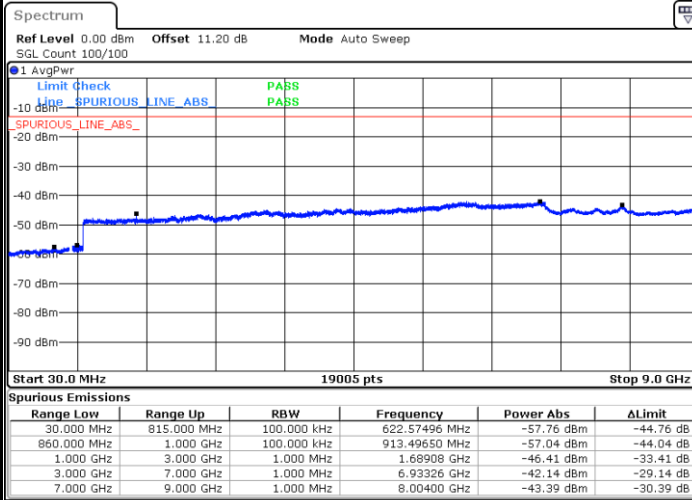




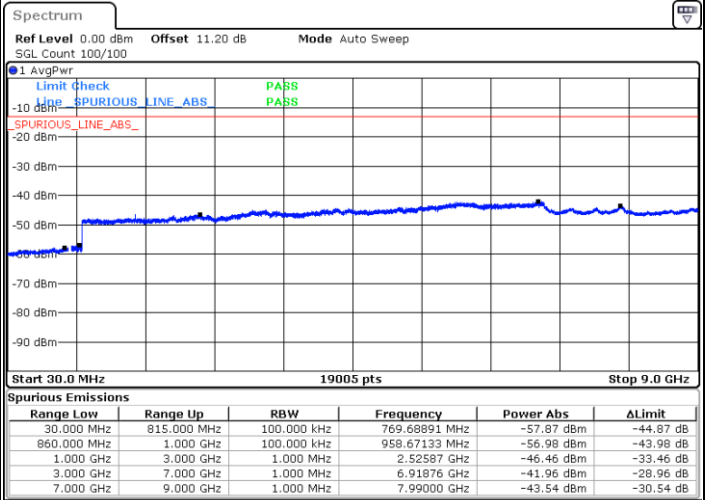
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 22.MAY.2020 17:27:24

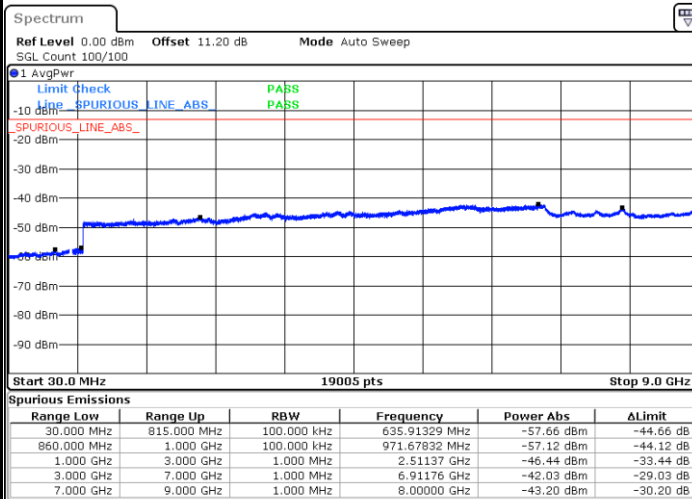
Highest Channel / 16QAM



Date: 22.MAY.2020 17:28:14

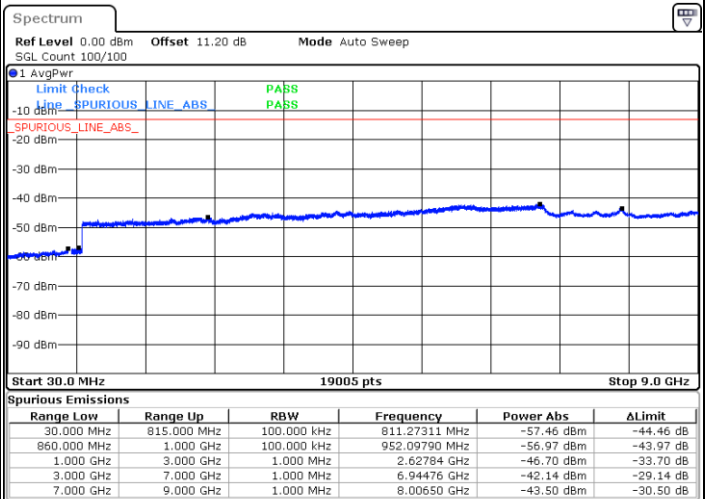
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 22.MAY.2020 17:46:02

Lowest Channel / 16QAM

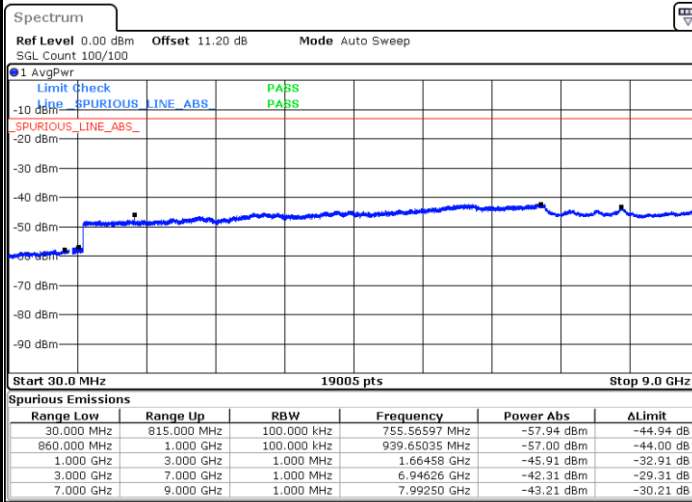


Date: 22.MAY.2020 17:46:52



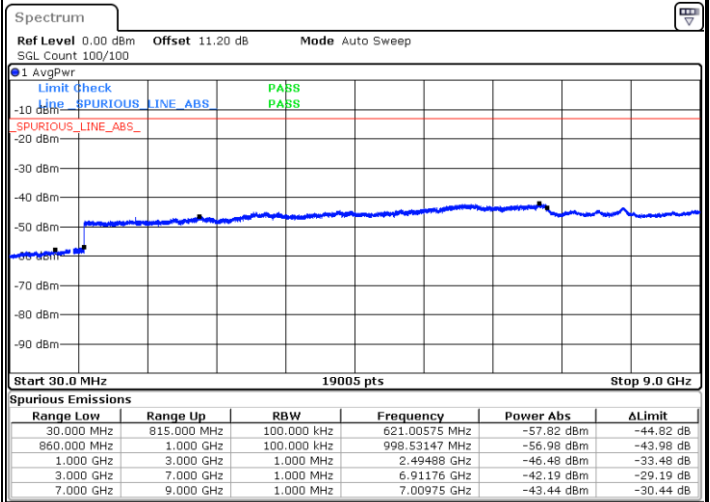
LTE Band 5 / 10MHz

Middle Channel / QPSK



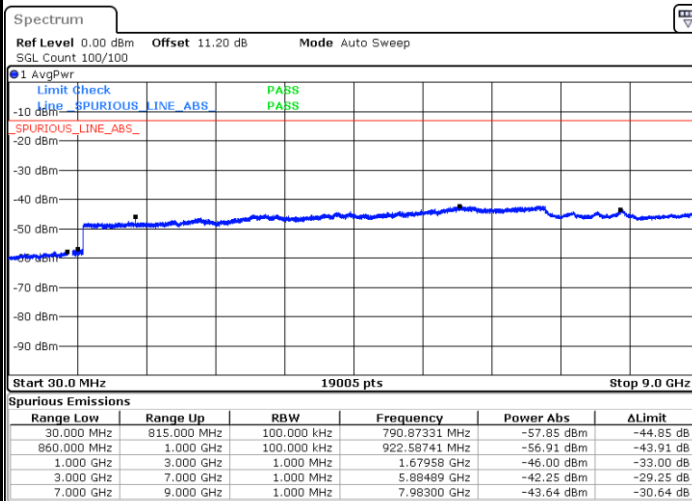
Date: 22.MAY.2020 17:48:28

Middle Channel / 16QAM



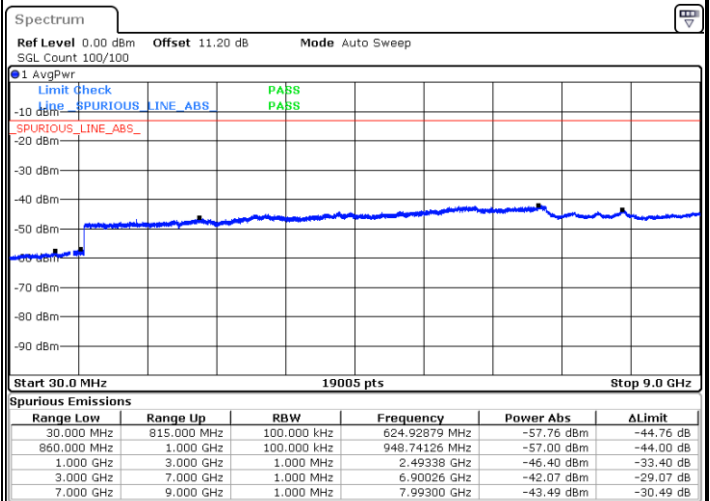
Date: 22.MAY.2020 17:49:17

Highest Channel / QPSK



Date: 22.MAY.2020 17:57:35

Highest Channel / 16QAM

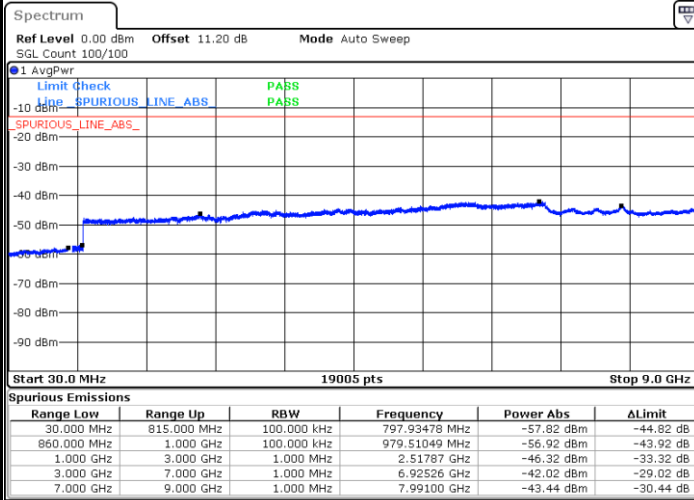


Date: 22.MAY.2020 17:58:26



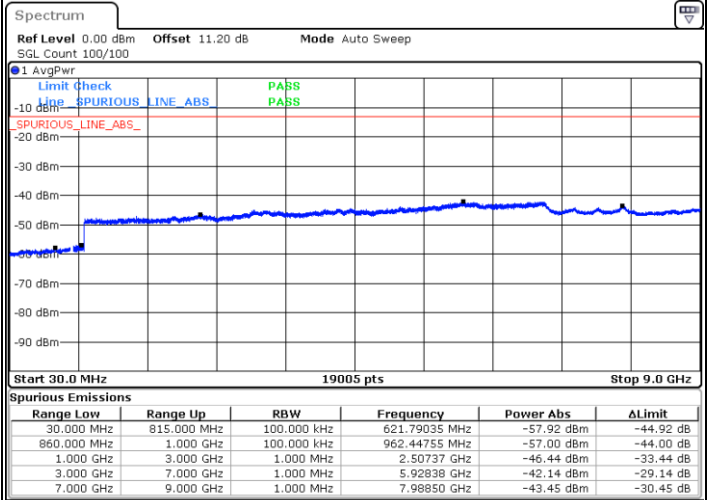
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



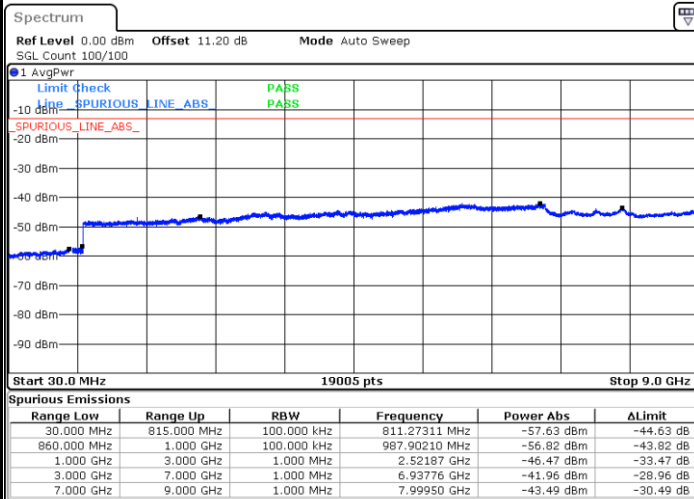
Date: 22.MAY.2020 18:29:54

Middle Channel / 64QAM



Date: 22.MAY.2020 18:31:07

Highest Channel / 64QAM

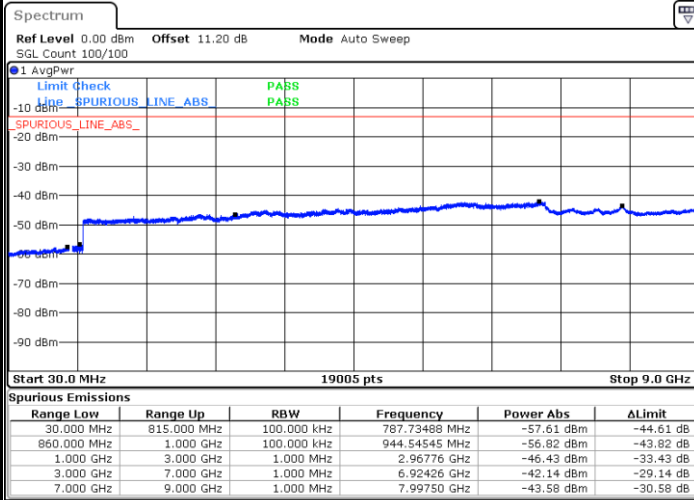


Date: 22.MAY.2020 18:35:40



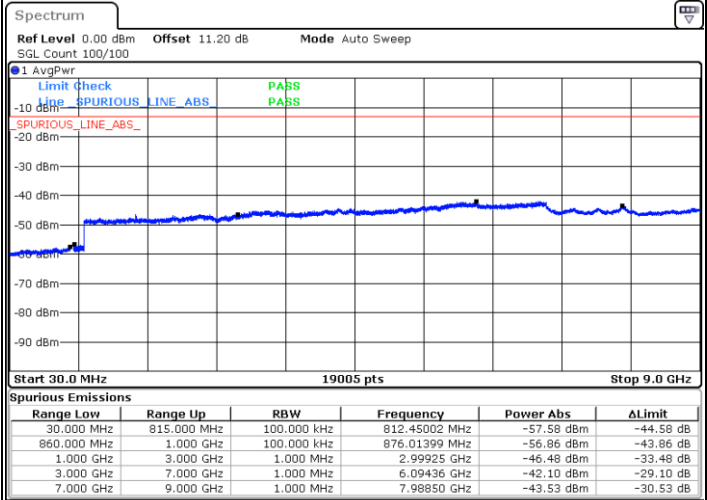
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



