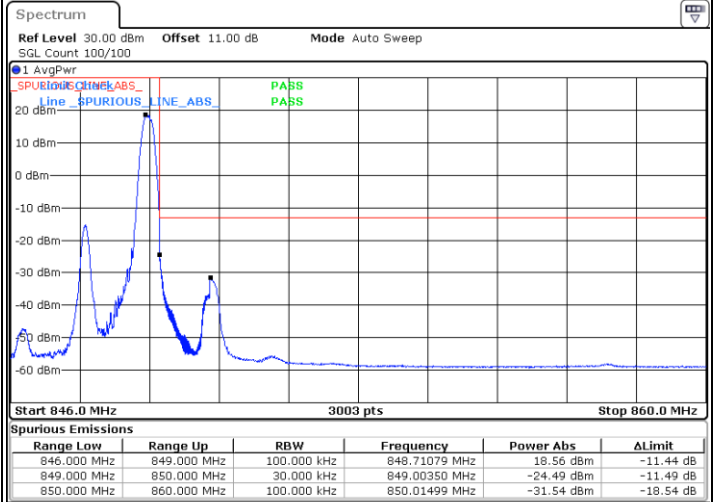


LTE Band 5 / 3MHz / 64QAM

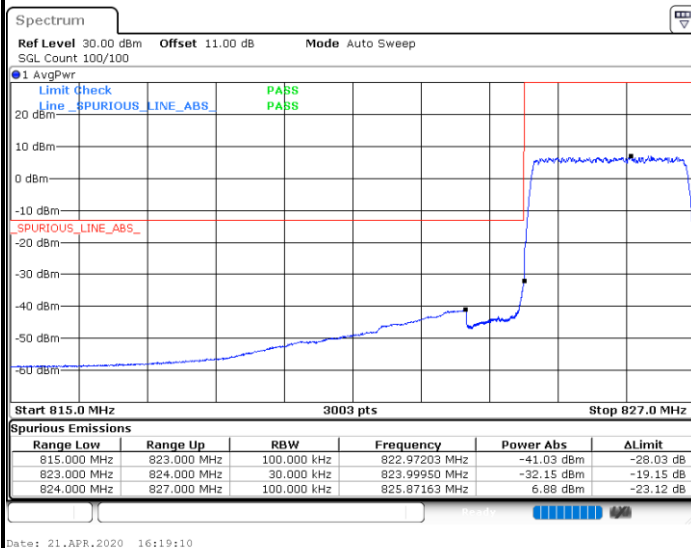
Lowest Band Edge / 1 RB



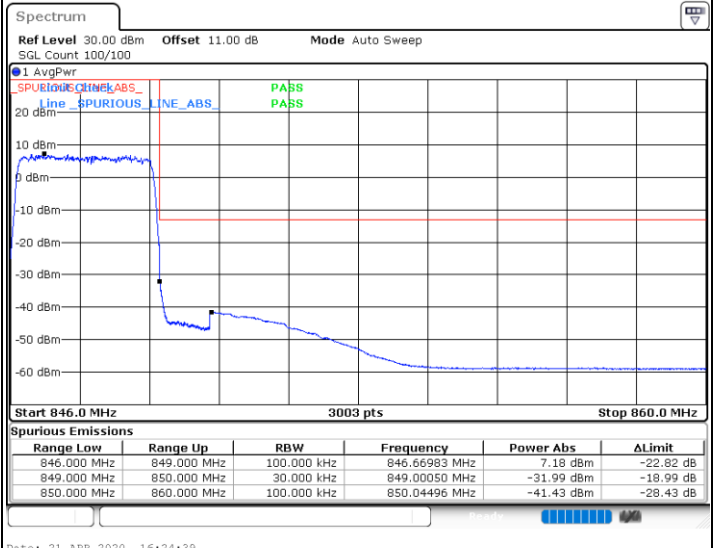
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



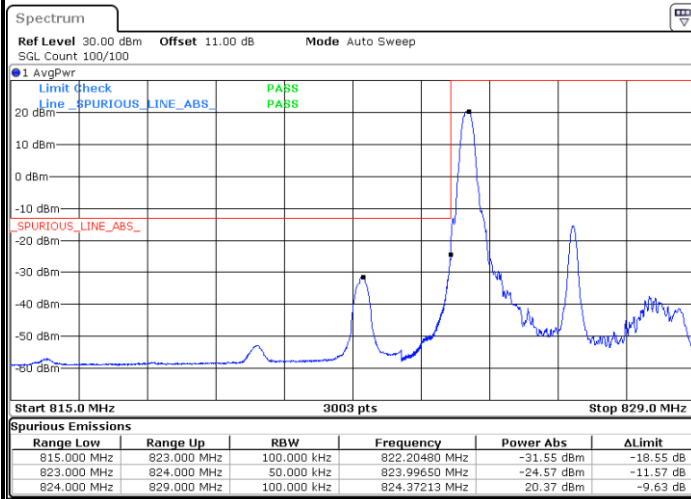
Highest Band Edge / Full RB



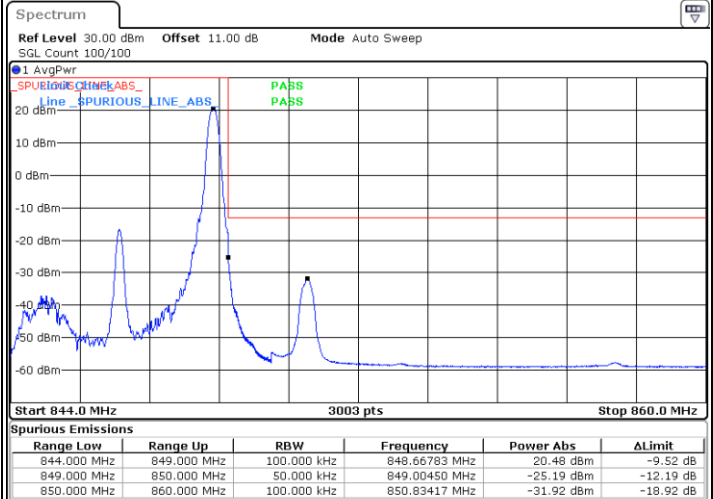


LTE Band 5 / 5MHz / QPSK

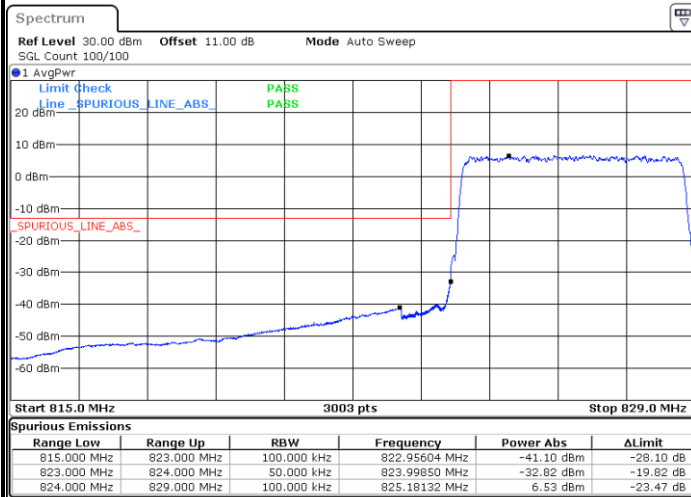
Lowest Band Edge / 1 RB



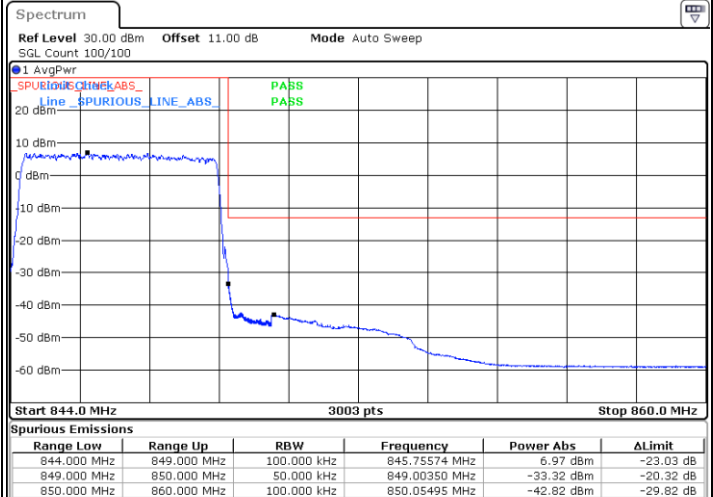
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



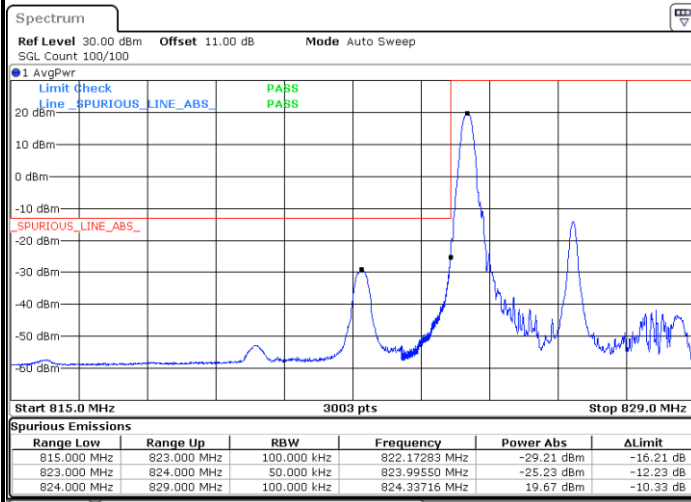
Highest Band Edge / Full RB



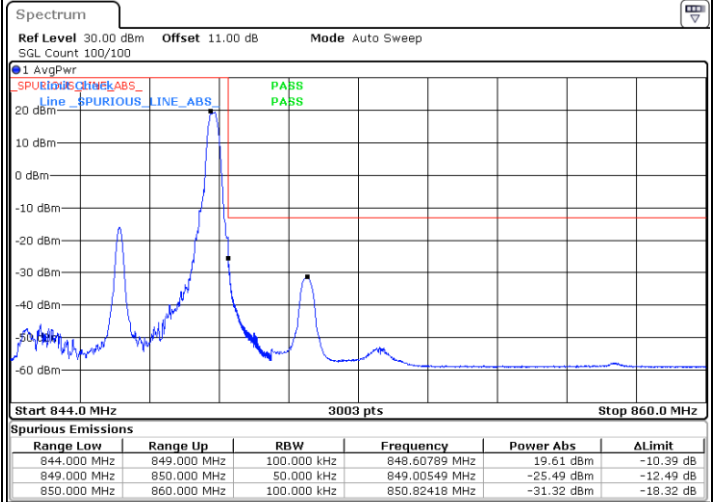


LTE Band 5 / 5MHz / 16QAM

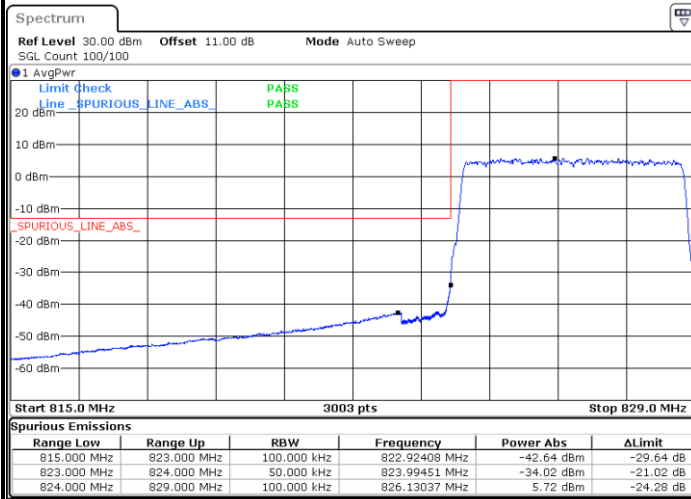
Lowest Band Edge / 1RB



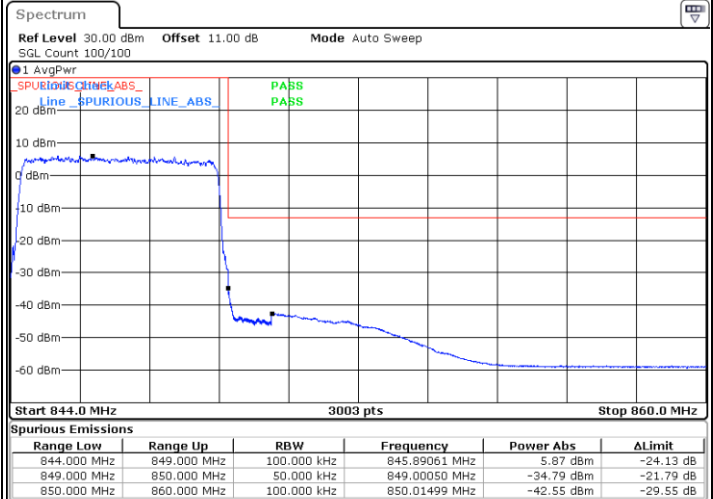
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