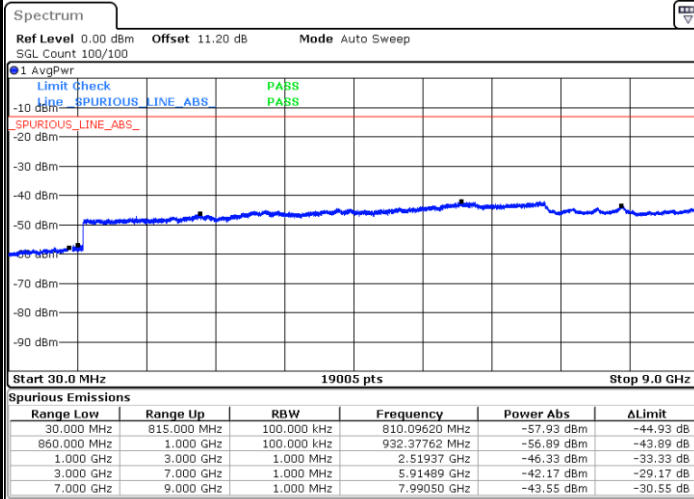
Date: 22.MAY.2020 16:58:45

Middle Channel / 64QAM



Date: 22.MAY.2020 16:59:57

Highest Channel / 64QAM

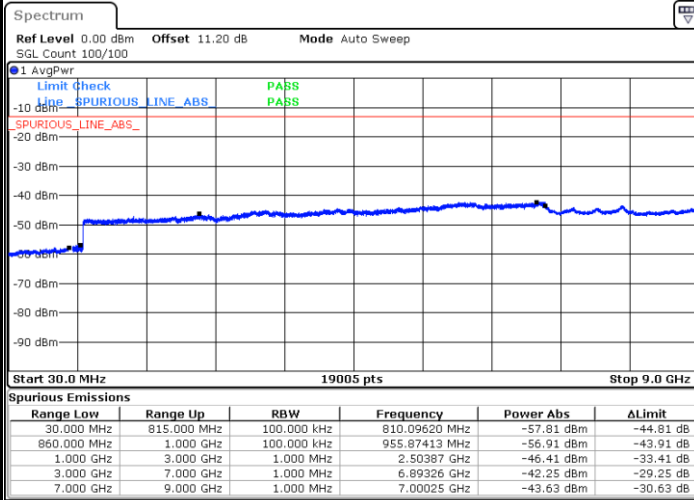


Date: 22.MAY.2020 17:04:31



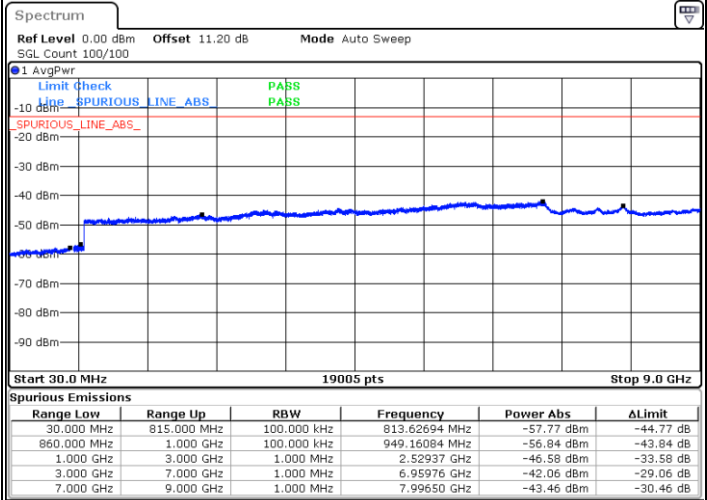
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



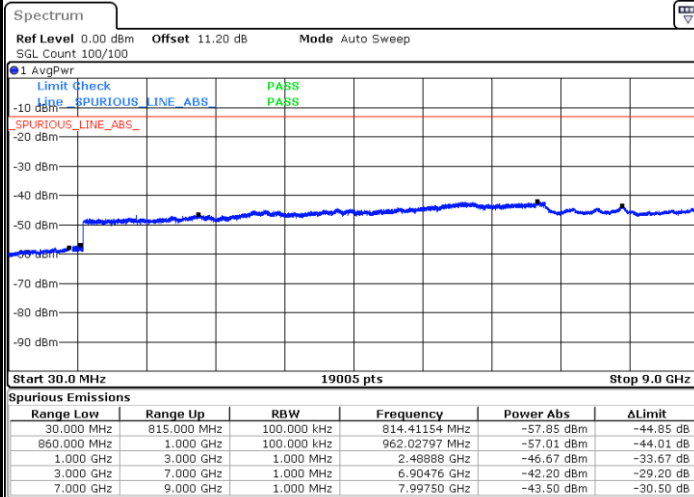
Date: 22.MAY.2020 17:32:47

Middle Channel / 64QAM



Date: 22.MAY.2020 17:34:00

Highest Channel / 64QAM

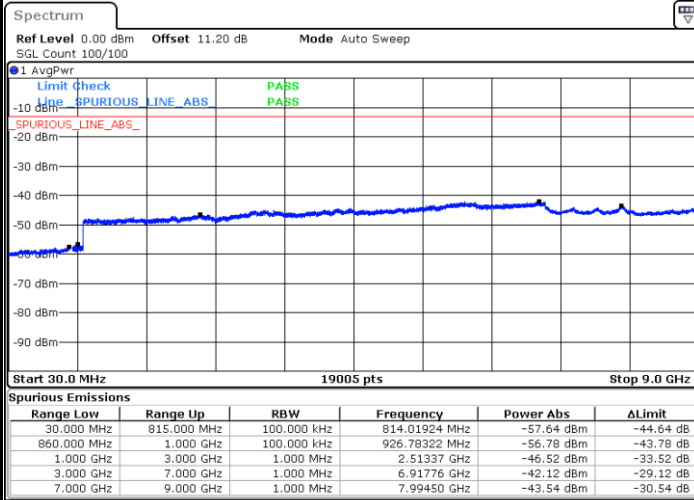


Date: 22.MAY.2020 17:59:16



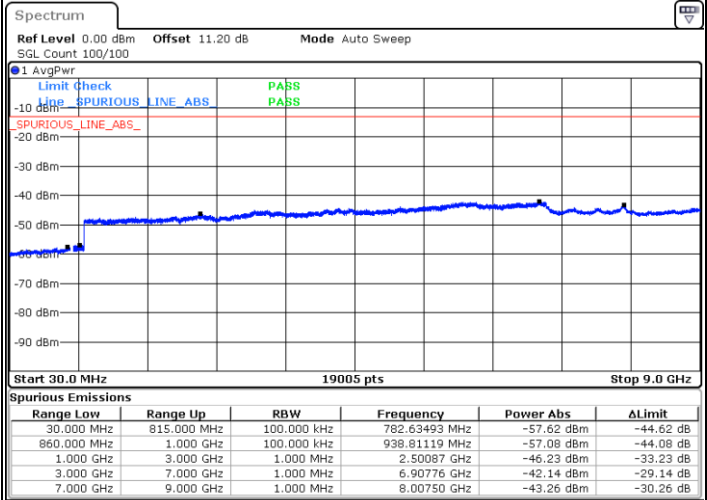
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



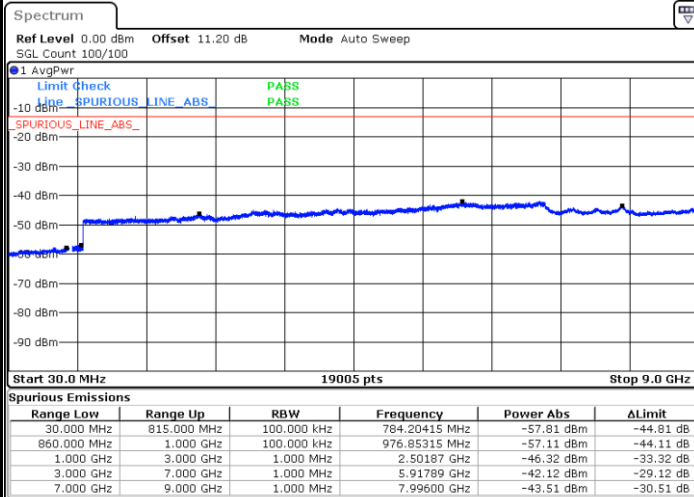
Date: 22.MAY.2020 18:03:50

Middle Channel / 64QAM



Date: 22.MAY.2020 18:05:03

Highest Channel / 64QAM



Date: 22.MAY.2020 18:09:37

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	0.0030	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 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			14.51
Middle CH			14.66
Highest CH			14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.66	19.54	-
Middle CH	14.54	19.54	-
Highest CH	14.66	19.74	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH			14.54
Middle CH			14.66
Highest CH			14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.72	19.78	-
Middle CH	14.60	19.58	-
Highest CH	14.66	19.62	-

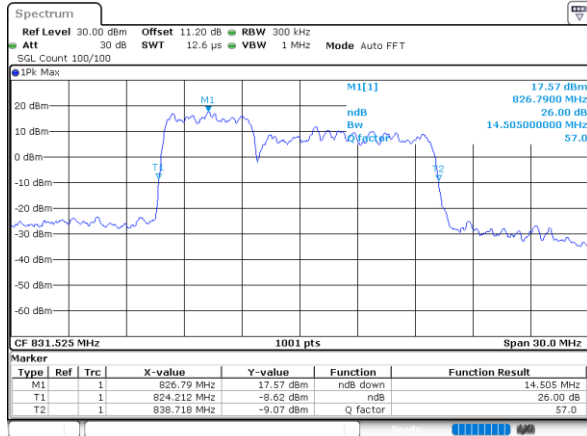
Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH			14.60
Middle CH			14.48
Highest CH			14.51
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	14.69	19.86	-
Middle CH	14.66	19.66	-
Highest CH	14.57	19.66	-



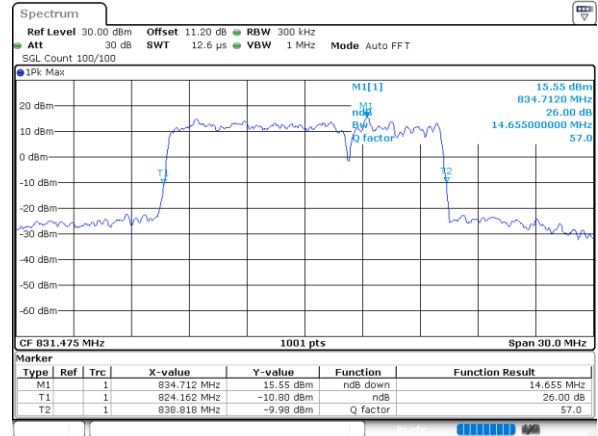
LTE Band 5B

QPSK

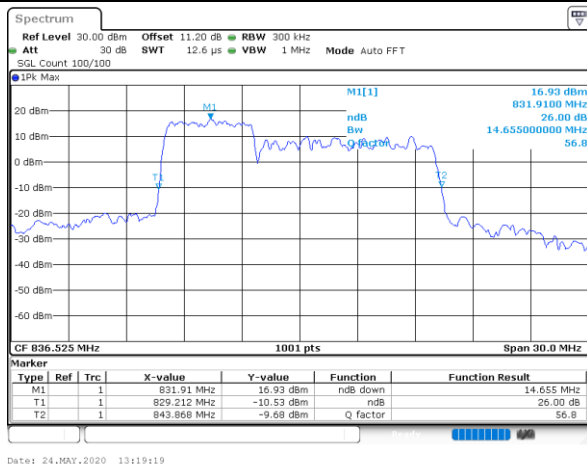
Lowest Channel / 5MHz+10MHz



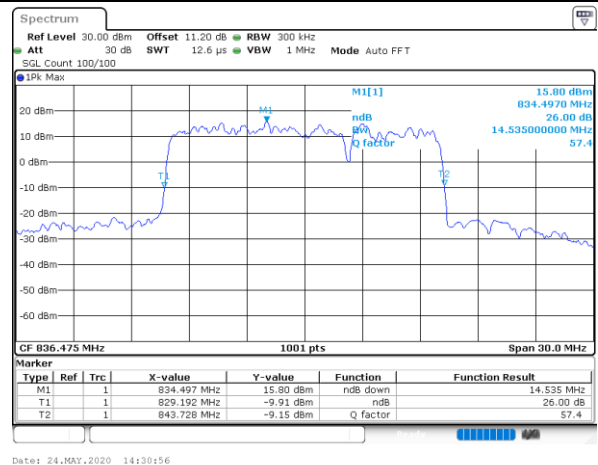
Lowest Channel / 10MHz+5MHz



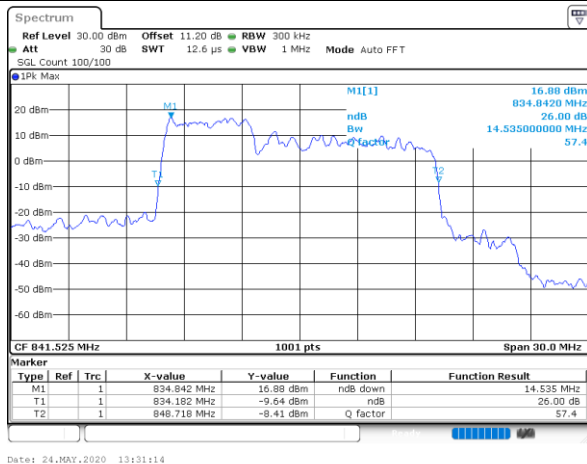
Middle Channel / 5MHz+10MHz



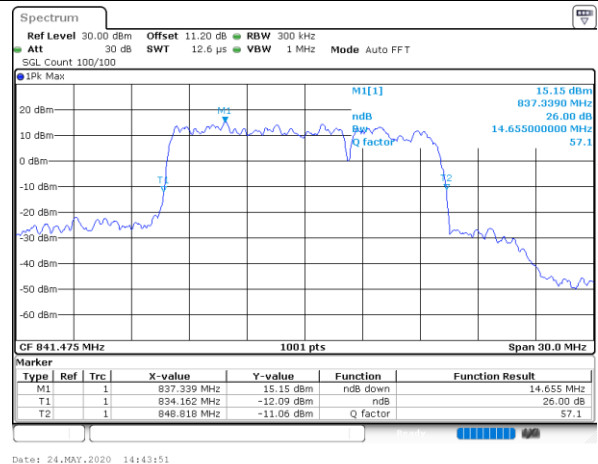
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



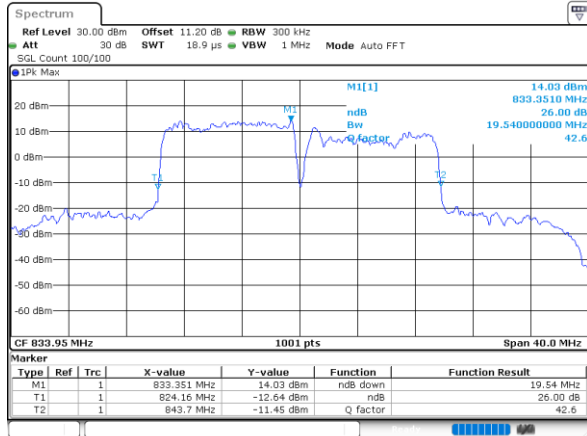


LTE Band 5B

QPSK

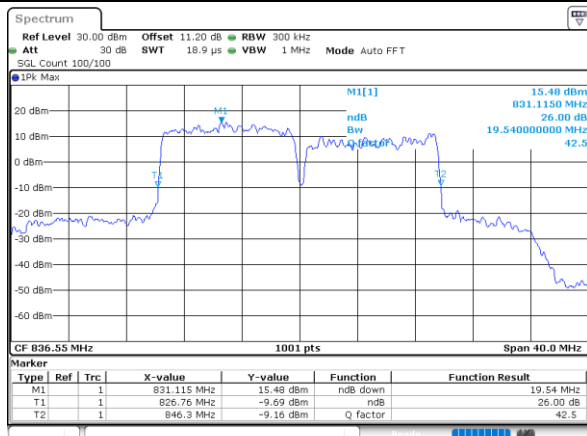
Lowest Channel / 10MHz+10MHz

N/A



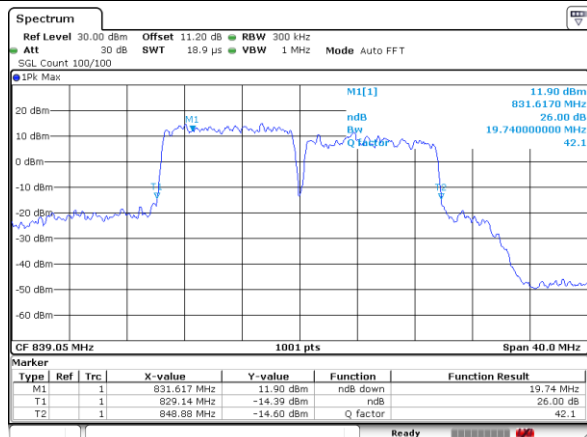
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A

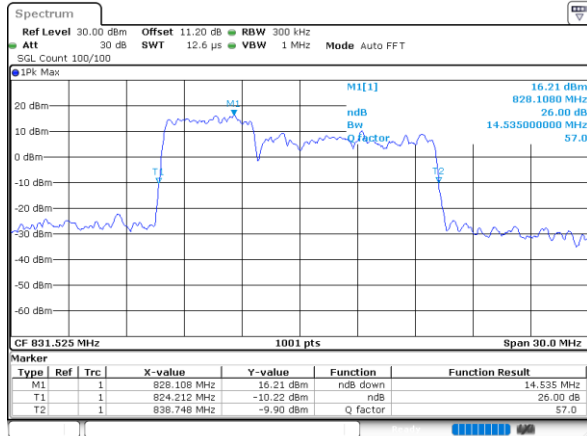




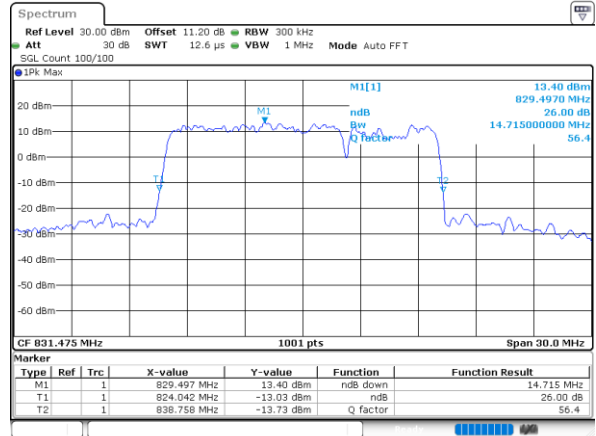
LTE Band 5B

16QAM

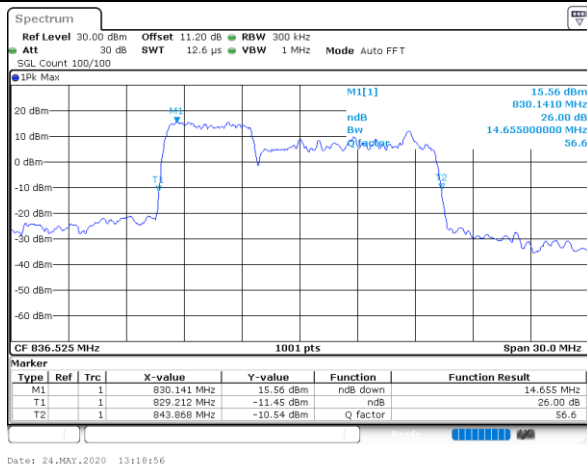
Lowest Channel / 5MHz+10MHz



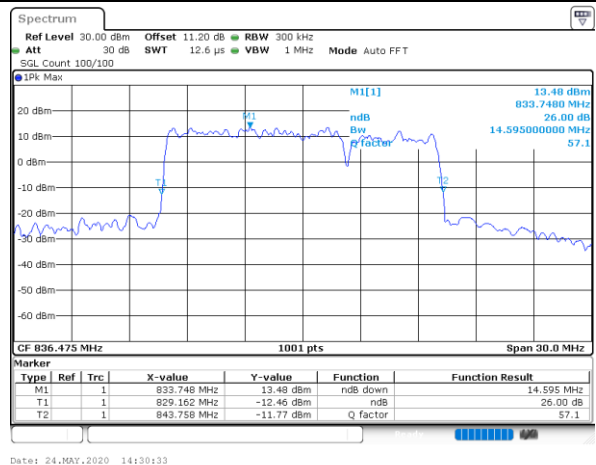
Lowest Channel / 10MHz+5MHz



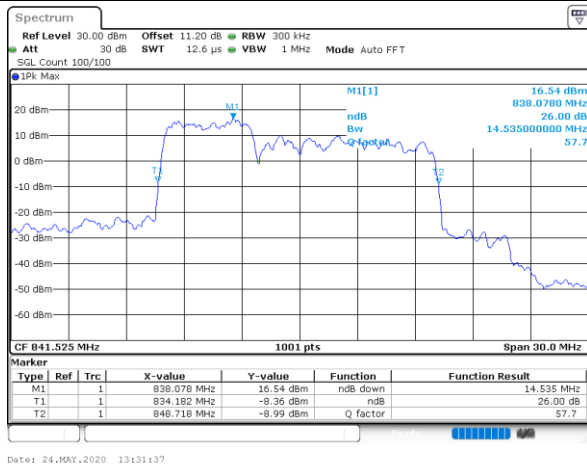
Middle Channel / 5MHz+10MHz



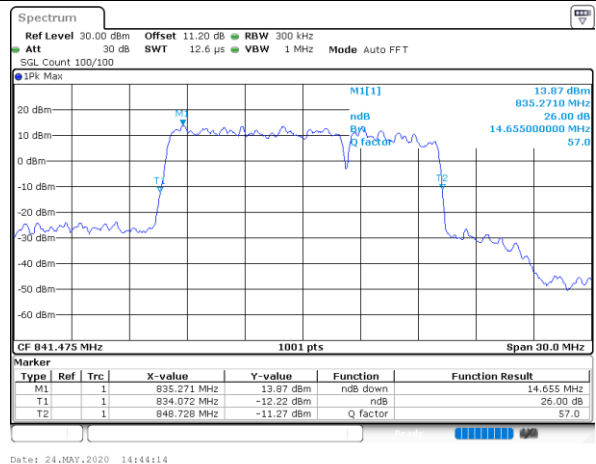
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