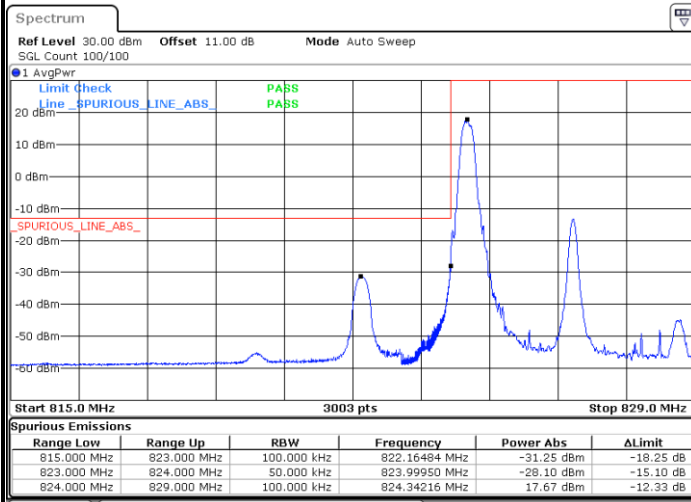
Highest Band Edge / Full RB



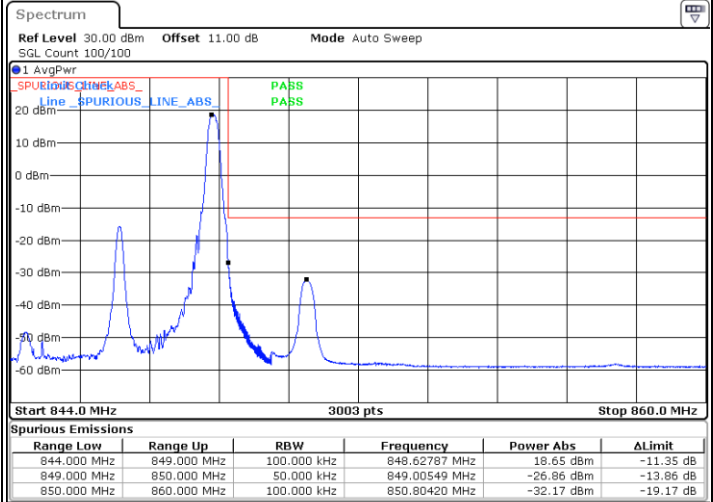


LTE Band 5 / 5MHz / 64QAM

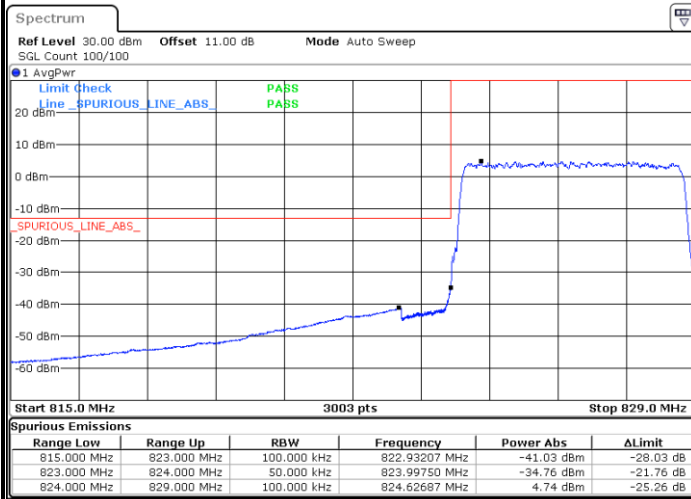
Lowest Band Edge / 1RB



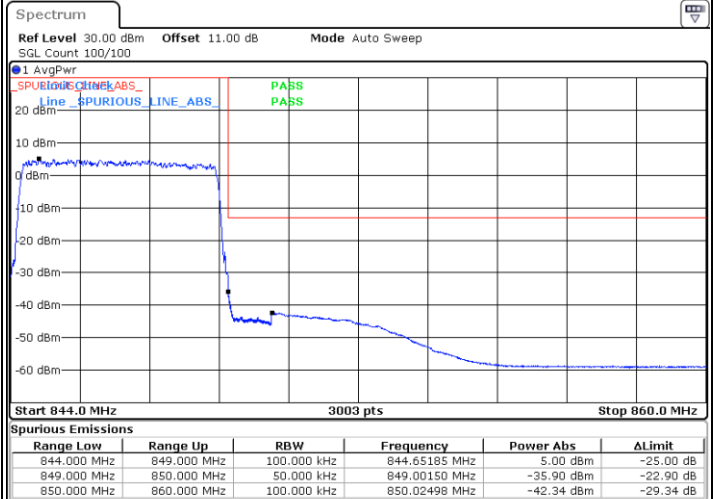
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



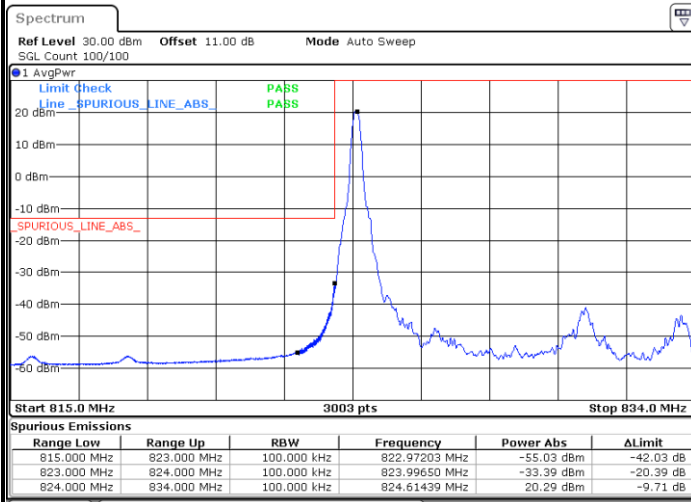
Highest Band Edge / Full RB



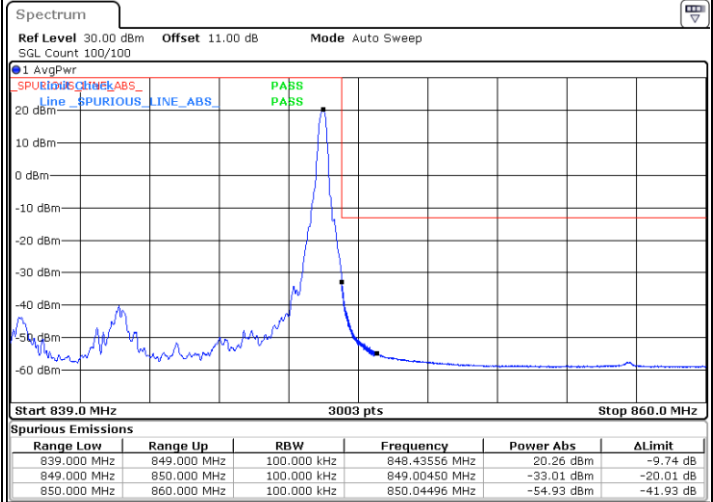


LTE Band 5 / 10MHz / QPSK

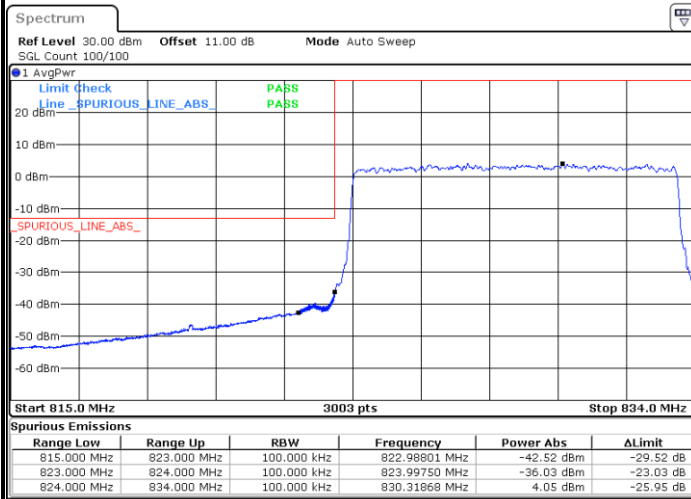
Lowest Band Edge / 1 RB



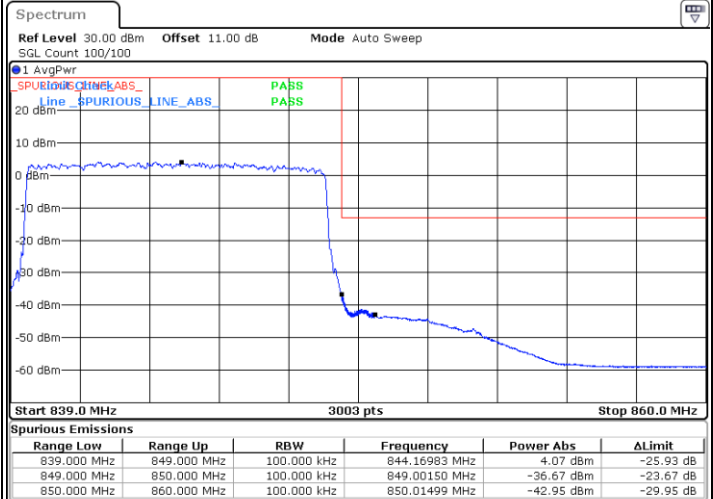
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



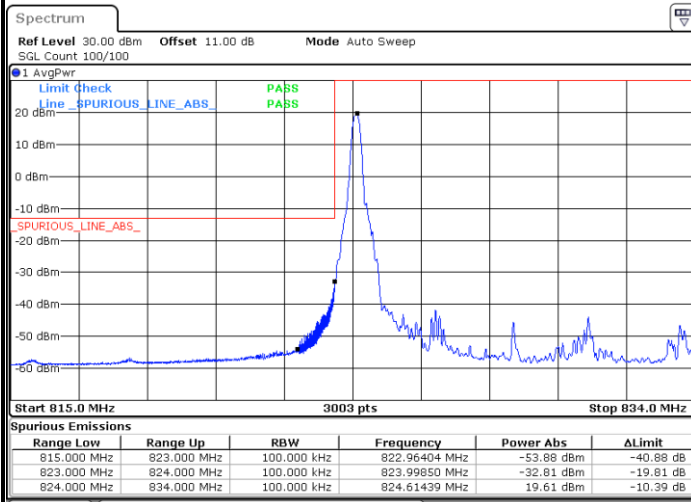
Highest Band Edge / Full RB



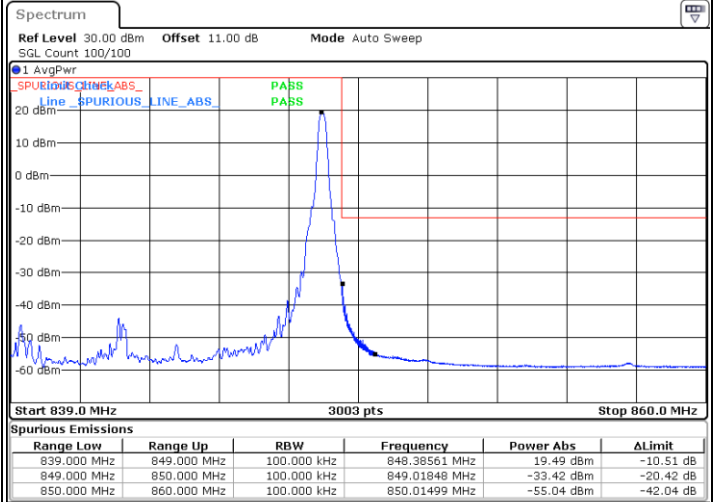


LTE Band 5 / 10MHz / 16QAM

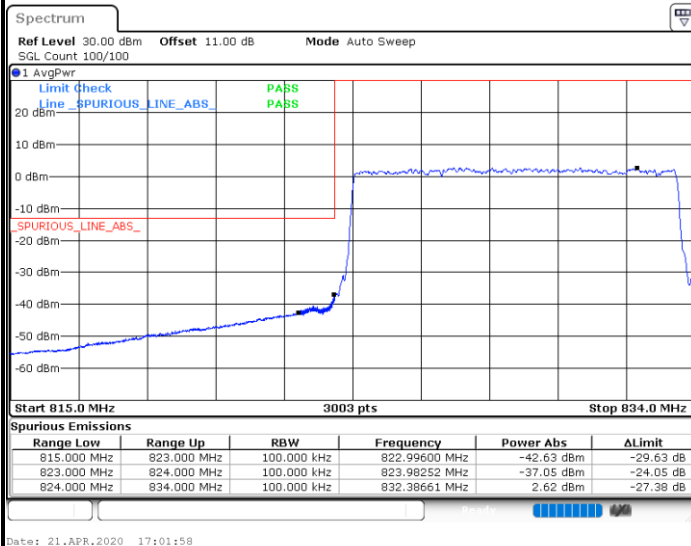
Lowest Band Edge / 1 RB



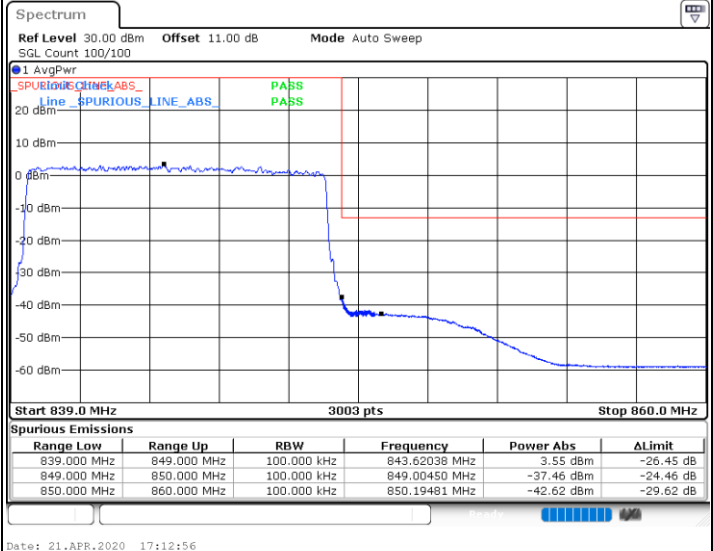
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