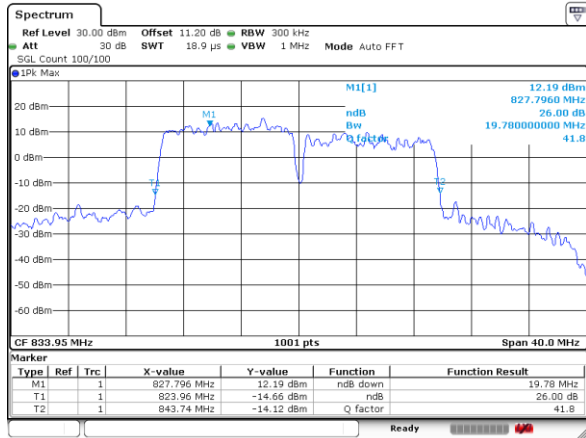


LTE Band 5B

16QAM

Lowest Channel / 10MHz+10MHz

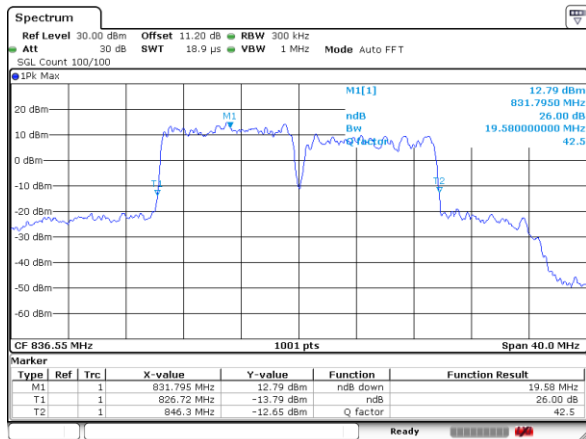
N/A



Date: 24.MAY.2020 16:55:28

Middle Channel / 10MHz+10MHz

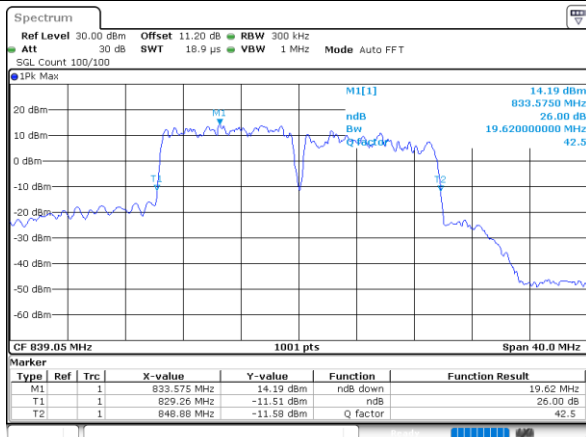
N/A



Date: 24.MAY.2020 16:14:49

Highest Channel / 10MHz+10MHz

N/A



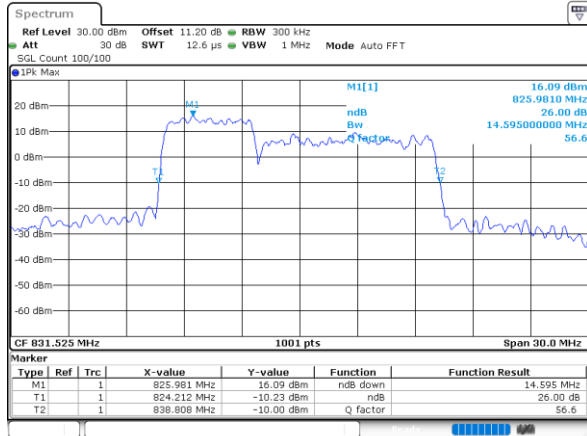
Date: 24.MAY.2020 16:51:17



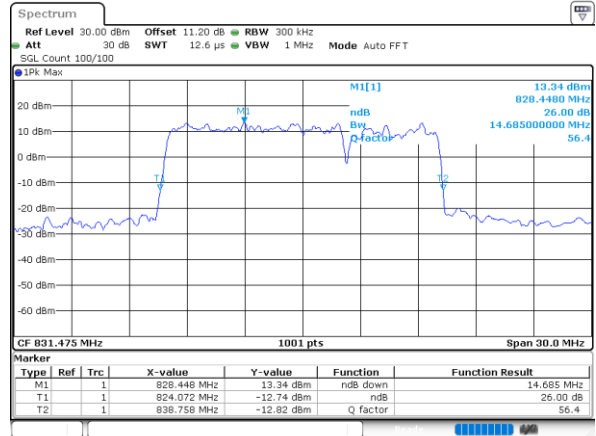
LTE Band 5B

64QAM

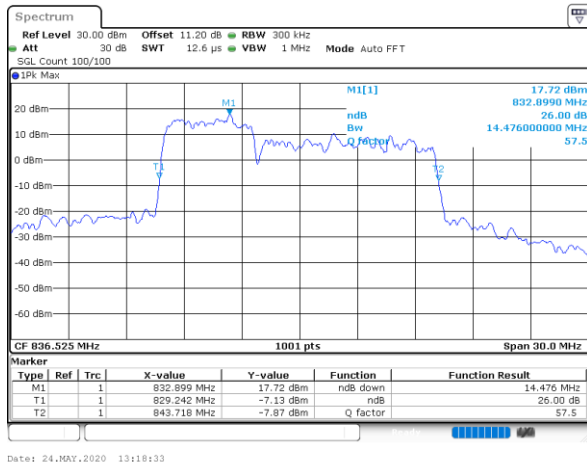
Lowest Channel / 5MHz+10MHz



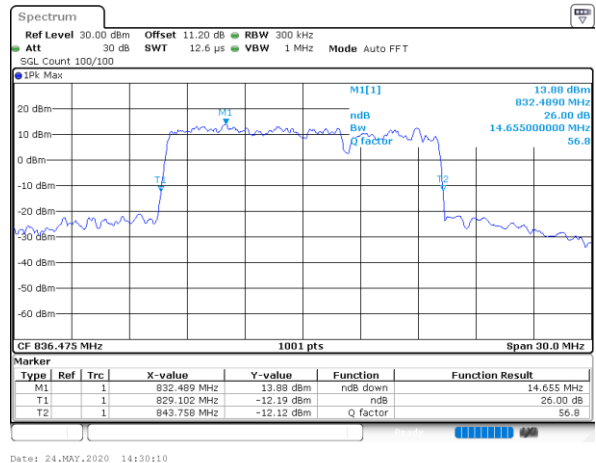
Lowest Channel / 10MHz+5MHz



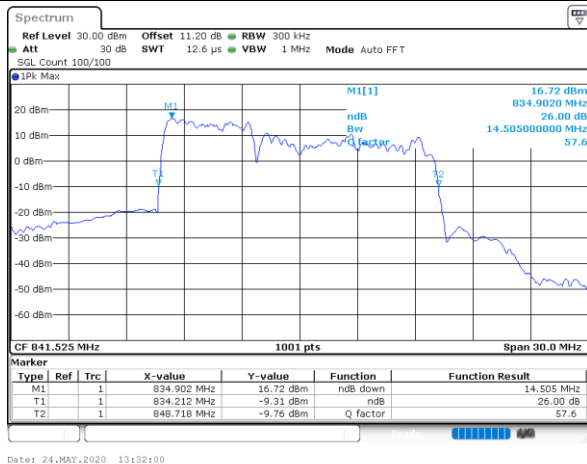
Middle Channel / 5MHz+10MHz



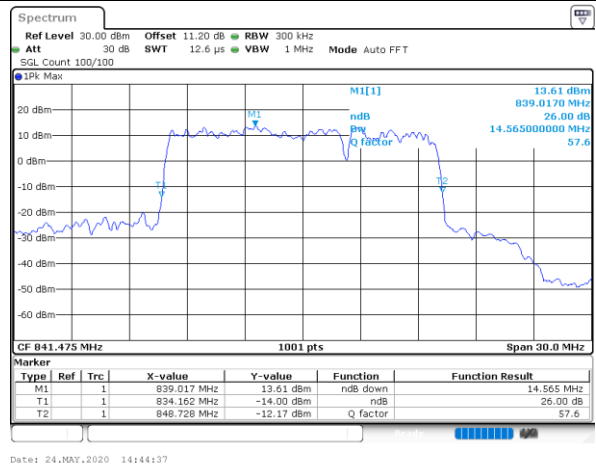
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



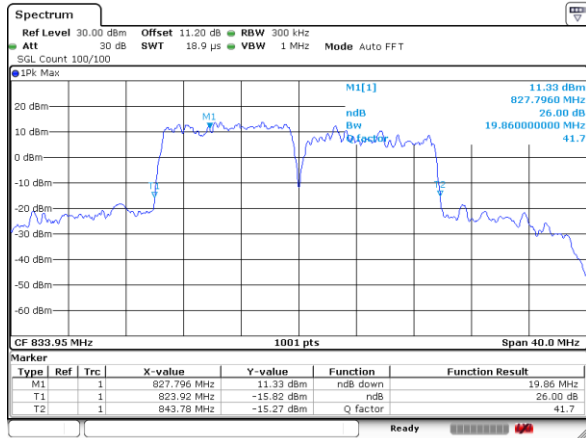


LTE Band 5B

64QAM

Lowest Channel / 10MHz+10MHz

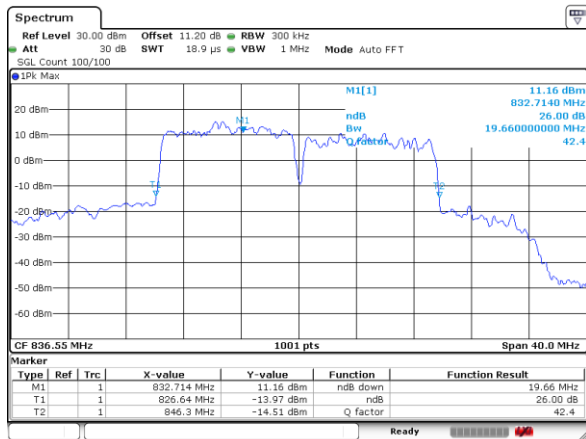
N/A



Date: 24.MAY.2020 16:56:06

Middle Channel / 10MHz+10MHz

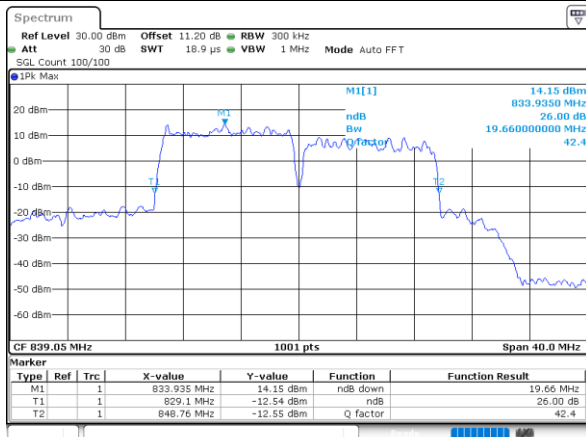
N/A



Date: 24.MAY.2020 16:15:40

Highest Channel / 10MHz+10MHz

N/A



Date: 24.MAY.2020 16:51:48

Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH			13.85
Middle CH			13.94
Highest CH			13.70
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.88	18.70	-
Middle CH	13.91	18.70	-
Highest CH	13.82	18.66	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH			13.70
Middle CH			13.88
Highest CH			13.88
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.94	18.50	-
Middle CH	13.82	18.78	-
Highest CH	13.88	18.70	-

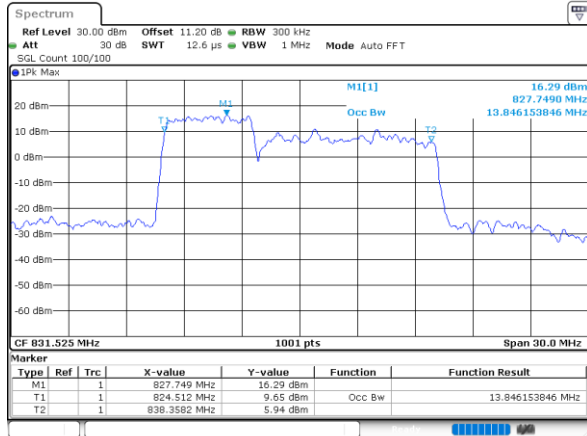
Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH			13.85
Middle CH			13.88
Highest CH			13.70
BW	10MHz+5MHz	10MHz+10MHz	N/A
Lowest CH	13.88	18.78	-
Middle CH	13.94	18.78	-
Highest CH	13.85	18.66	-



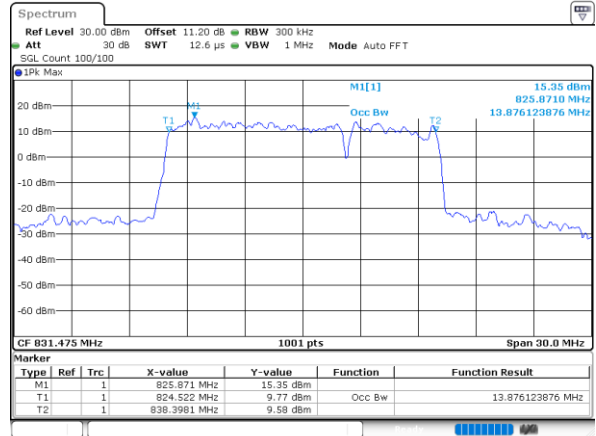
LTE Band 5B

QPSK

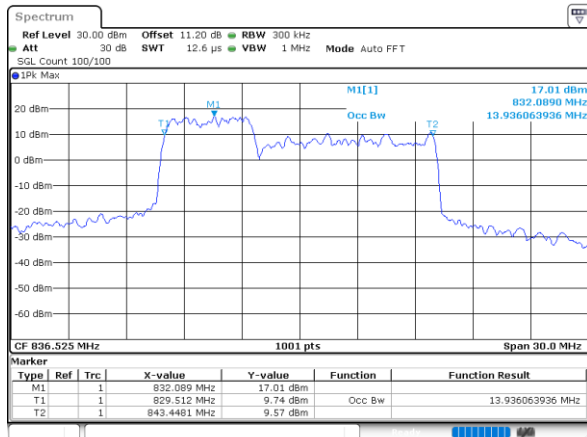
Lowest Channel / 5MHz+10MHz



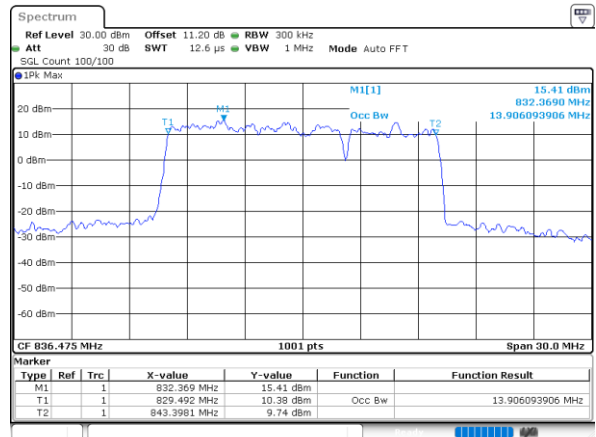
Lowest Channel / 10MHz+5MHz



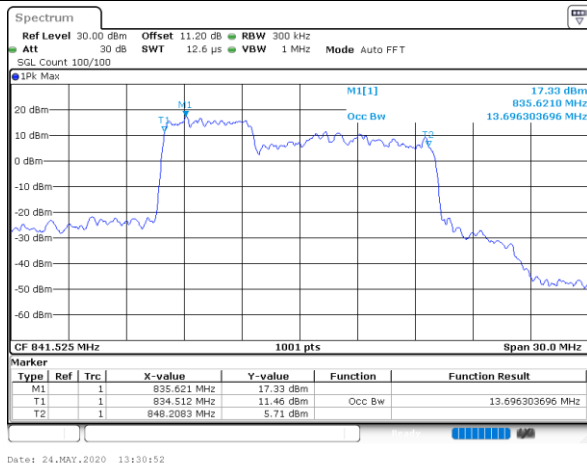
Middle Channel / 5MHz+10MHz



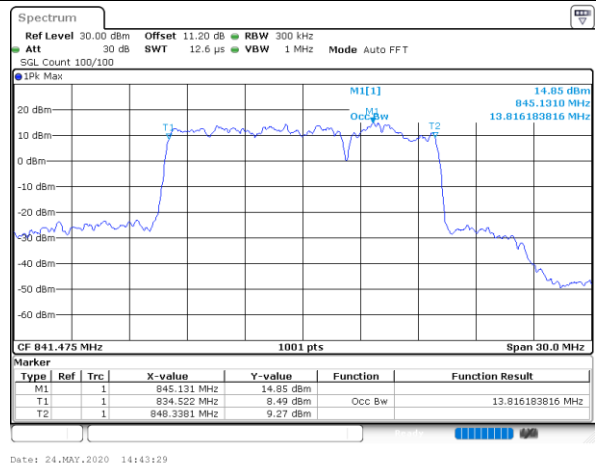
Middle Channel / 10MHz+5MHz

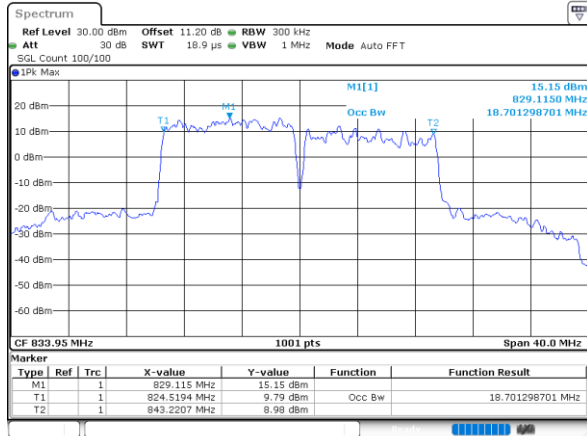
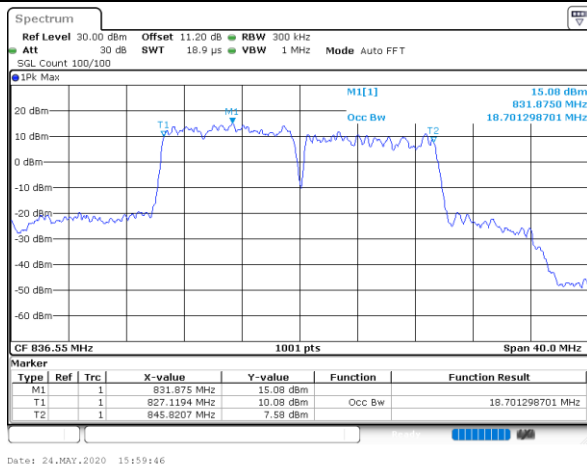
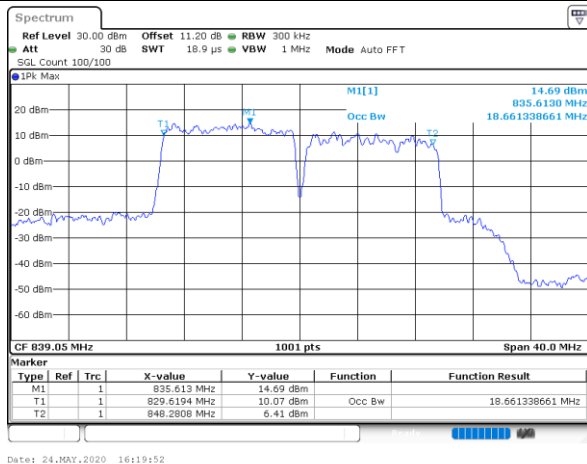


Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



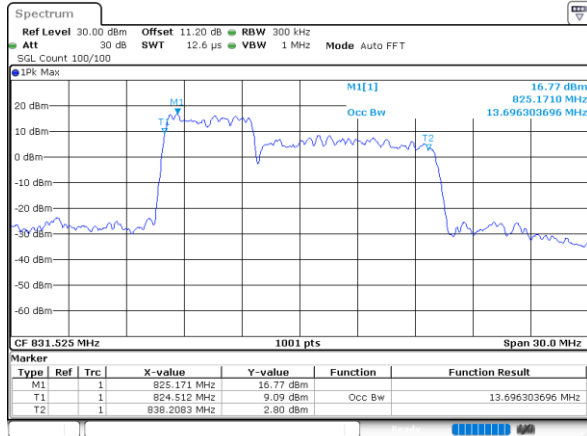
**LTE Band 5B****QPSK****Lowest Channel / 10MHz+10MHz****N/A****Middle Channel / 10MHz+10MHz****N/A****Highest Channel / 10MHz+10MHz****N/A**