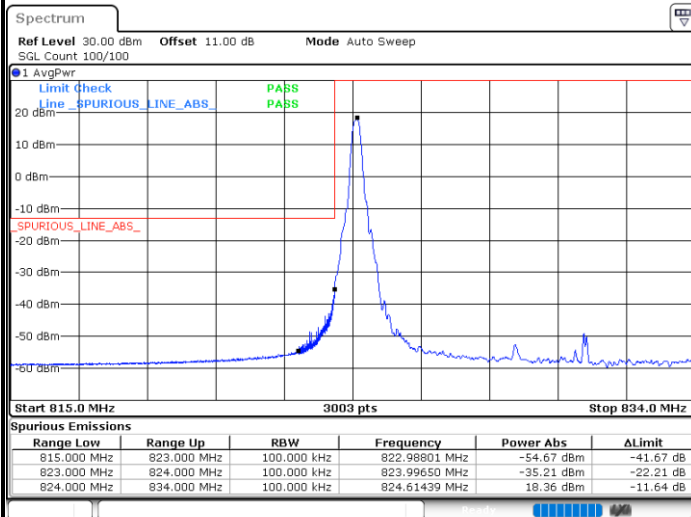
Highest Band Edge / Full RB



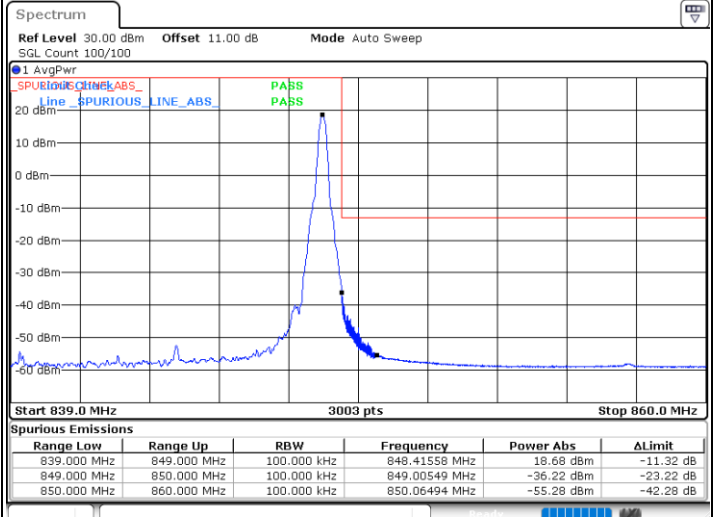


LTE Band 5 / 10MHz / 64QAM

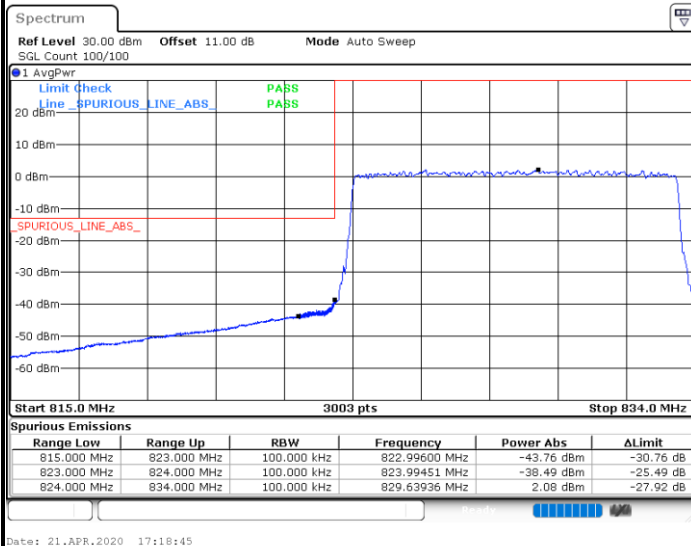
Lowest Band Edge / 1 RB



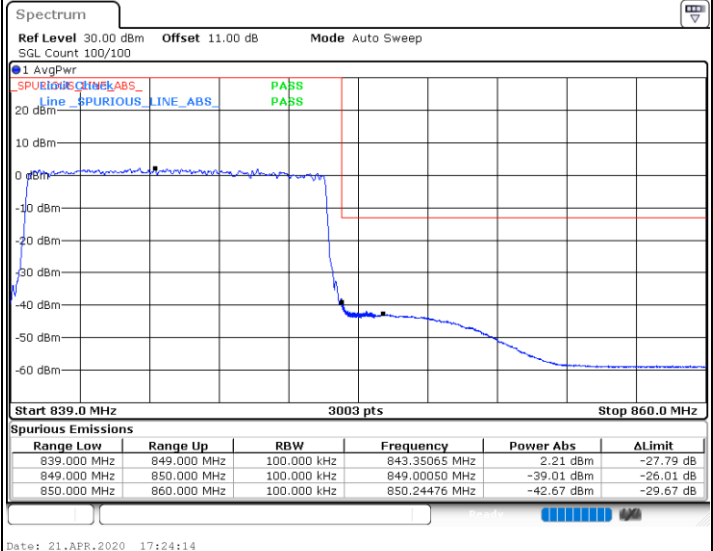
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

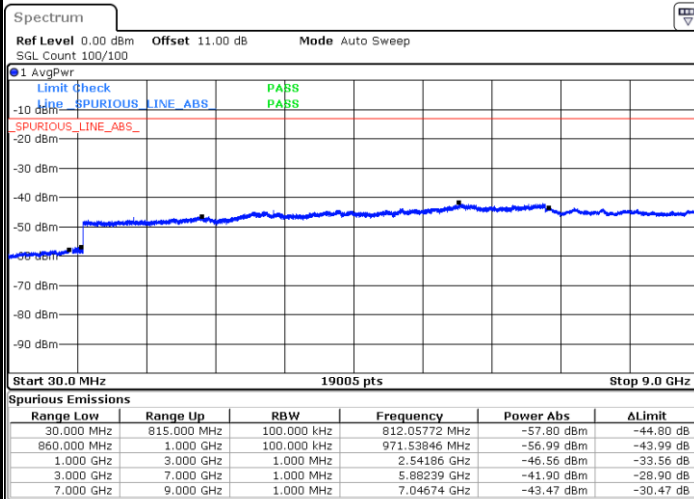




Conducted Spurious Emission

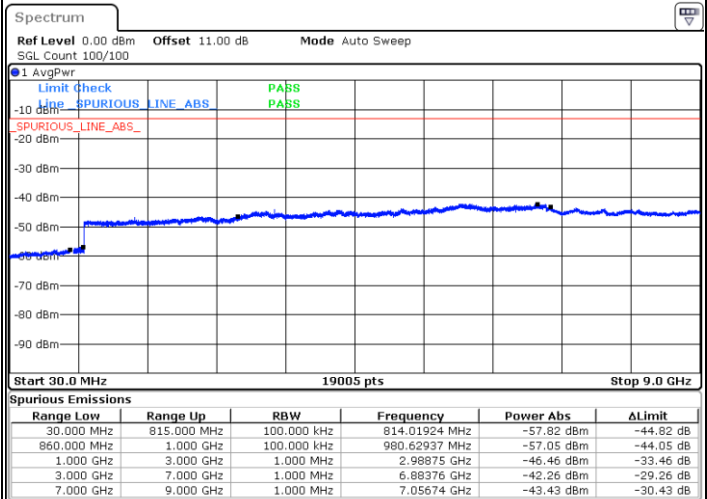
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



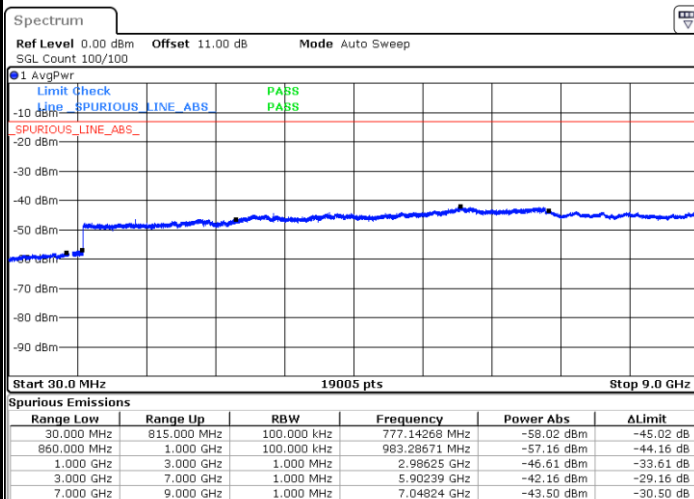
Date: 21.APR.2020 15:33:58

Lowest Channel / 16QAM



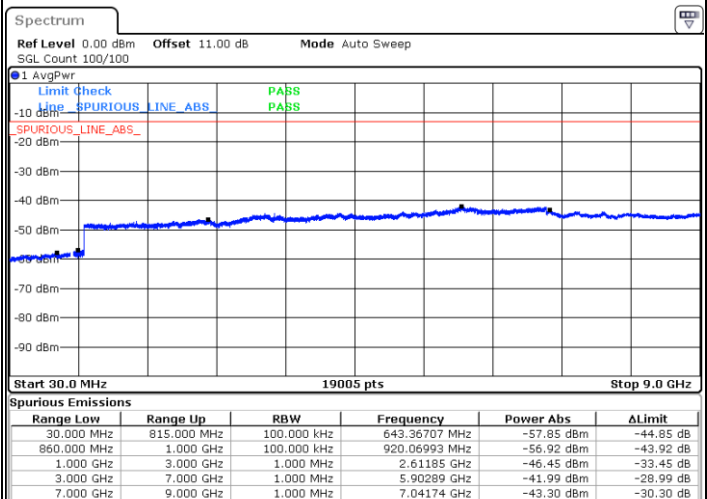
Date: 21.APR.2020 15:34:39

Middle Channel / QPSK



Date: 21.APR.2020 15:36:06

Middle Channel / 16QAM

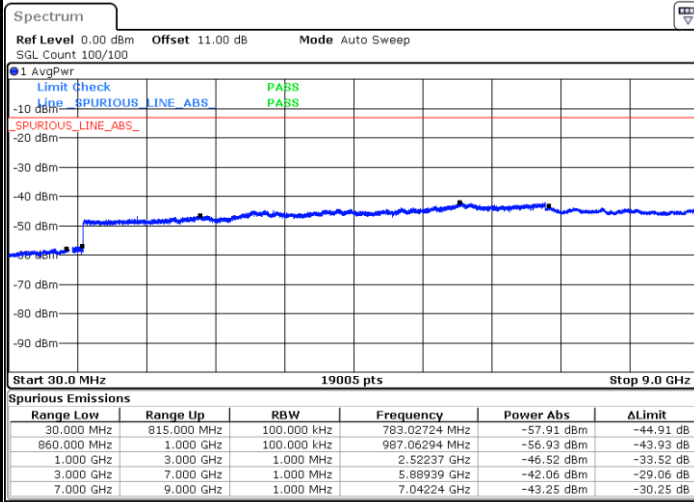


Date: 21.APR.2020 15:36:46



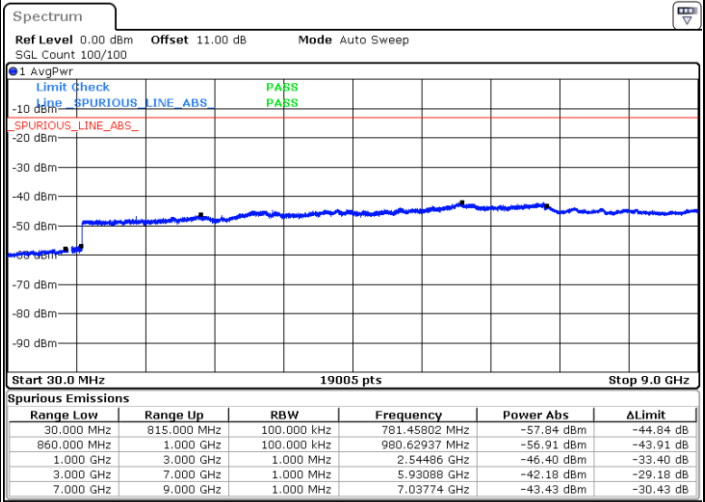
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 21.APR.2020 15:44:58

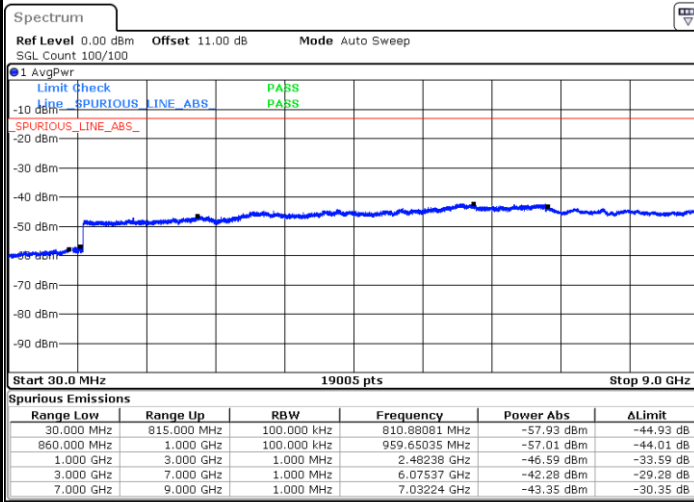
Highest Channel / 16QAM



Date: 21.APR.2020 15:45:38

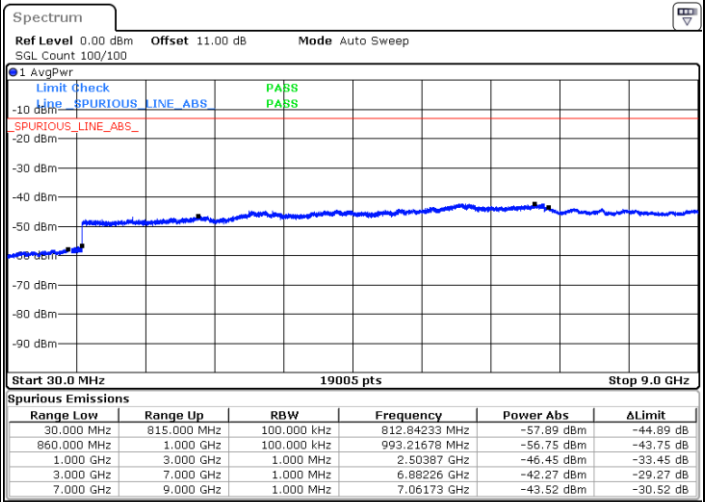
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 21.APR.2020 16:03:45

Lowest Channel / 16QAM

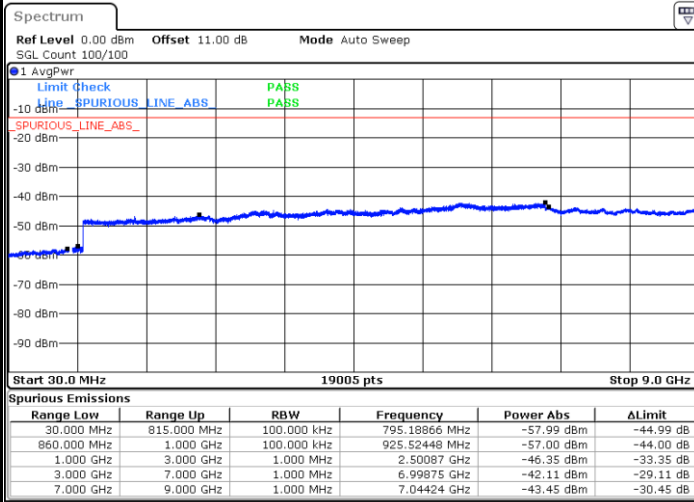


Date: 21.APR.2020 16:04:26



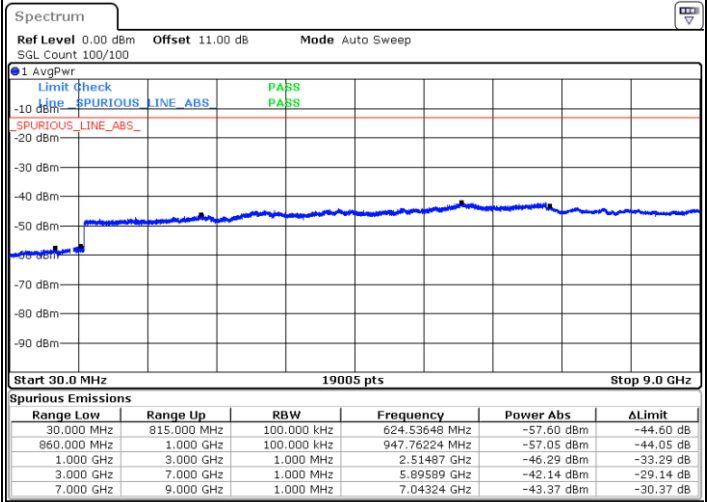
LTE Band 5 / 3MHz

Middle Channel / QPSK



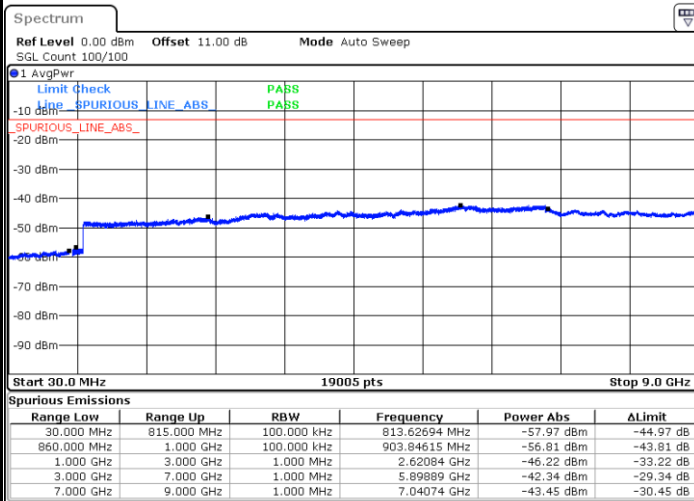
Date: 21.APR.2020 16:05:53

Middle Channel / 16QAM



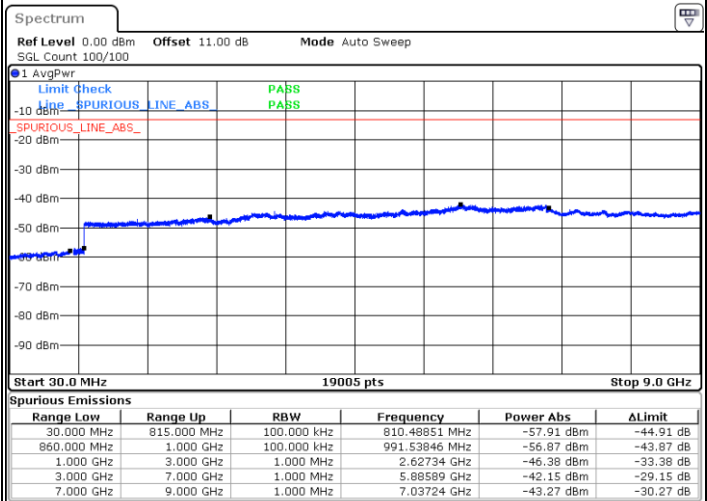
Date: 21.APR.2020 16:06:33

Highest Channel / QPSK



Date: 21.APR.2020 16:14:45

Highest Channel / 16QAM

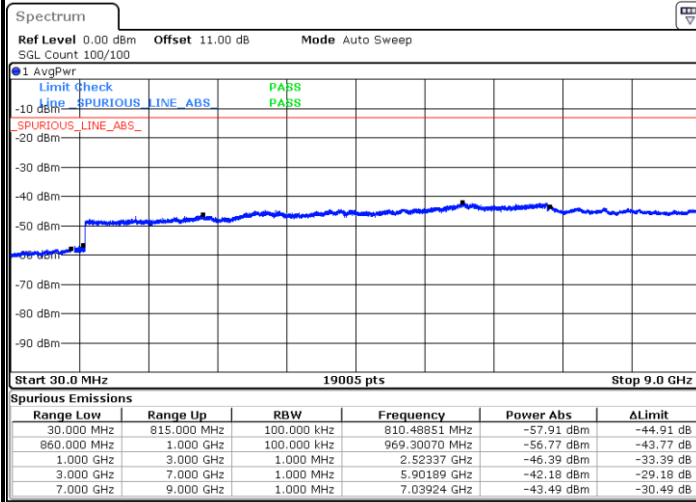


Date: 21.APR.2020 16:15:26



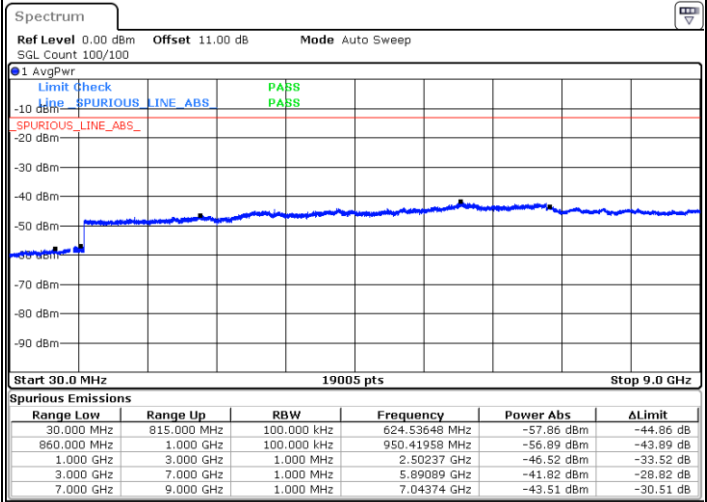
LTE Band 5 / 5MHz

Lowest Channel / QPSK



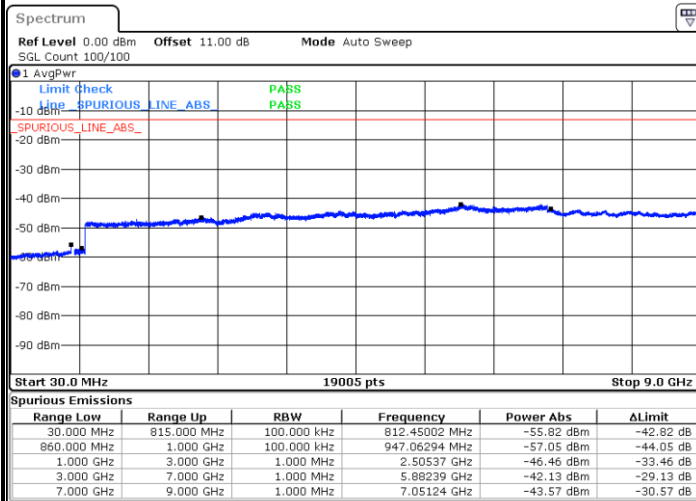
Date: 21.APR.2020 16:33:32

Lowest Channel / 16QAM



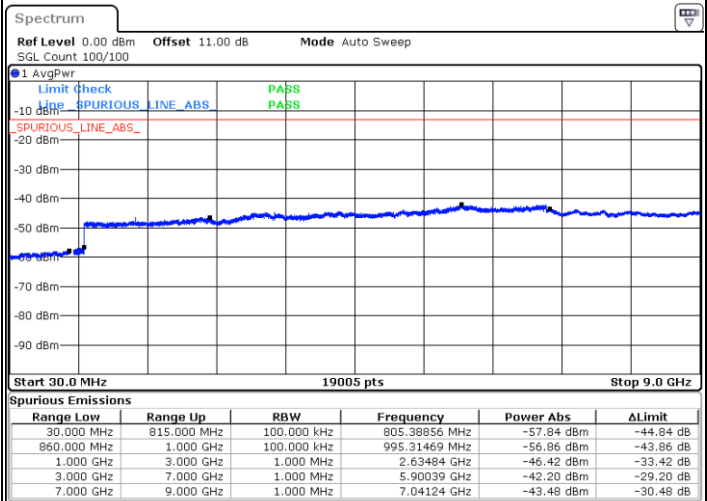
Date: 21.APR.2020 16:34:13

Middle Channel / QPSK



Date: 21.APR.2020 16:35:40

Middle Channel / 16QAM

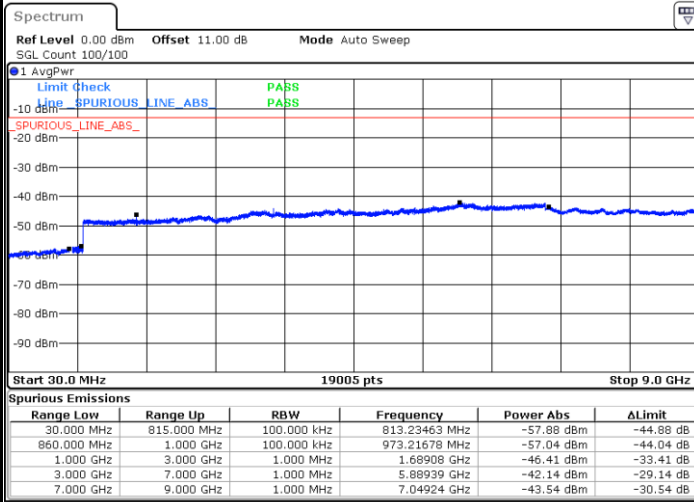


Date: 21.APR.2020 16:36:20



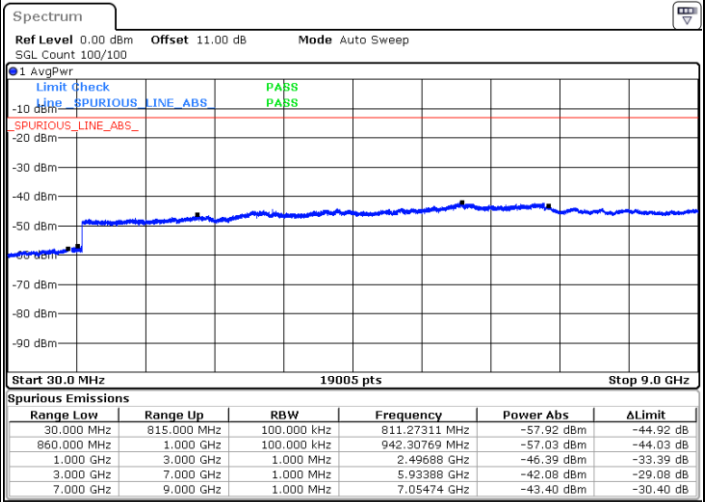
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 21.APR.2020 16:44:32

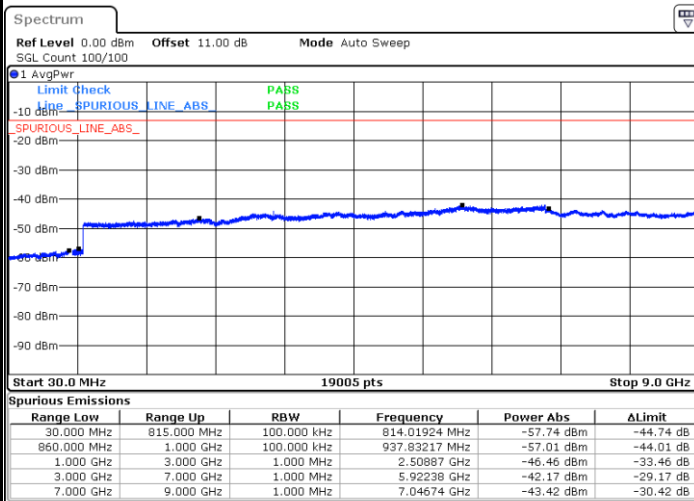
Highest Channel / 16QAM



Date: 21.APR.2020 16:45:12

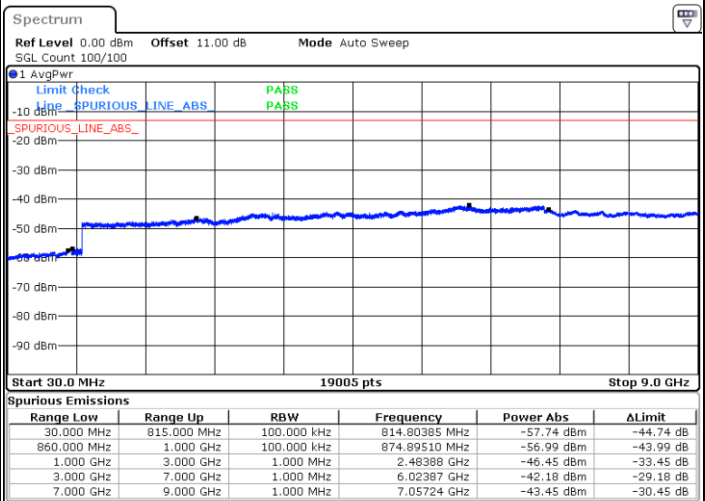
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 21.APR.2020 17:02:39