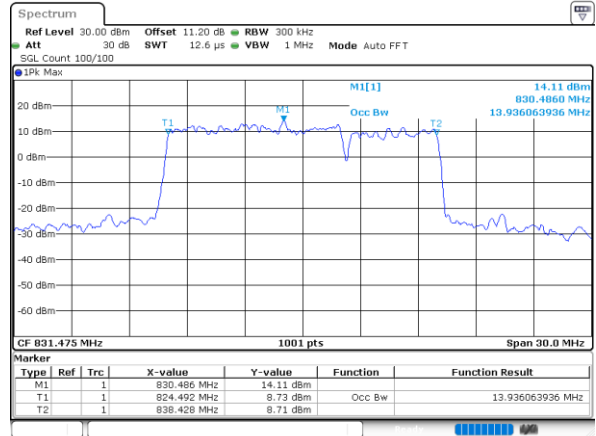
LTE Band 5B

16QAM

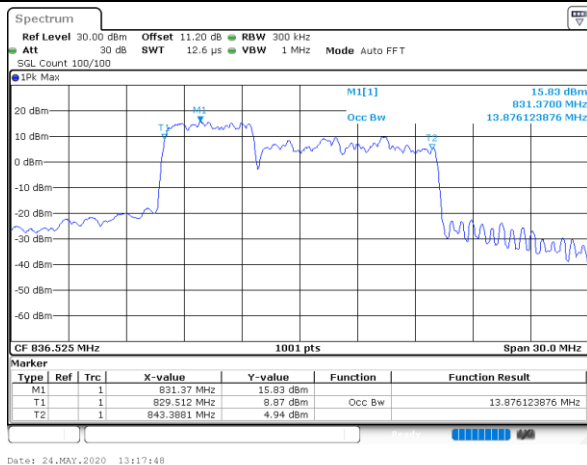
Lowest Channel / 5MHz+10MHz



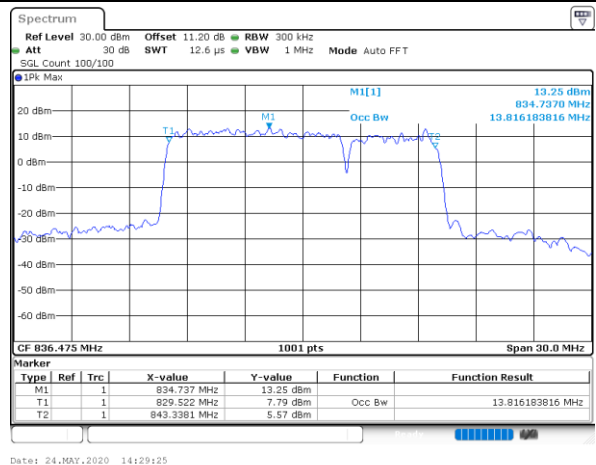
Lowest Channel / 10MHz+5MHz



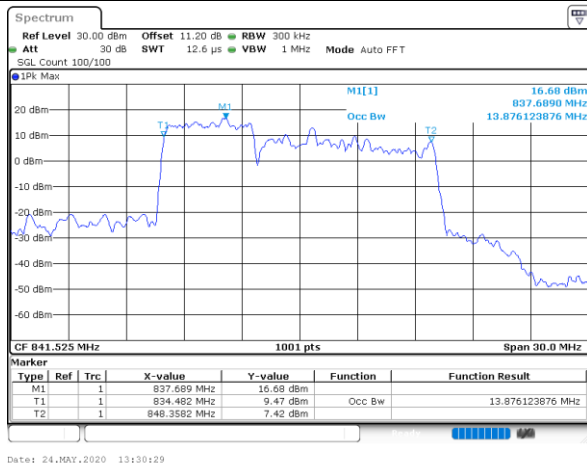
Middle Channel / 5MHz+10MHz



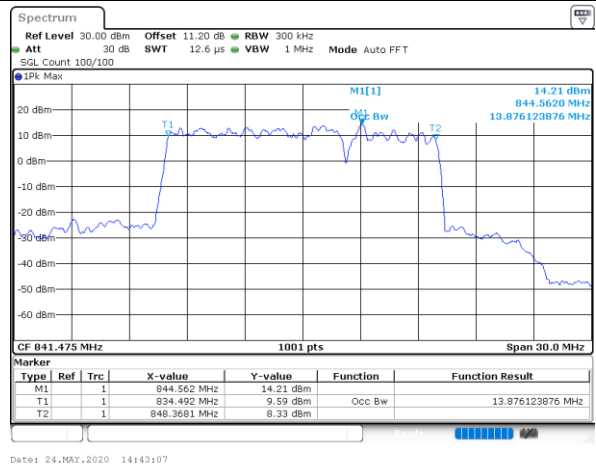
Middle Channel / 10MHz+5MHz

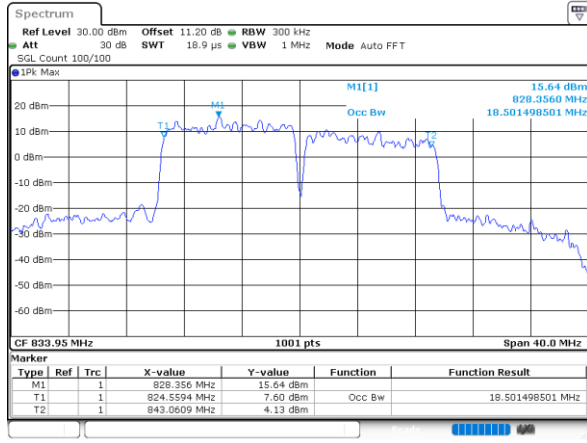
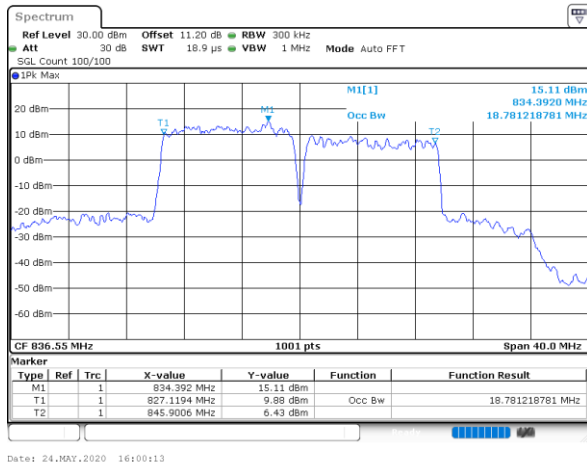
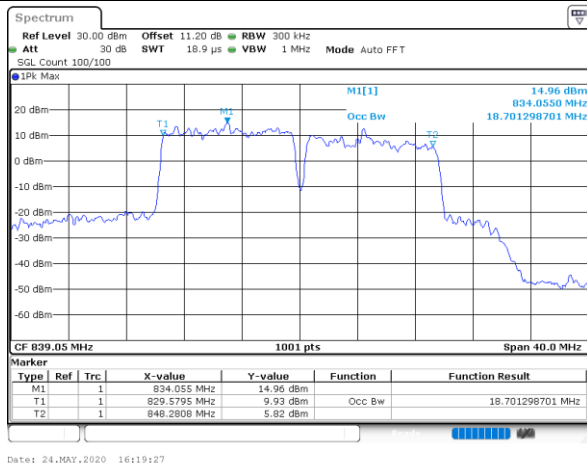


Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



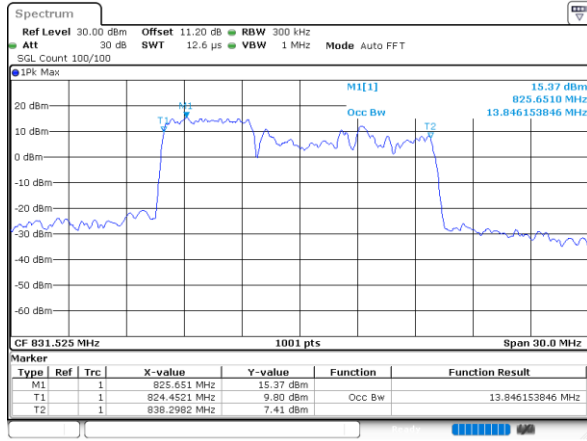
**LTE Band 5B****16QAM****Lowest Channel / 10MHz+10MHz****N/A****Middle Channel / 10MHz+10MHz****N/A****Highest Channel / 10MHz+10MHz****N/A**



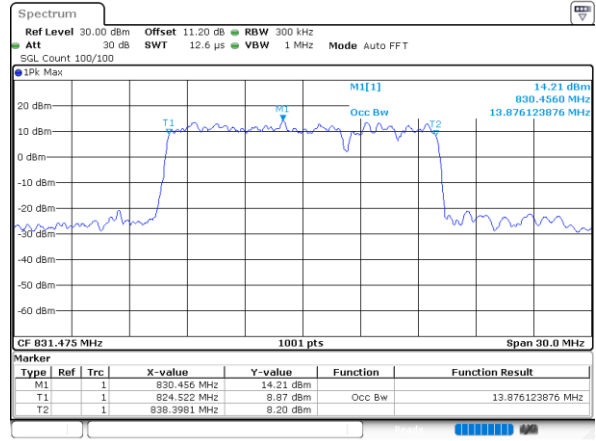
LTE Band 5B

64QAM

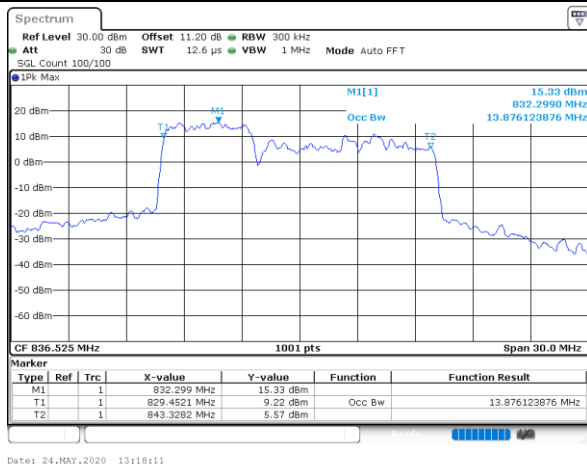
Lowest Channel / 5MHz+10MHz



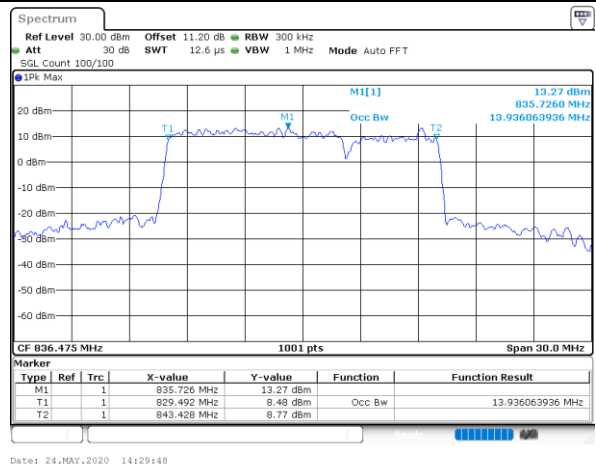
Lowest Channel / 10MHz+5MHz



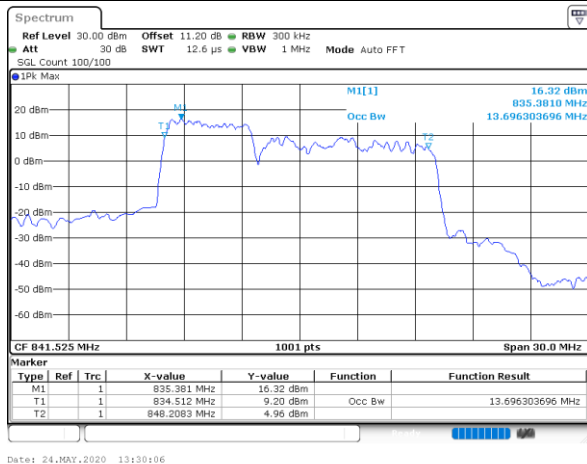
Middle Channel / 5MHz+10MHz



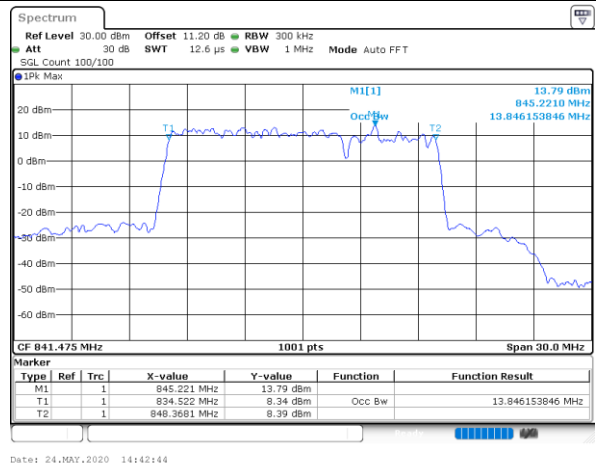
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+10MHz