Lowest Channel / 16QAM

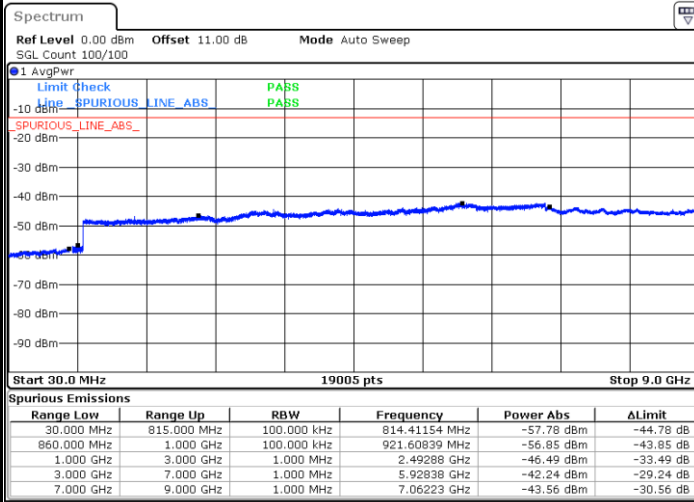


Date: 21.APR.2020 17:03:19



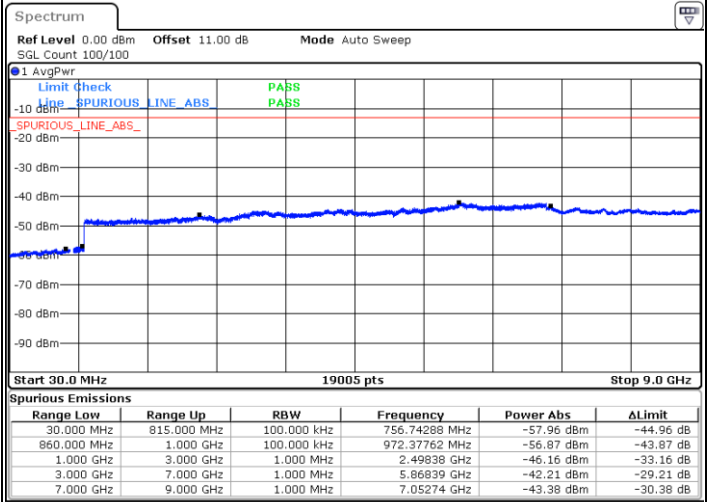
LTE Band 5 / 10MHz

Middle Channel / QPSK



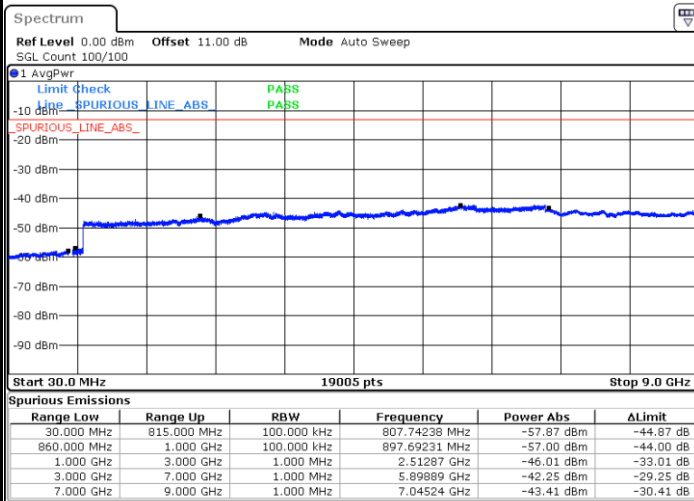
Date: 21.APR.2020 17:04:46

Middle Channel / 16QAM



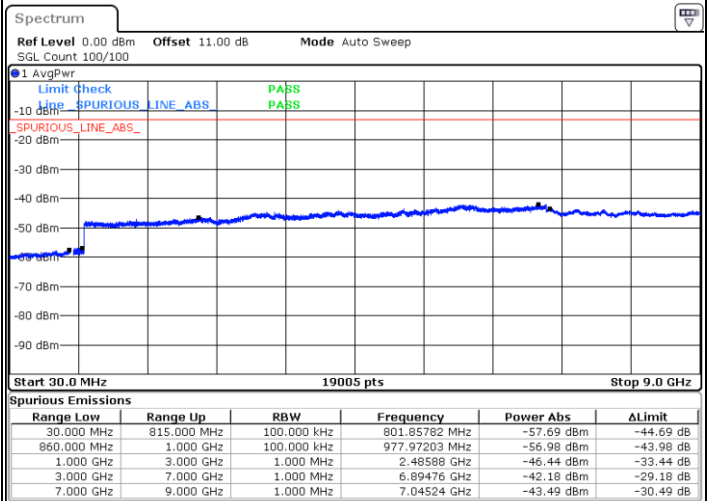
Date: 21.APR.2020 17:05:26

Highest Channel / QPSK



Date: 21.APR.2020 17:13:37

Highest Channel / 16QAM

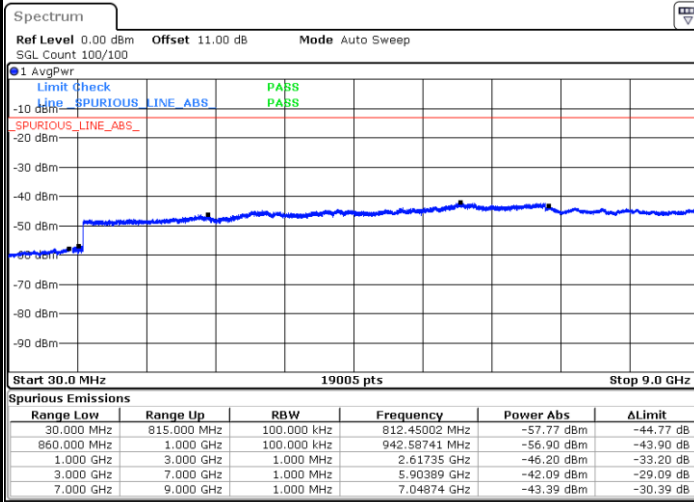


Date: 21.APR.2020 17:14:18



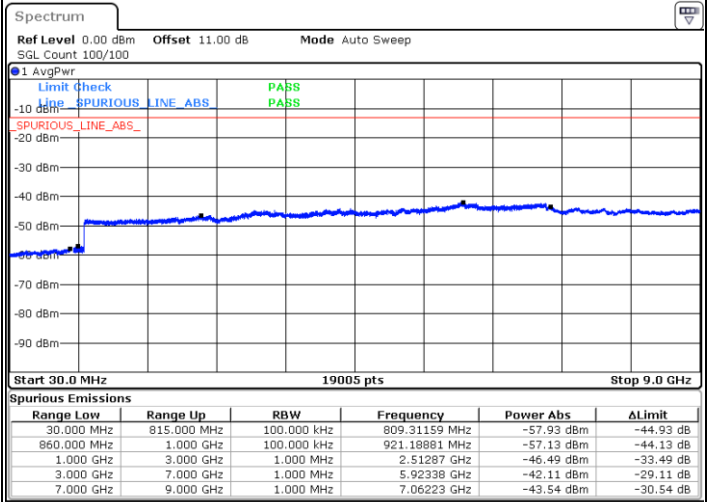
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



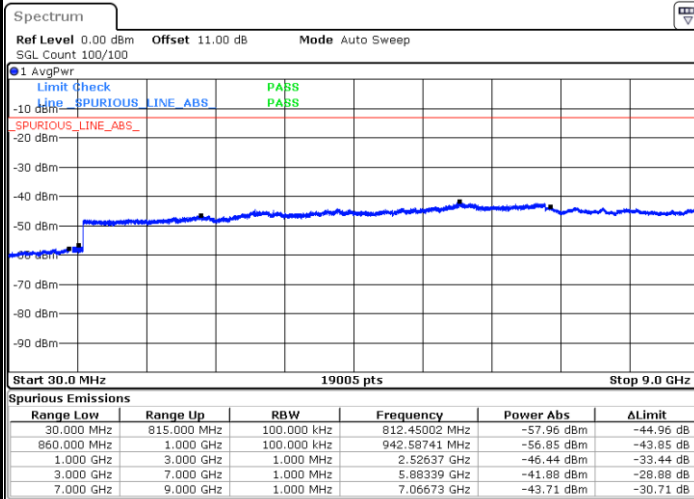
Date: 21.APR.2020 15:50:04

Middle Channel / 64QAM



Date: 21.APR.2020 15:51:08

Highest Channel / 64QAM

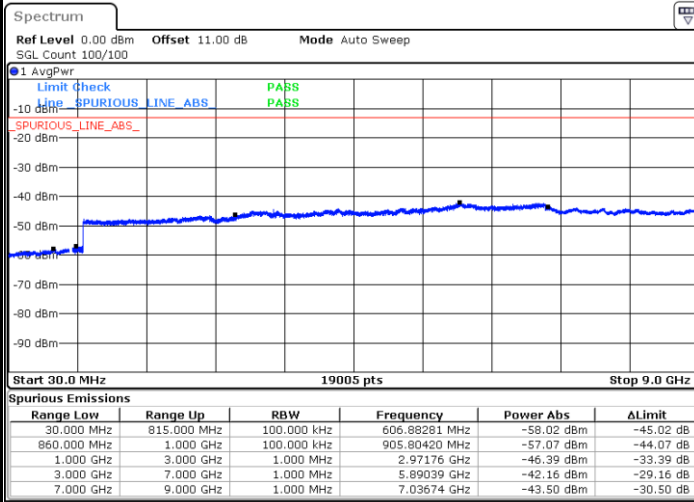


Date: 21.APR.2020 15:55:33



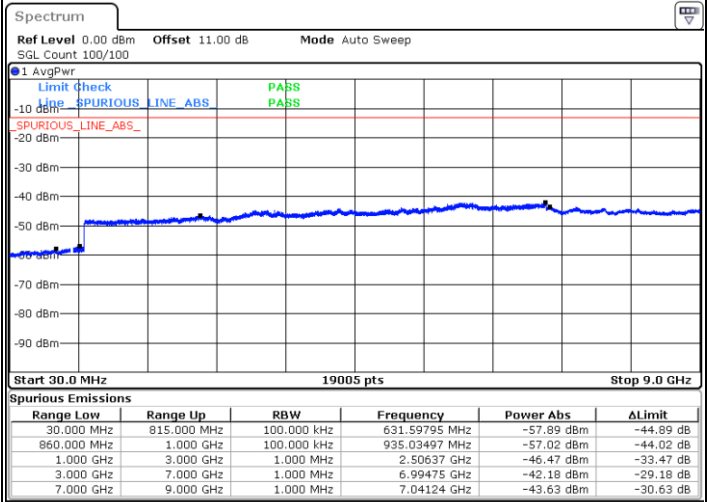
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



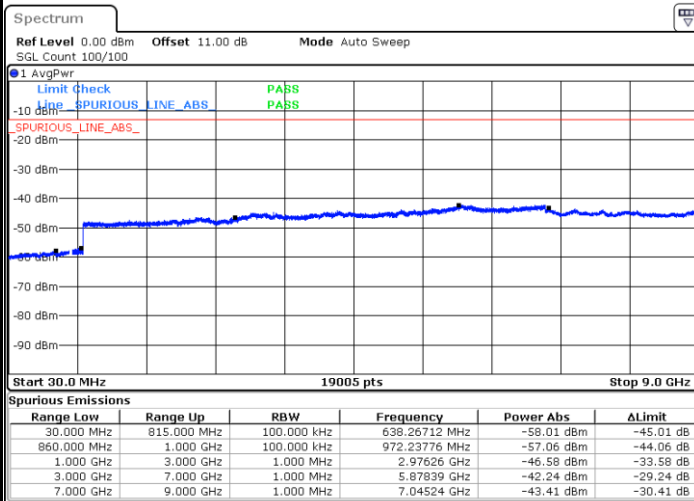
Date: 21.APR.2020 16:19:51

Middle Channel / 64QAM



Date: 21.APR.2020 16:20:55

Highest Channel / 64QAM

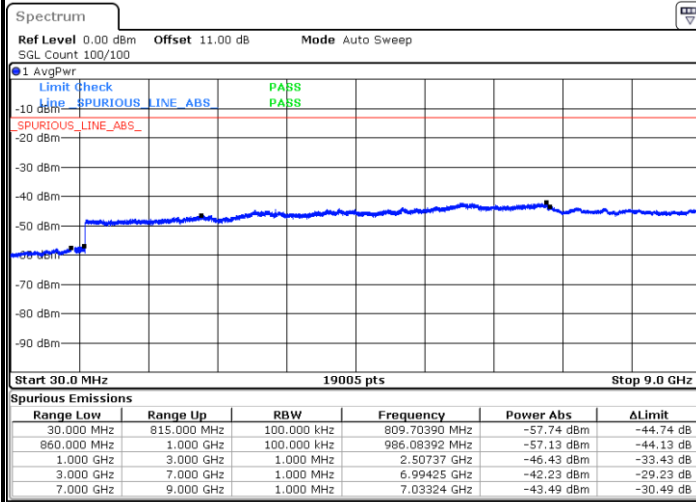


Date: 21.APR.2020 16:25:20



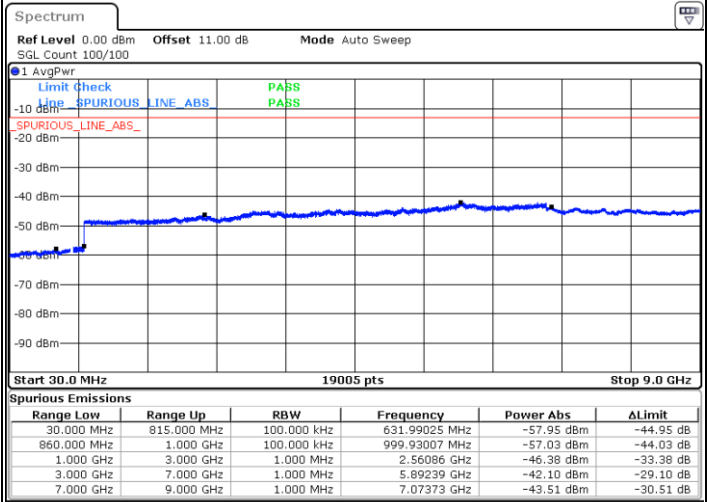
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



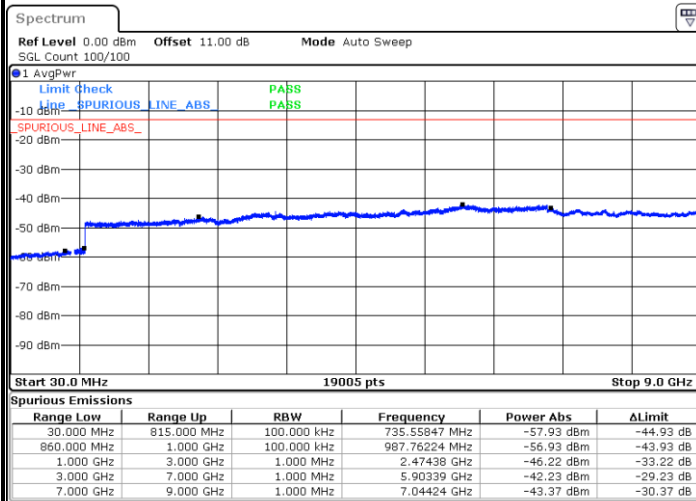
Date: 21.APR.2020 16:49:38

Middle Channel / 64QAM



Date: 21.APR.2020 16:50:41

Highest Channel / 64QAM

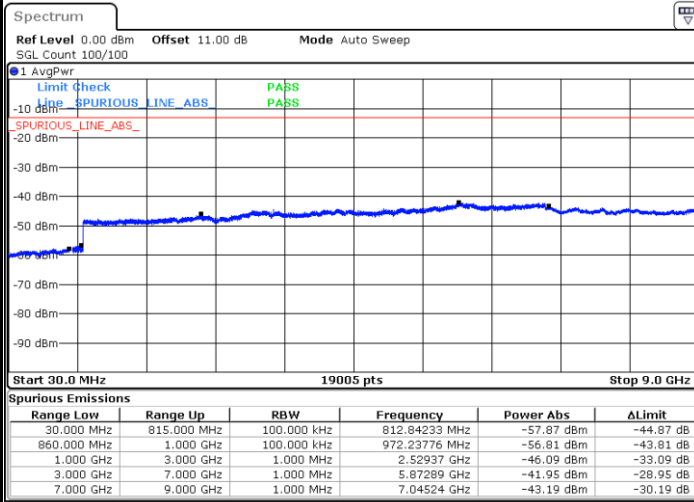


Date: 21.APR.2020 17:15:00



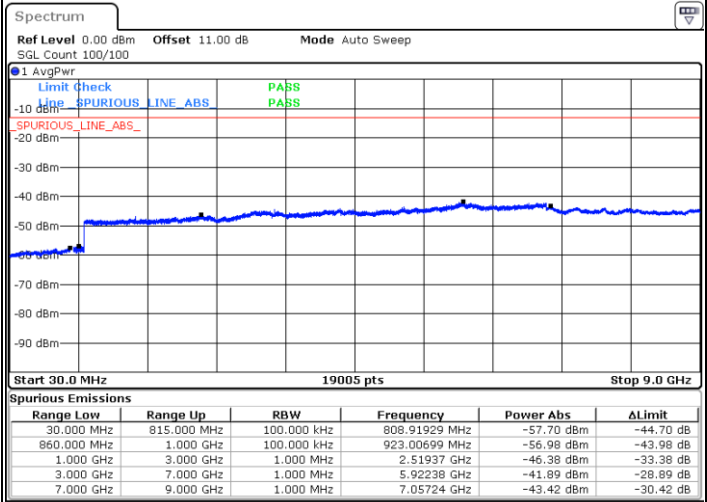
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