Highest Channel / 10MHz+5MHz



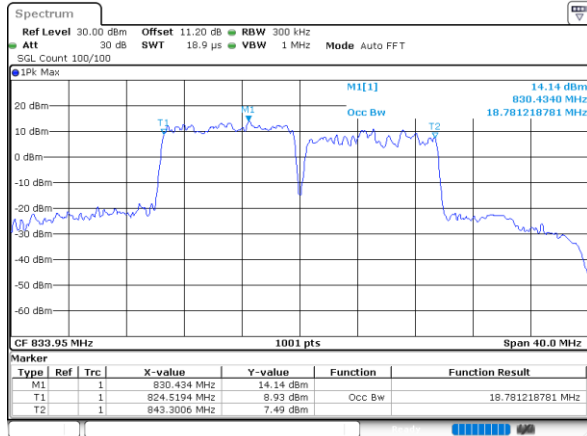


LTE Band 5B

64QAM

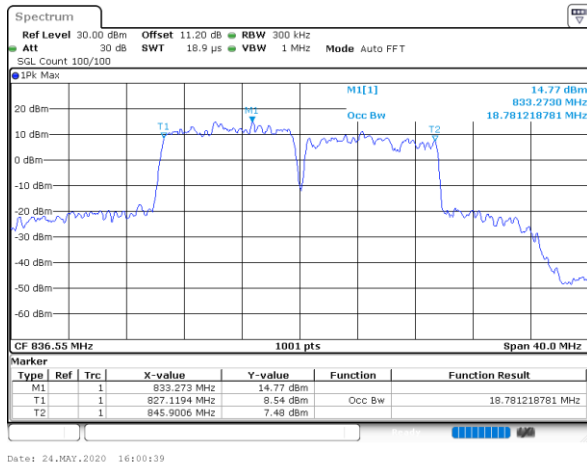
Lowest Channel / 10MHz+10MHz

N/A



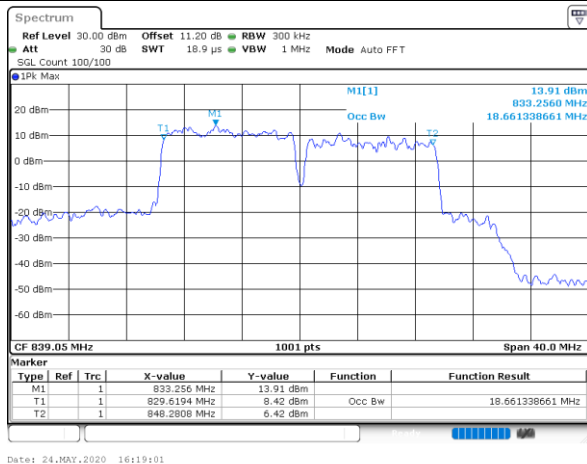
Middle Channel / 10MHz+10MHz

N/A



Highest Channel / 10MHz+10MHz

N/A



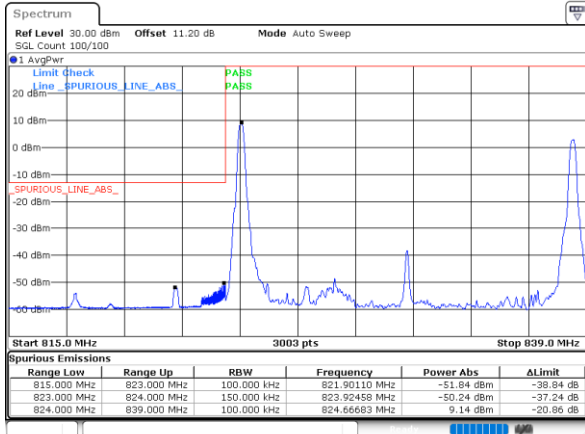


Conducted Band Edge

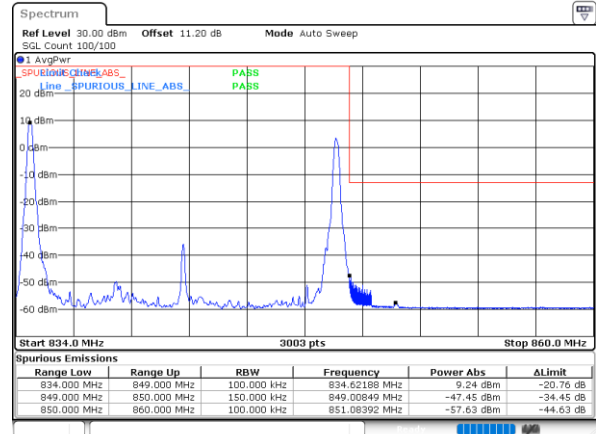
LTE Band 5B / 5MHz+10MHz

QPSK

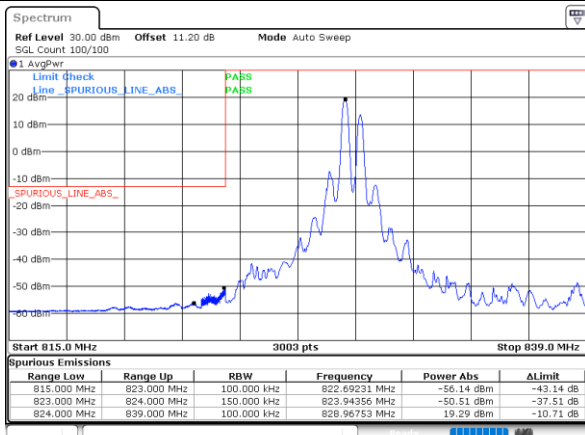
Lowest Band Edge / 1RB0 and 1RB49



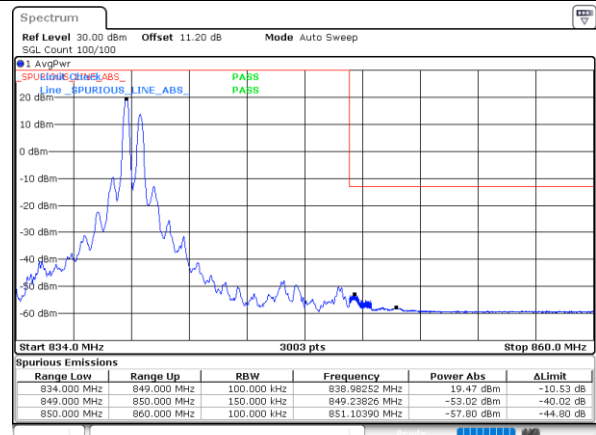
Highest Band Edge / 1RB0 and 1RB49



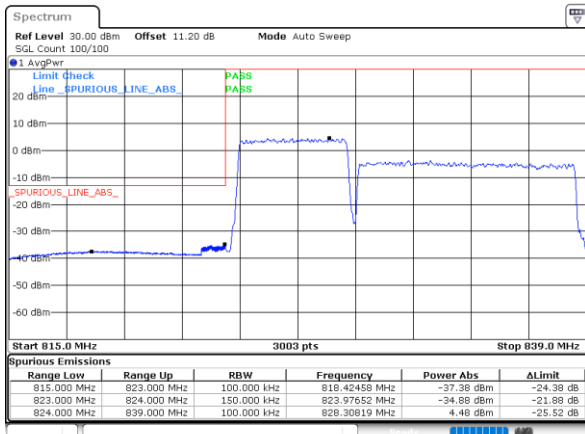
Lowest Band Edge / 1RB24 and 1RB0



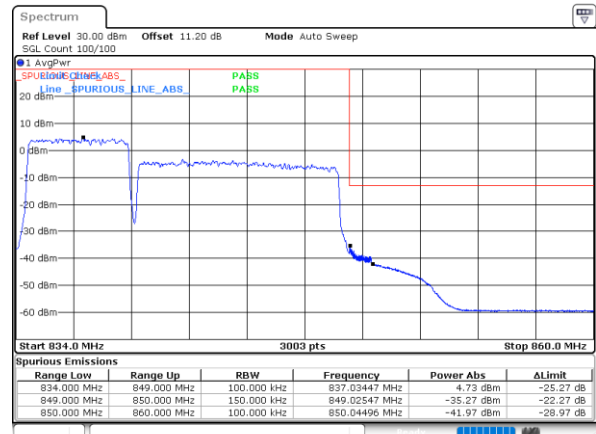
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

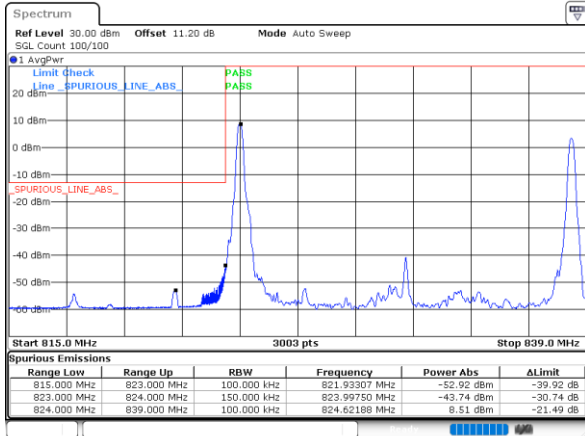




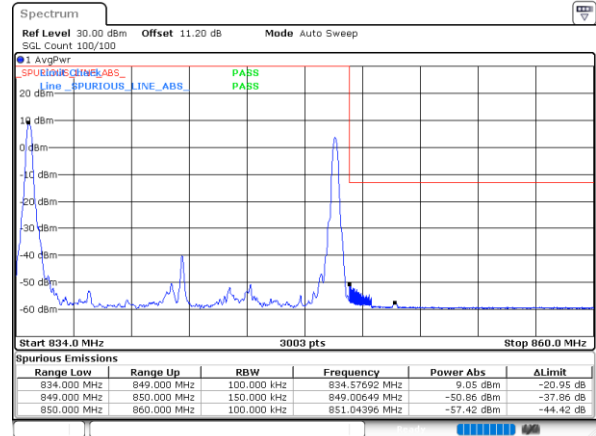
LTE Band 5B / 10MHz+5MHz

QPSK

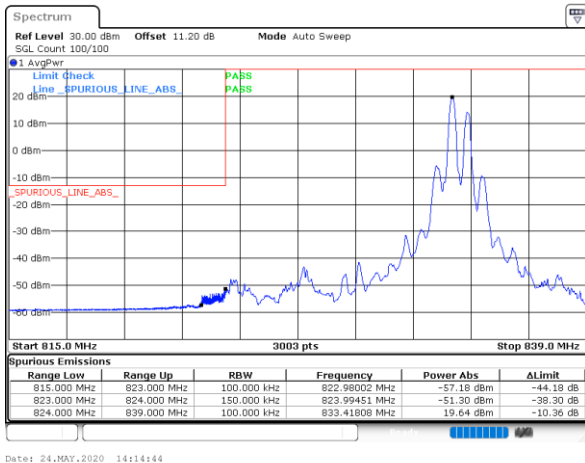
Lowest Band Edge / 1RB0 and 1RB24



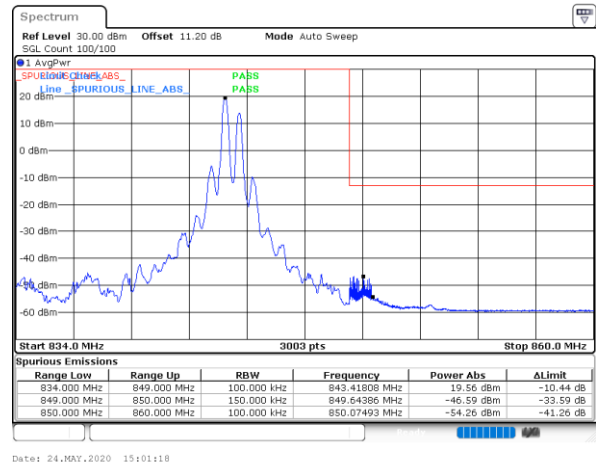
Highest Band Edge / 1RB0 and 1RB24



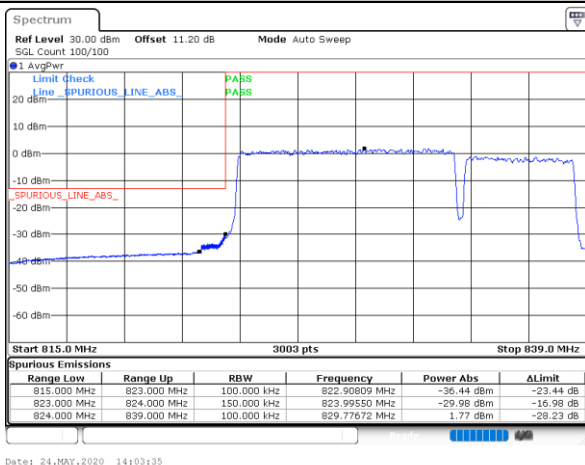
Lowest Band Edge / 1RB49 and 1RB0



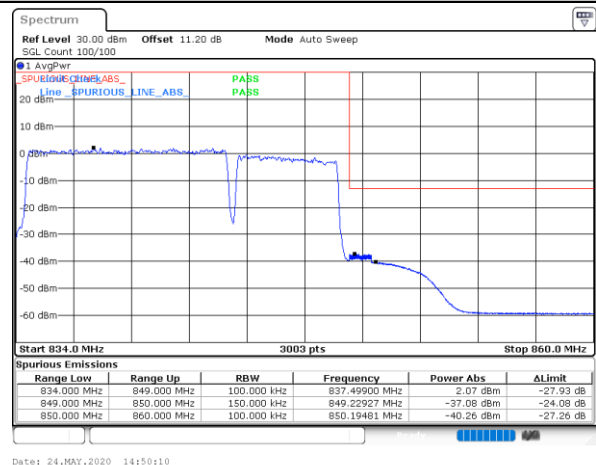
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