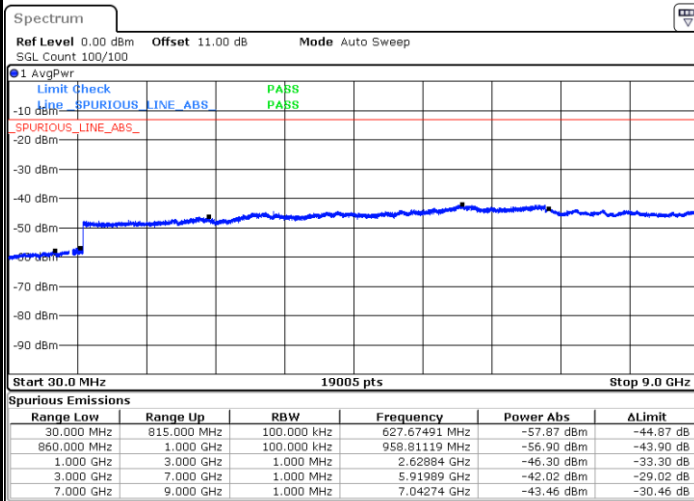
Date: 21.APR.2020 17:19:26

Middle Channel / 64QAM



Date: 21.APR.2020 17:20:29

Highest Channel / 64QAM



Date: 21.APR.2020 17:24:55

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0071	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0068	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0134	
-20	Normal Voltage	0.0068	
-30	Normal Voltage	0.0045	
20	Maximum Voltage	0.0065	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0078	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.1 V. ; Maximum Voltage =3.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5B

26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.09	8.14	14.60
Middle CH	8.12	8.15	14.60
Highest CH	8.07	8.23	14.51
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.72	19.70	-
Middle CH	14.63	19.54	-
Highest CH	14.60	19.66	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.07	8.15	14.54
Middle CH	8.06	8.12	14.60
Highest CH	8.07	8.12	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.63	19.62	-
Middle CH	14.66	19.62	-
Highest CH	14.72	19.50	-

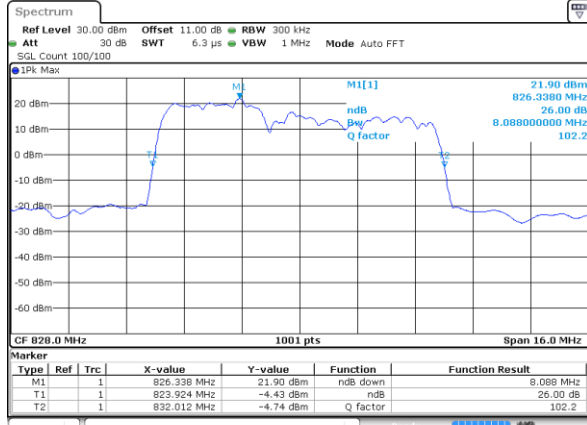
Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	8.07	8.18	14.57
Middle CH	8.06	8.09	14.48
Highest CH	8.06	8.14	14.60
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.60	19.58	-
Middle CH	14.57	19.62	-
Highest CH	14.75	19.50	-



LTE Band 5B

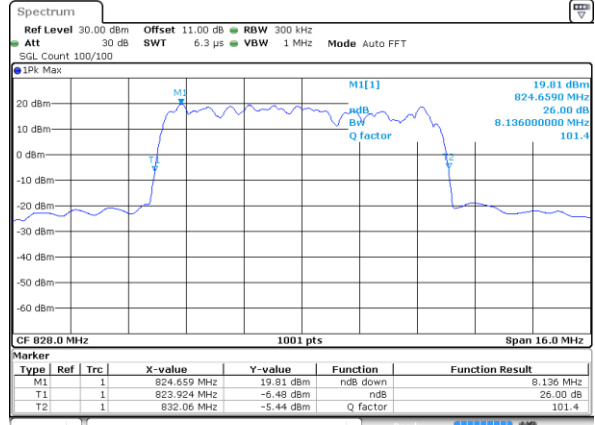
QPSK

Lowest Channel / 3MHz+5MHz



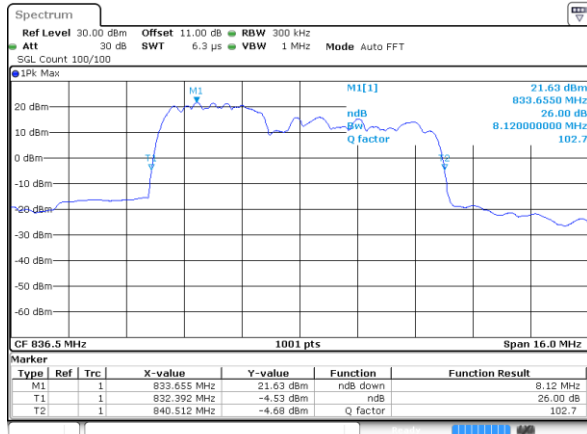
Date: 7 JUL 2020 23:46:50

Lowest Channel / 5MHz+3MHz



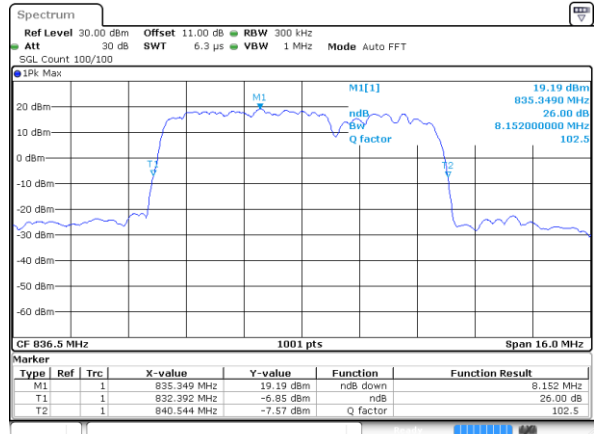
Date: 7 JUL 2020 22:00:12

Middle Channel / 3MHz+5MHz



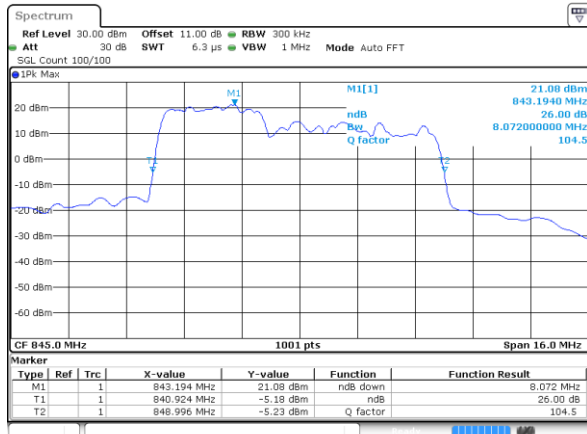
Date: 8 JUL 2020 00:27:21

Middle Channel / 5MHz+3MHz



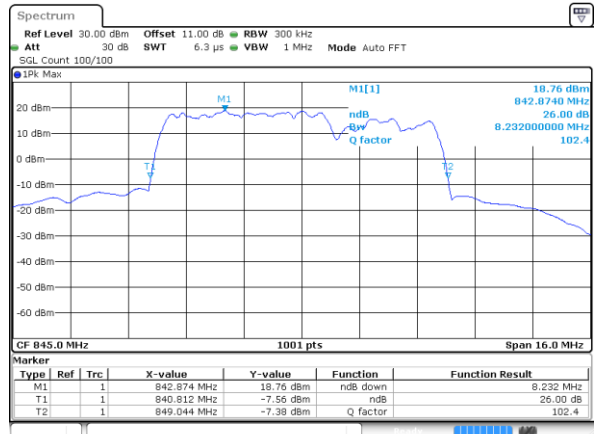
Date: 7 JUL 2020 22:39:32

Highest Channel / 3MHz+5MHz



Date: 8 JUL 2020 00:41:40

Highest Channel / 5MHz+3MHz



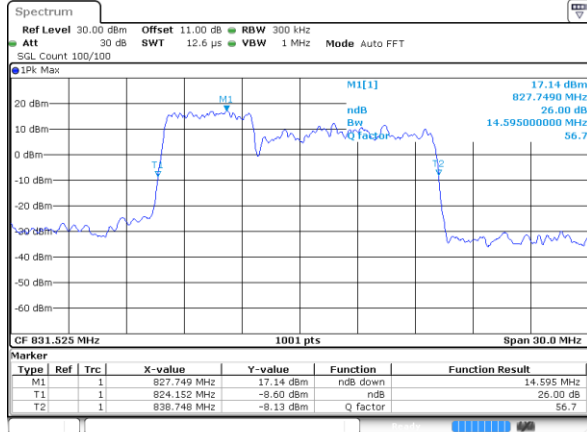
Date: 7 JUL 2020 22:53:43



LTE Band 5B

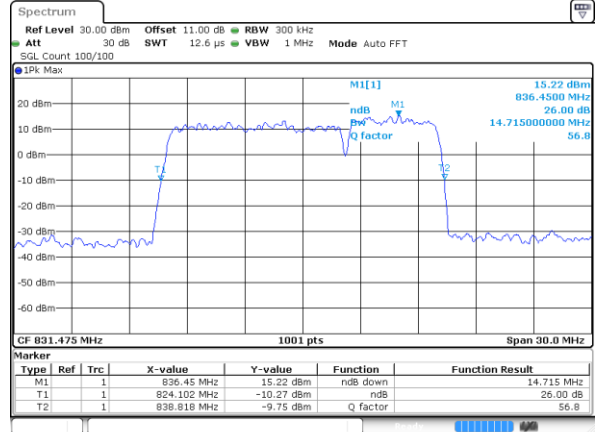
QPSK

Lowest Channel / 5MHz+10MHz



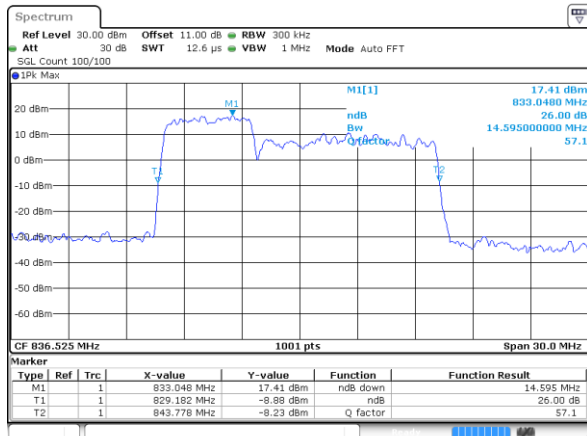
Date: 14 JUN 2020 23:06:09

Lowest Channel / 10MHz+5MHz



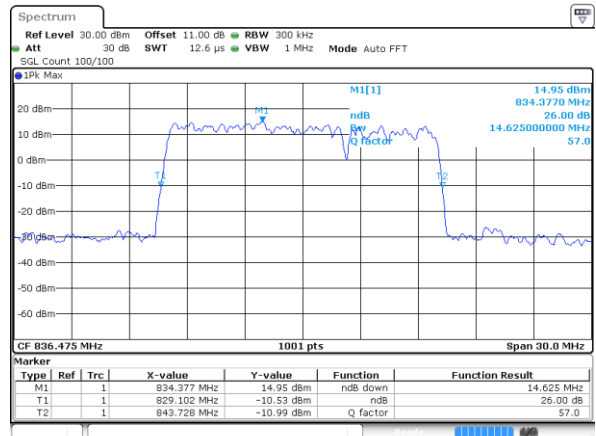
Date: 15 JUN 2020 11:06:03

Middle Channel / 5MHz+10MHz



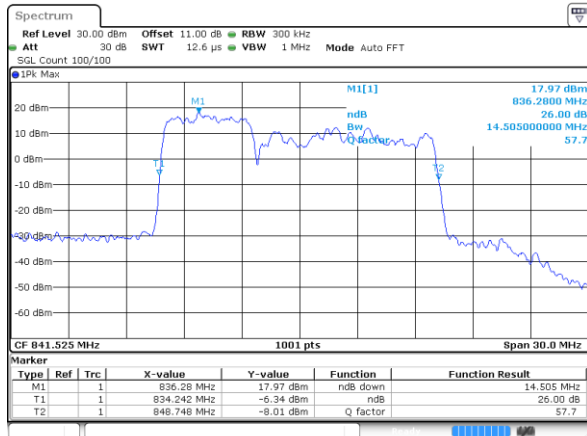
Date: 14 JUN 2020 22:46:25

Middle Channel / 10MHz+5MHz



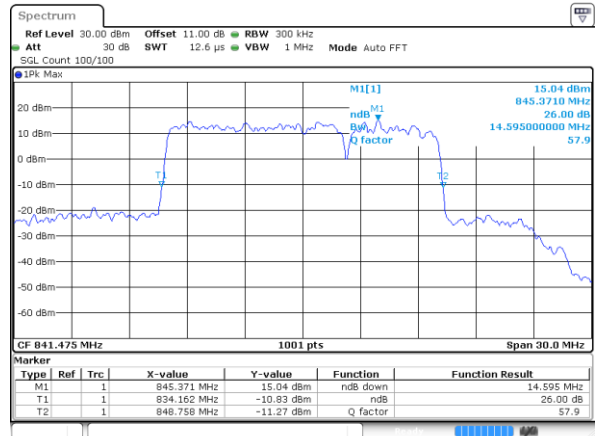
Date: 15 JUN 2020 17:36:53

Highest Channel / 5MHz+10MHz



Date: 14 JUN 2020 22:11:07

Highest Channel / 10MHz+5MHz



Date: 15 JUN 2020 17:53:07

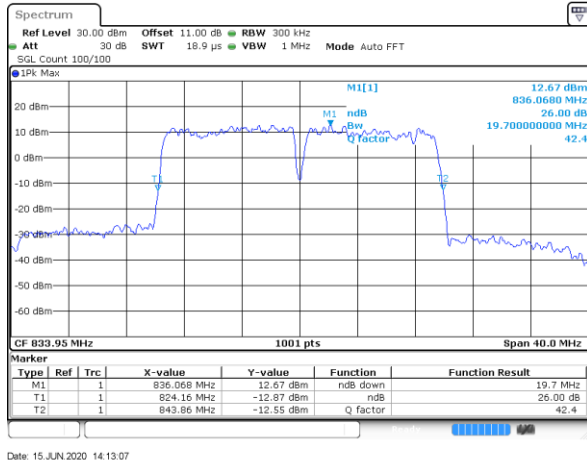


LTE Band 5B

QPSK

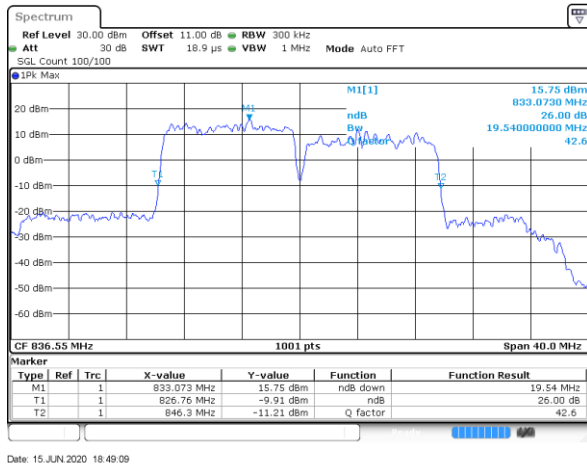
Lowest Channel / 10MHz+10MHz

N/A



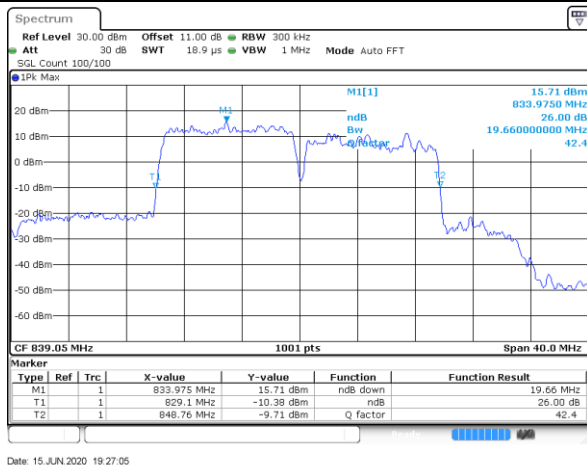
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