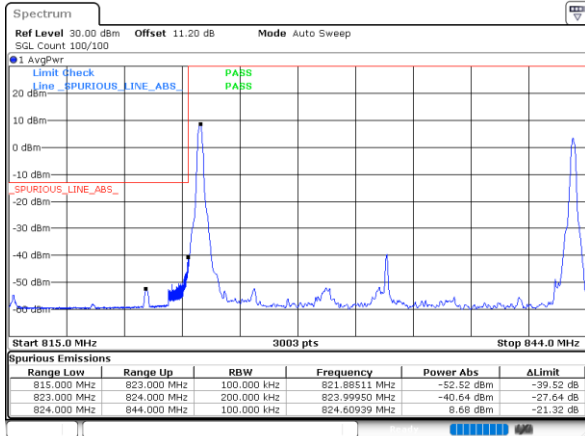




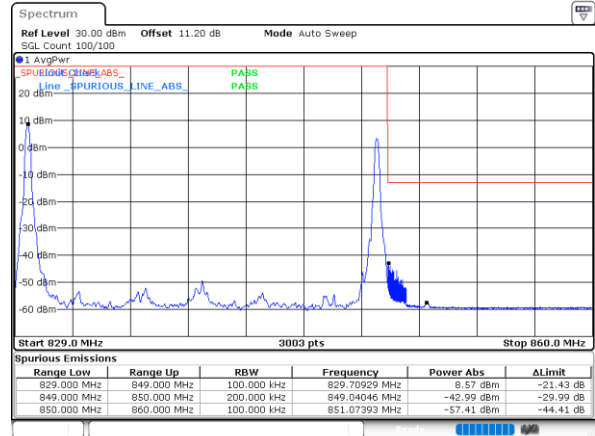
LTE Band 5B / 10MHz+10MHz

QPSK

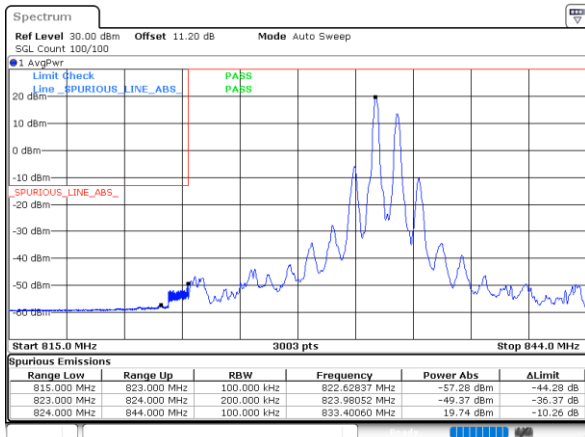
Lowest Band Edge / 1RB0 and 1RB49



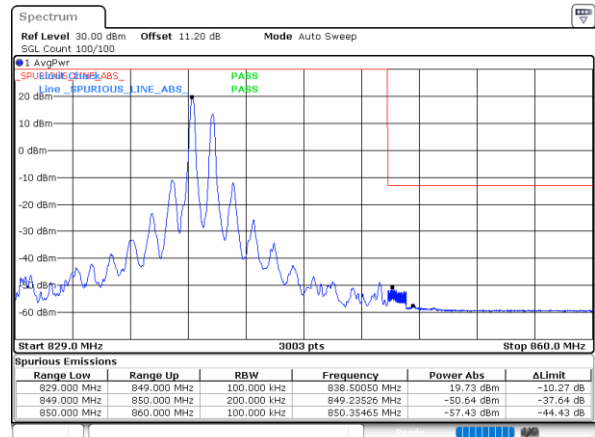
Highest Band Edge / 1RB0 and 1RB49



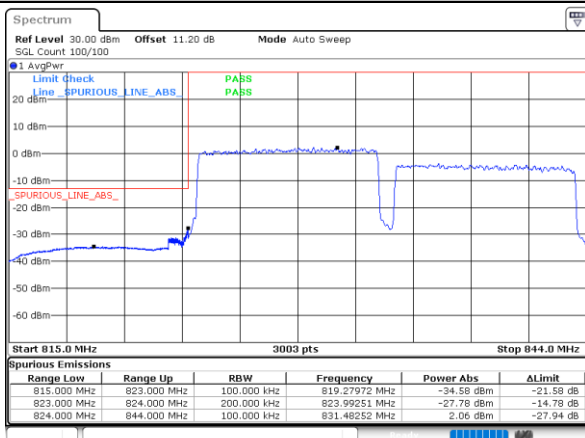
Lowest Band Edge / 1RB49 and 1RB0



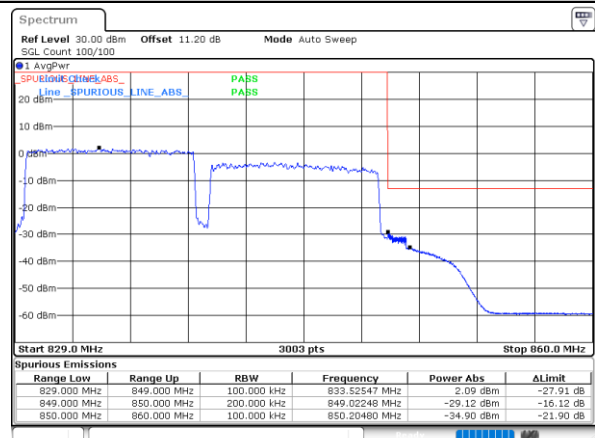
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

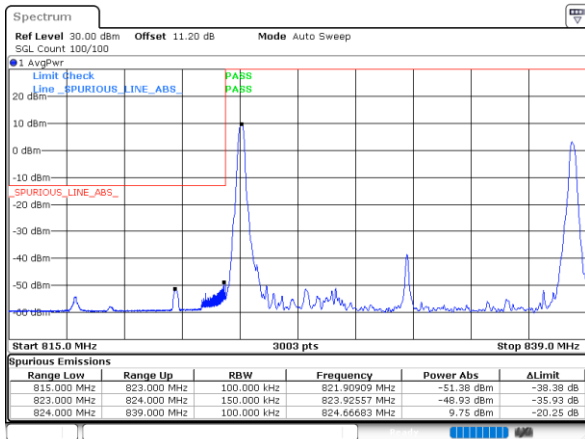




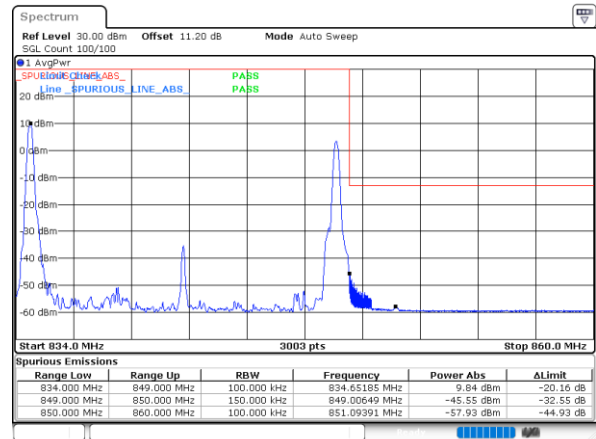
LTE Band 5B / 5MHz+10MHz

16QAM

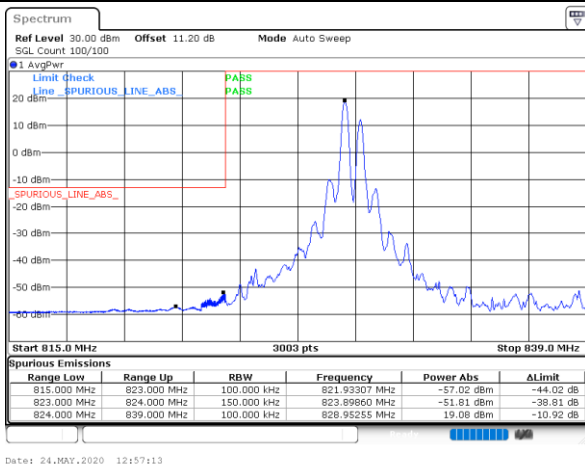
Lowest Band Edge / 1RB0 and 1RB49



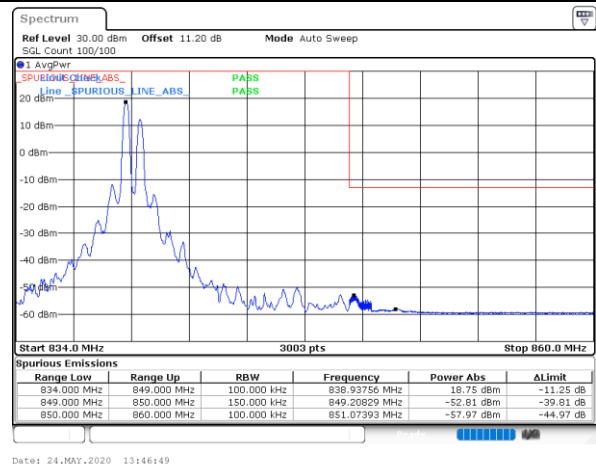
Highest Band Edge / 1RB0 and 1RB49



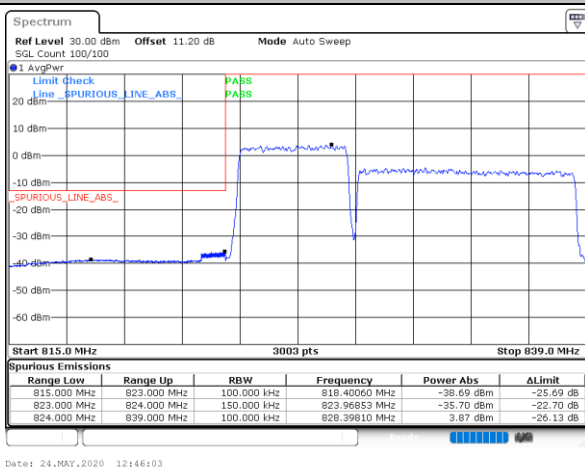
Lowest Band Edge / 1RB24 and 1RB0



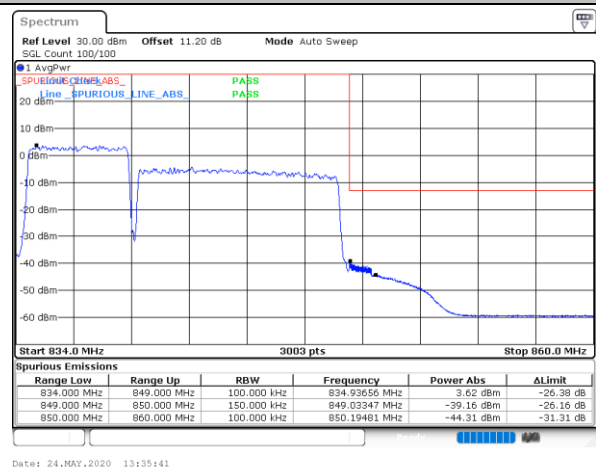
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

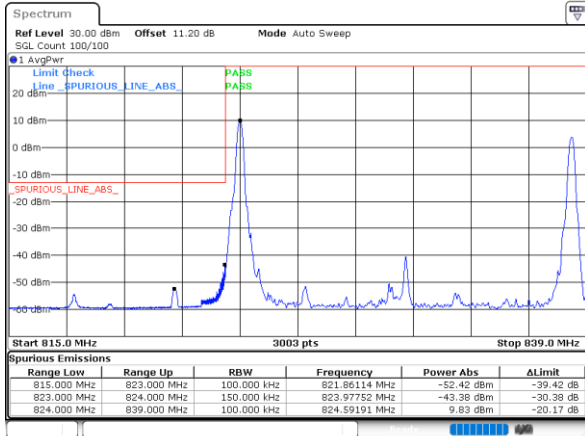




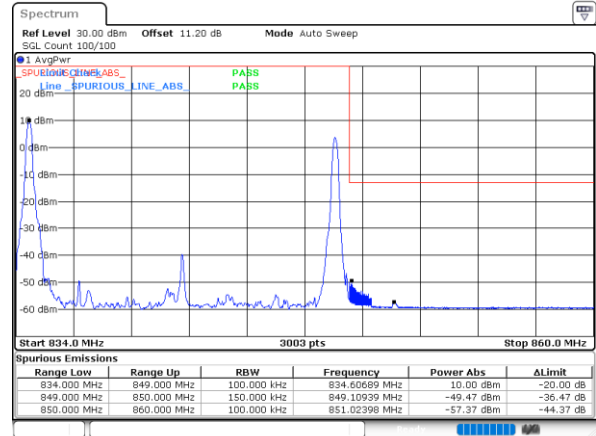
LTE Band 5B / 10MHz+5MHz

16QAM

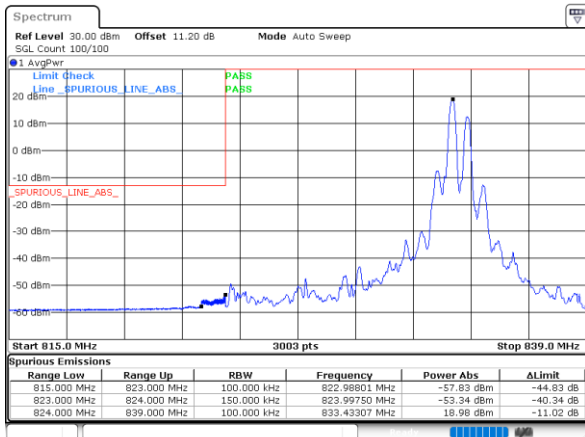
Lowest Band Edge / 1RB0 and 1RB24



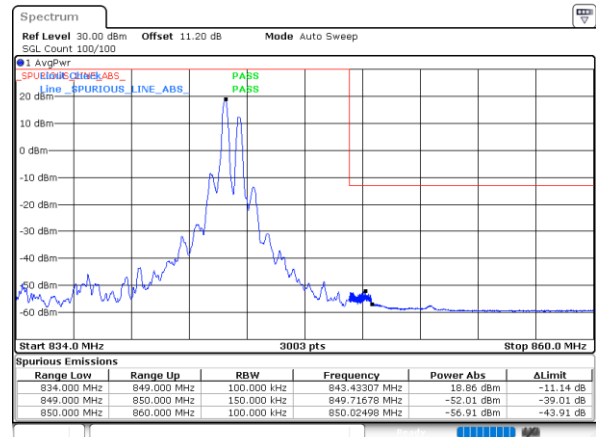
Highest Band Edge / 1RB0 and 1RB24



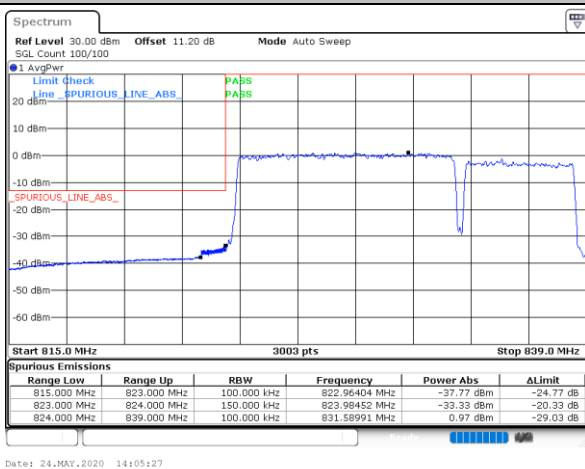
Lowest Band Edge / 1RB49 and 1RB0



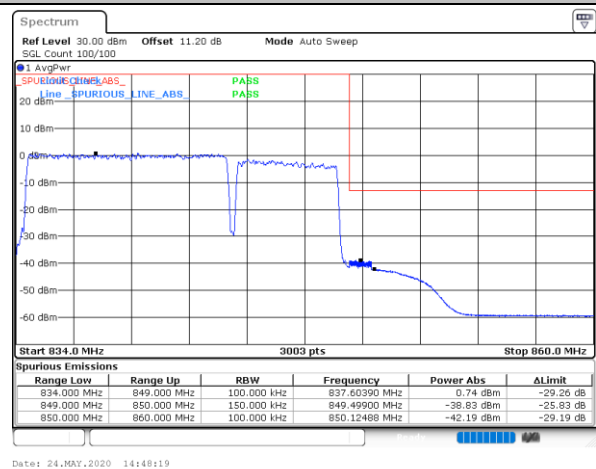
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