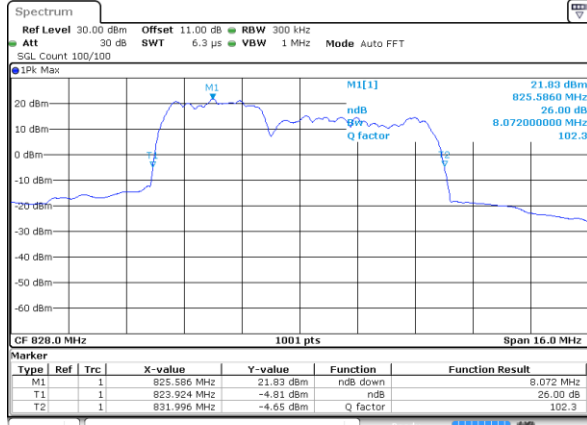




LTE Band 5B

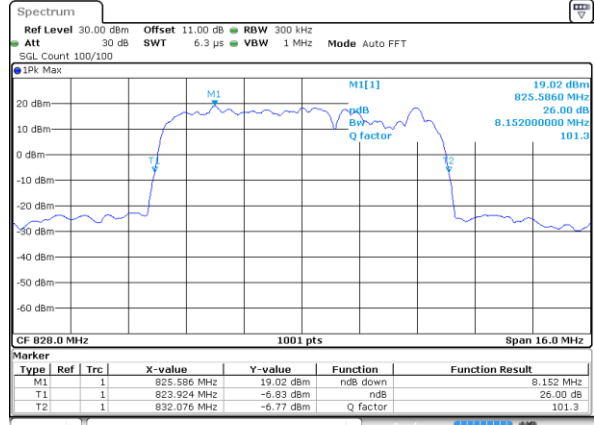
16QAM

Lowest Channel / 3MHz+5MHz



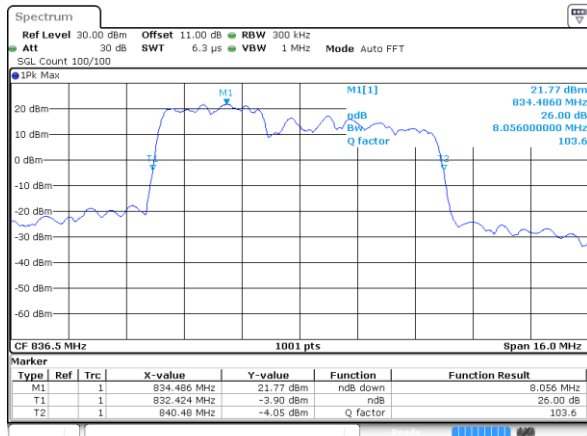
Date: 7 JUL 2020 23:58:56

Lowest Channel / 5MHz+3MHz



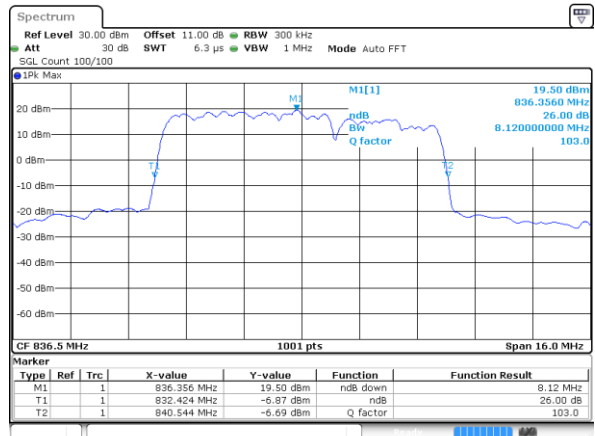
Date: 7 JUL 2020 21:59:49

Middle Channel / 3MHz+5MHz



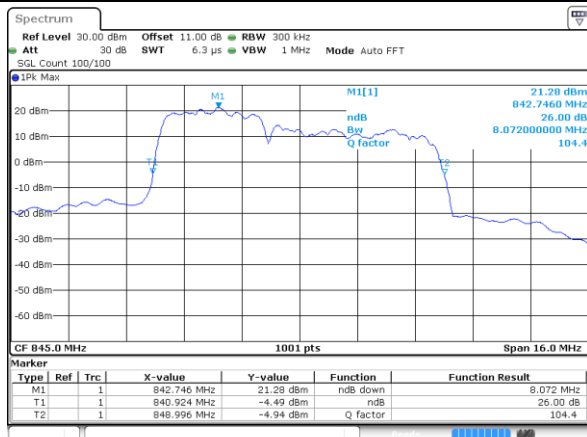
Date: 8 JUL 2020 00:26:59

Middle Channel / 5MHz+3MHz



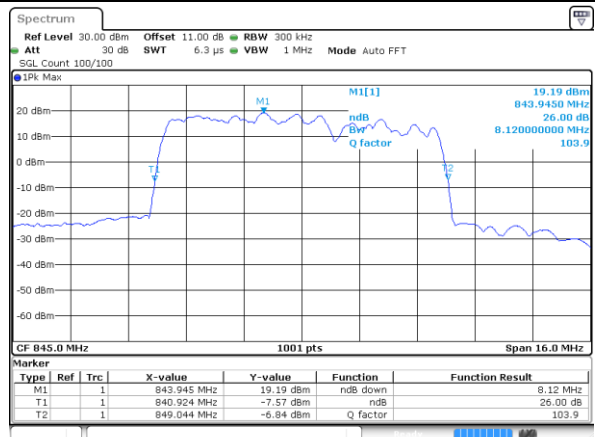
Date: 7 JUL 2020 22:39:09

Highest Channel / 3MHz+5MHz



Date: 8 JUL 2020 00:42:02

Highest Channel / 5MHz+3MHz



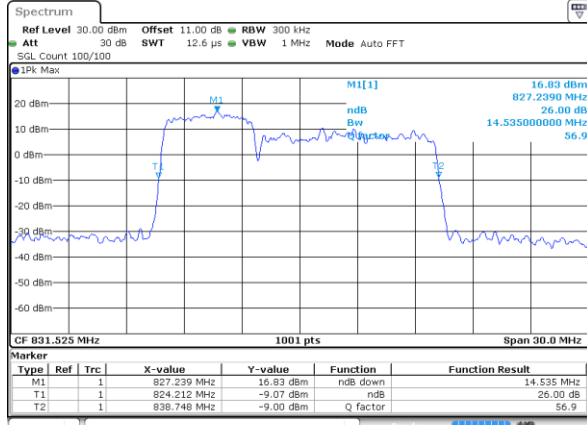
Date: 7 JUL 2020 22:54:06



LTE Band 5B

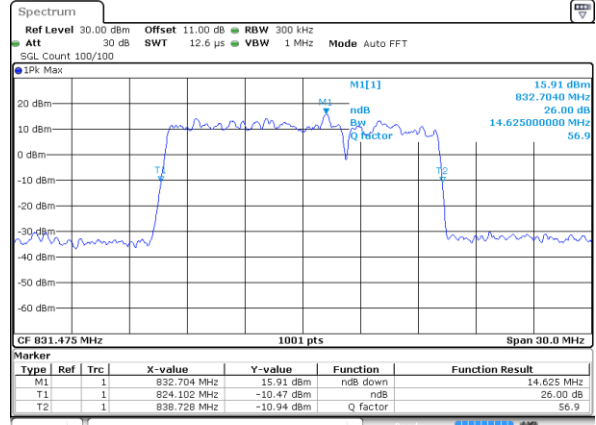
16QAM

Lowest Channel / 5MHz+10MHz



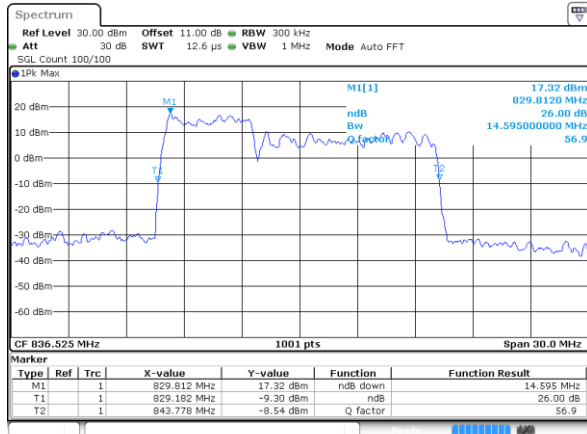
Date: 14 JUN 2020 23:05:46

Lowest Channel / 10MHz+5MHz



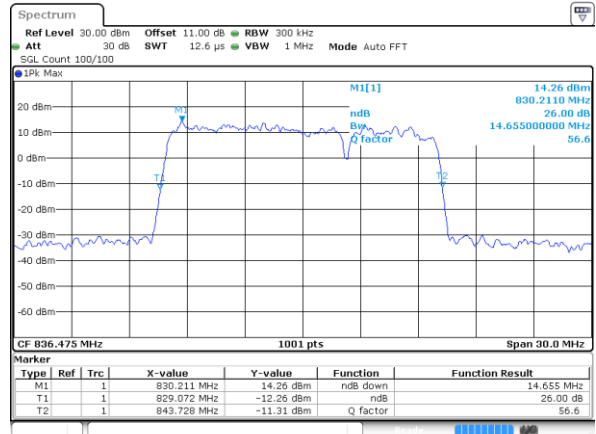
Date: 15 JUN 2020 09:23:29

Middle Channel / 5MHz+10MHz



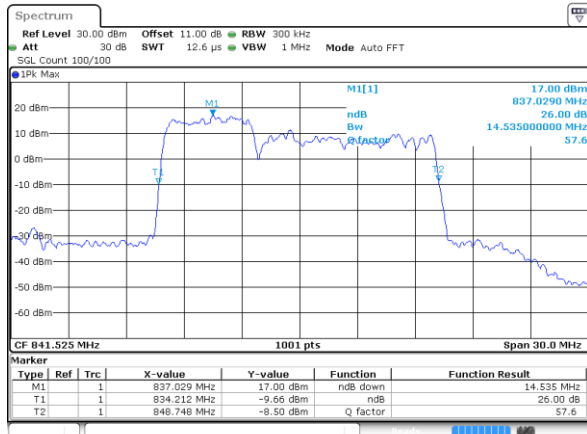
Date: 14 JUN 2020 22:46:02

Middle Channel / 10MHz+5MHz



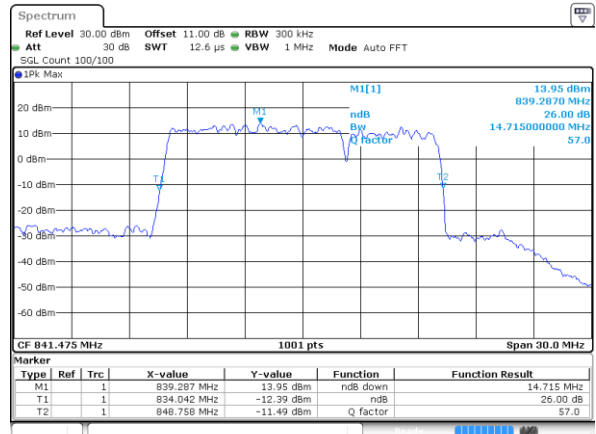
Date: 15 JUN 2020 17:36:30

Highest Channel / 5MHz+10MHz



Date: 14 JUN 2020 22:11:30

Highest Channel / 10MHz+5MHz



Date: 15 JUN 2020 17:53:30

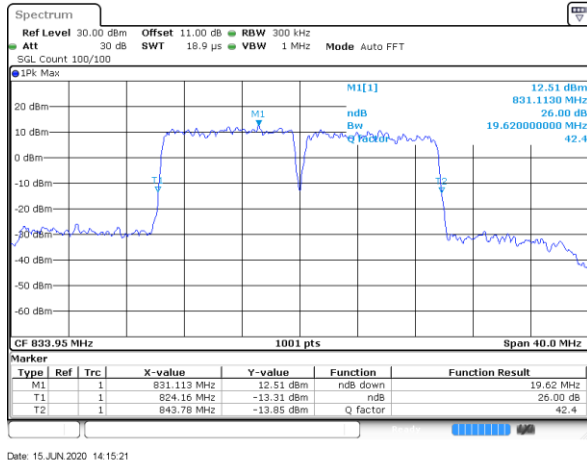


LTE Band 5B

16QAM

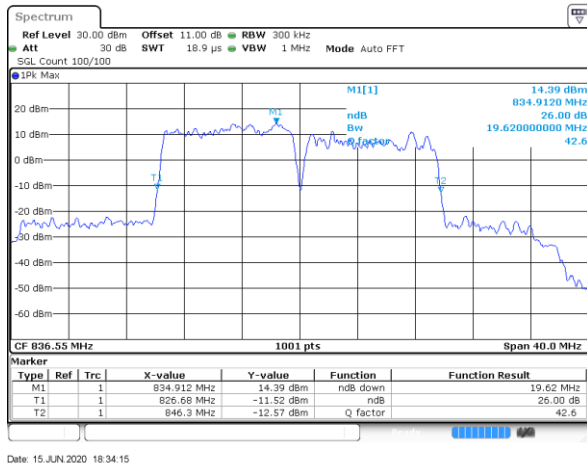
Lowest Channel / 10MHz+10MHz

N/A



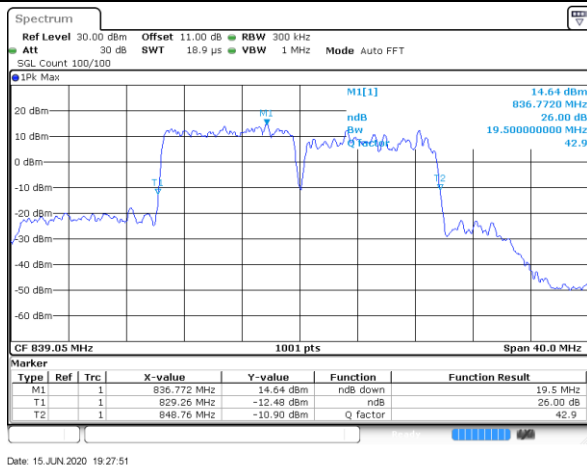
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

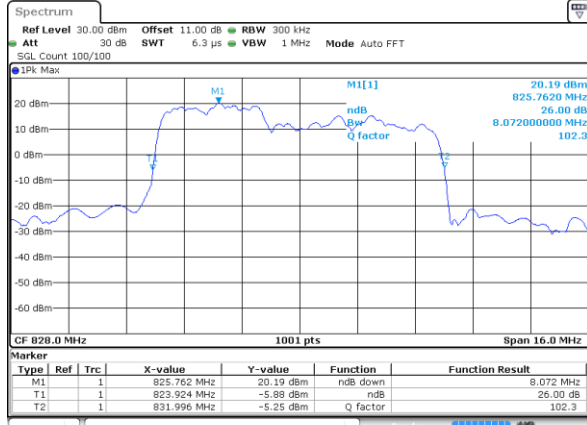




LTE Band 5B

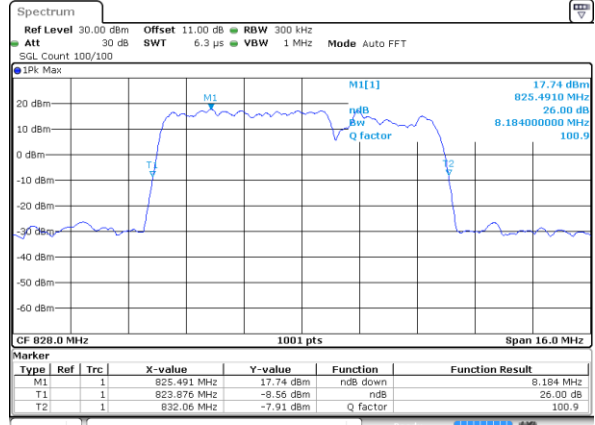
64QAM

Lowest Channel / 3MHz+5MHz



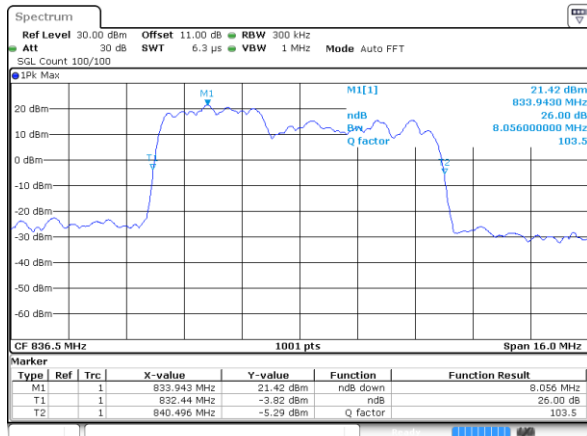
Date: 8 JUL 2020 00:01:18

Lowest Channel / 5MHz+3MHz



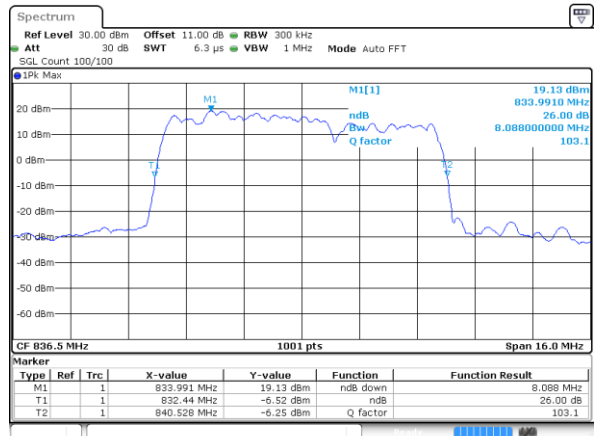
Date: 7 JUL 2020 21:59:26

Middle Channel / 3MHz+5MHz



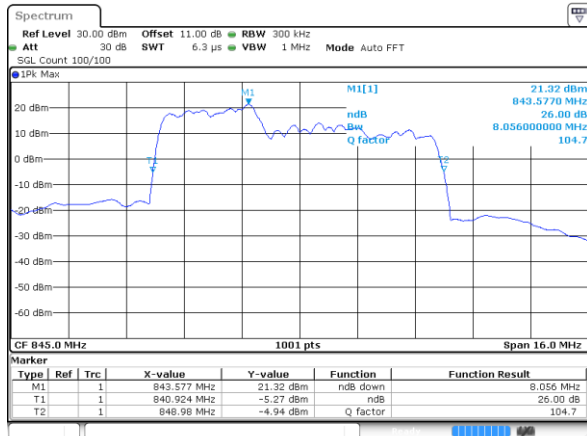
Date: 8 JUL 2020 00:26:36

Middle Channel / 5MHz+3MHz



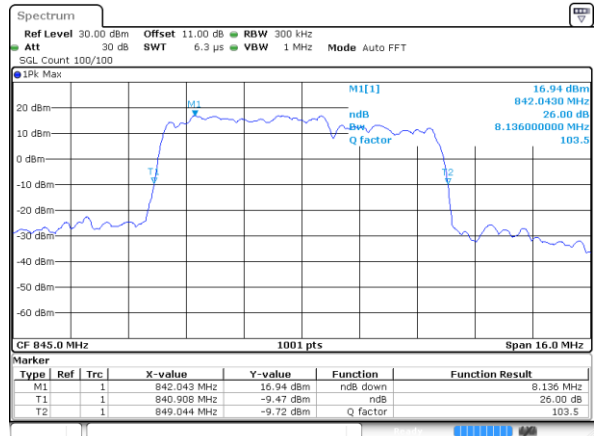
Date: 7 JUL 2020 22:38:46

Highest Channel / 3MHz+5MHz



Date: 8 JUL 2020 00:42:25

Highest Channel / 5MHz+3MHz



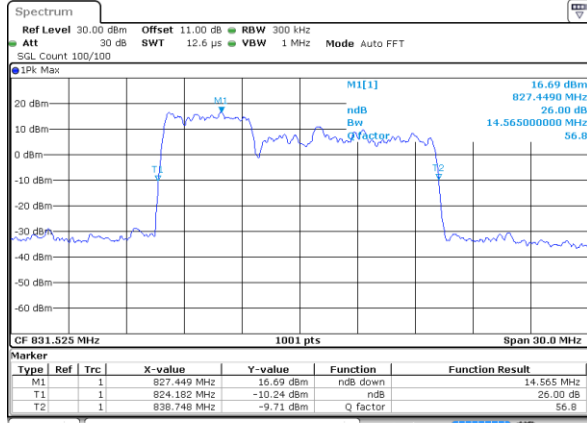
Date: 7 JUL 2020 22:54:29



LTE Band 5B

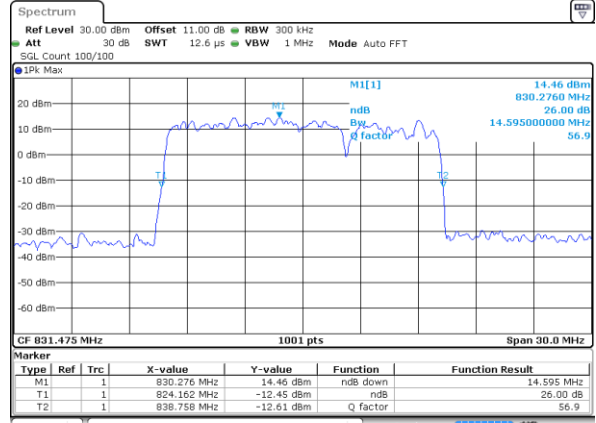
64QAM

Lowest Channel / 5MHz+10MHz



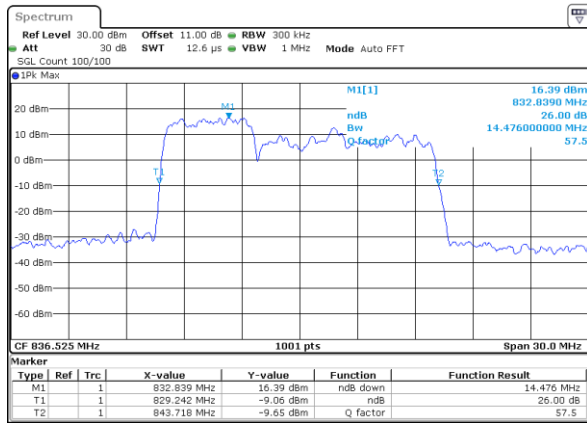
Date: 14 JUN 2020 23:05:23

Lowest Channel / 10MHz+5MHz



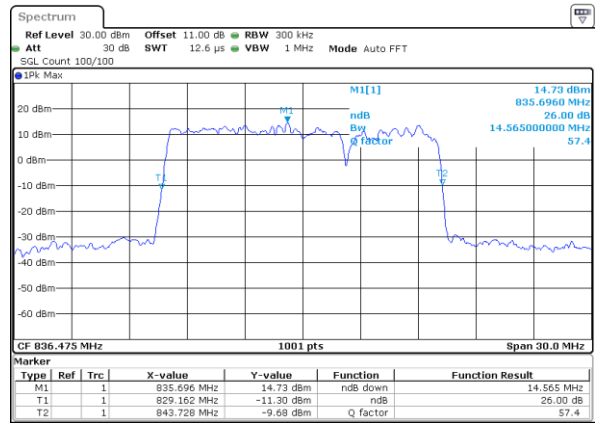
Date: 15 JUN 2020 09:23:06

Middle Channel / 5MHz+10MHz



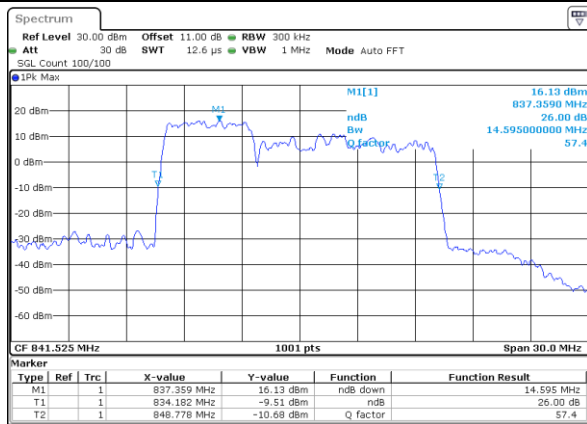
Date: 14 JUN 2020 22:45:39

Middle Channel / 10MHz+5MHz



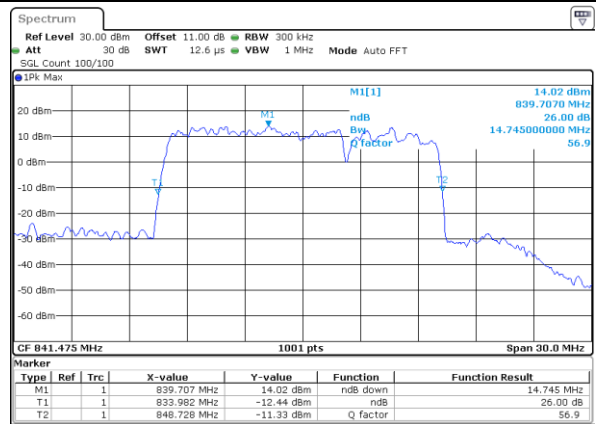
Date: 15 JUN 2020 17:36:07

Highest Channel / 5MHz+10MHz



Date: 14 JUN 2020 22:11:53

Highest Channel / 10MHz+5MHz



Date: 15 JUN 2020 17:53:52