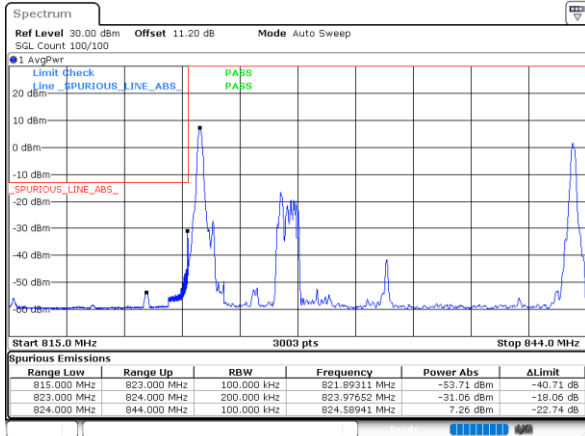




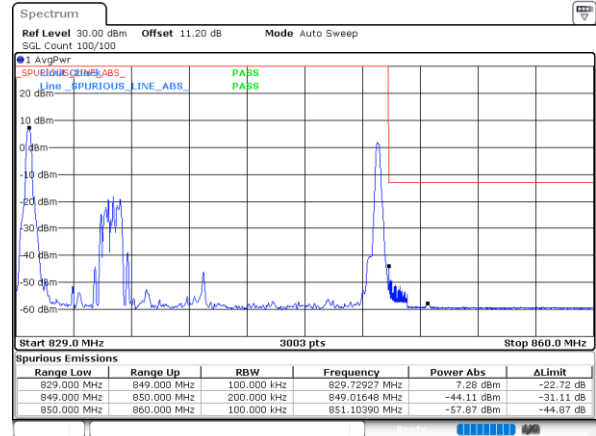
LTE Band 5B / 10MHz+10MHz

16QAM

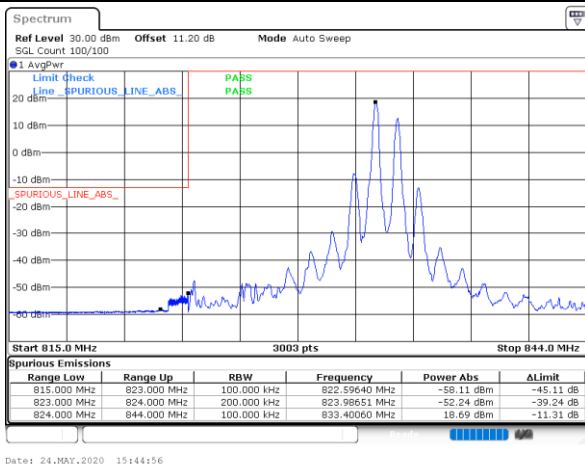
Lowest Band Edge / 1RB0 and 1RB49



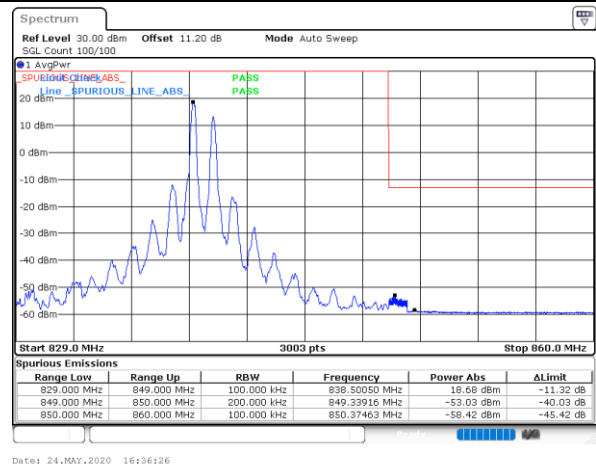
Highest Band Edge / 1RB0 and 1RB49



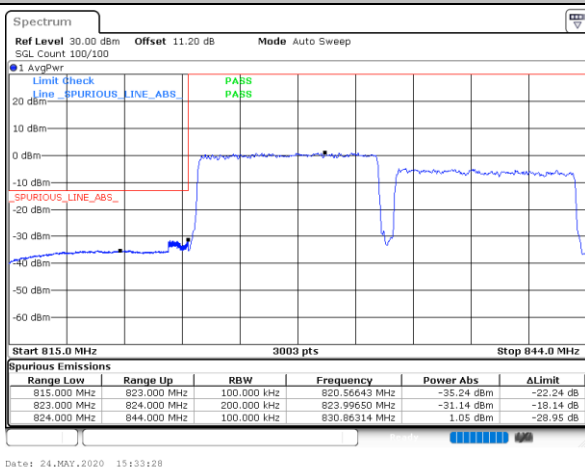
Lowest Band Edge / 1RB49 and 1RB0



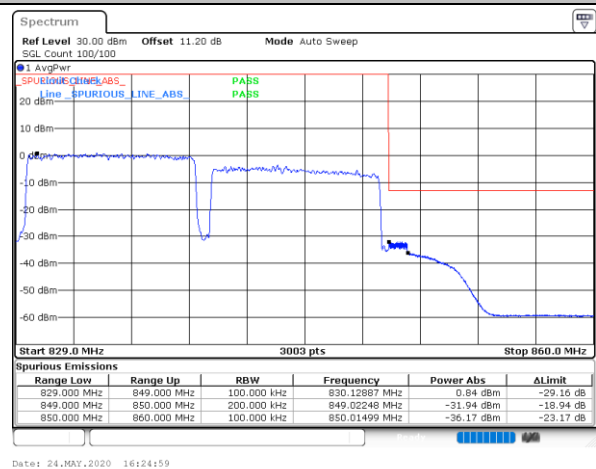
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

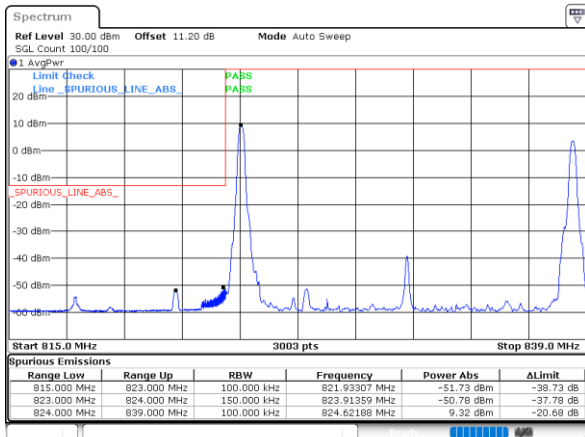




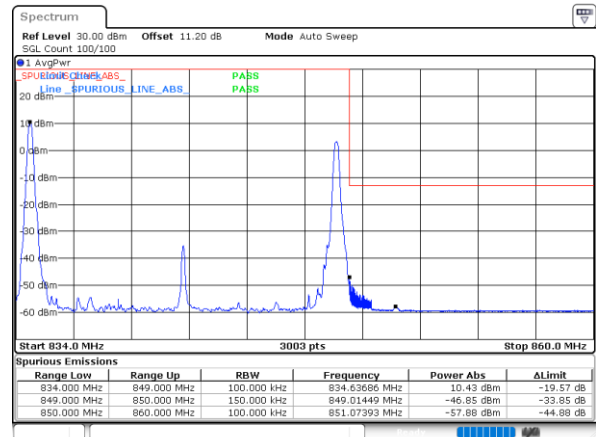
LTE Band 5B / 5MHz+10MHz

64QAM

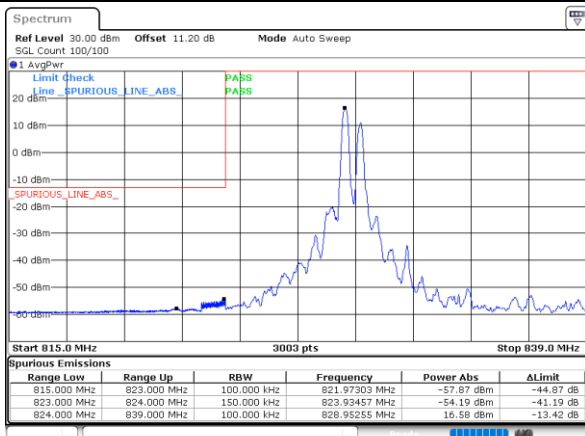
Lowest Band Edge / 1RB0 and 1RB49



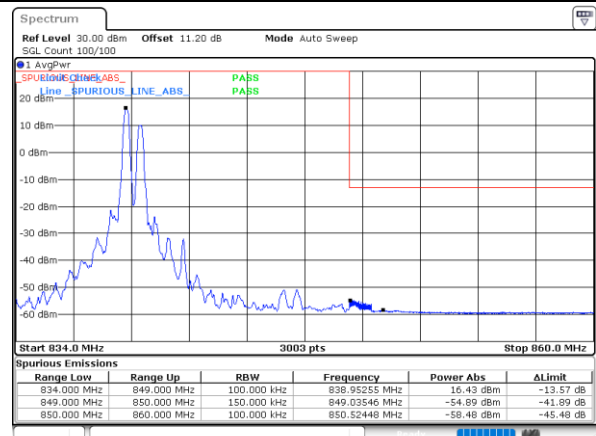
Highest Band Edge / 1RB0 and 1RB49



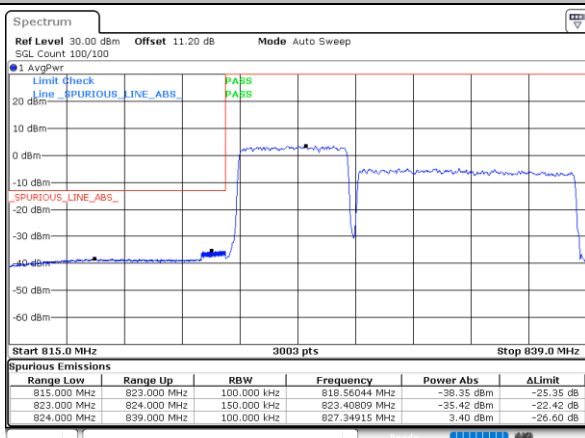
Lowest Band Edge / 1RB24 and 1RB0



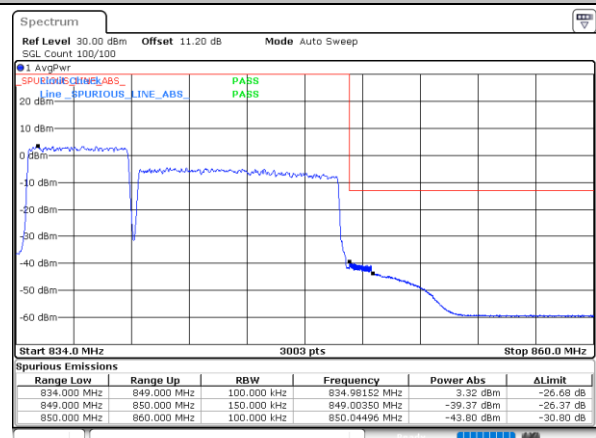
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

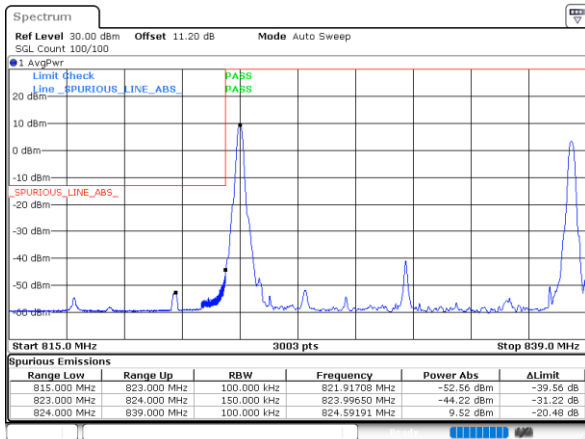




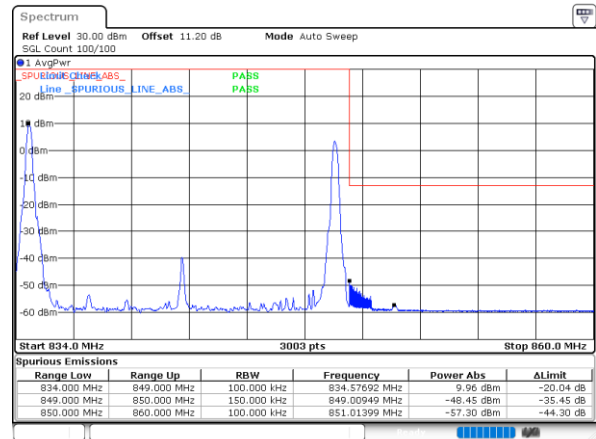
LTE Band 5B / 10MHz+5MHz

64QAM

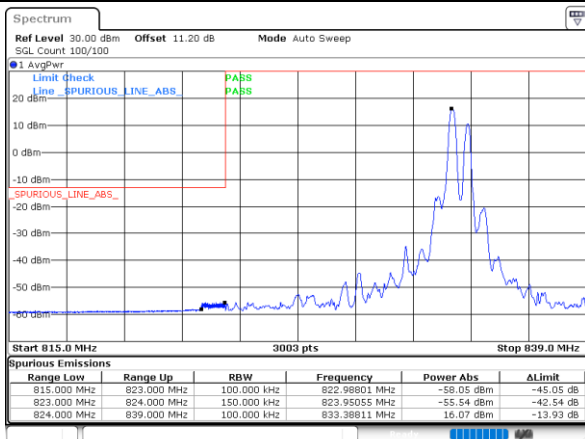
Lowest Band Edge / 1RB0 and 1RB24



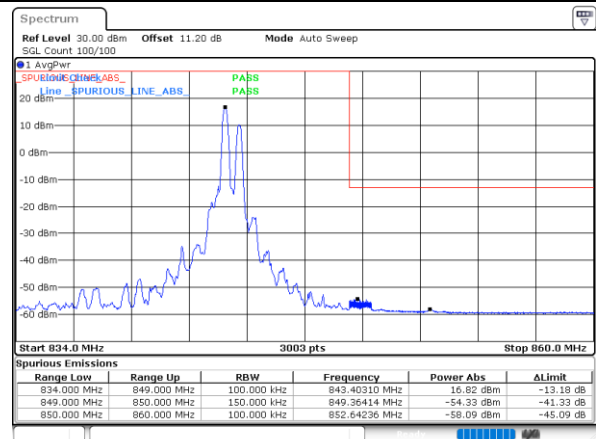
Highest Band Edge / 1RB0 and 1RB24



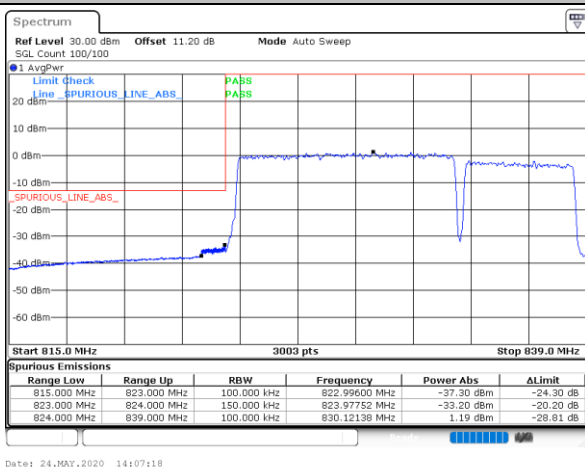
Lowest Band Edge / 1RB49 and 1RB0



Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

