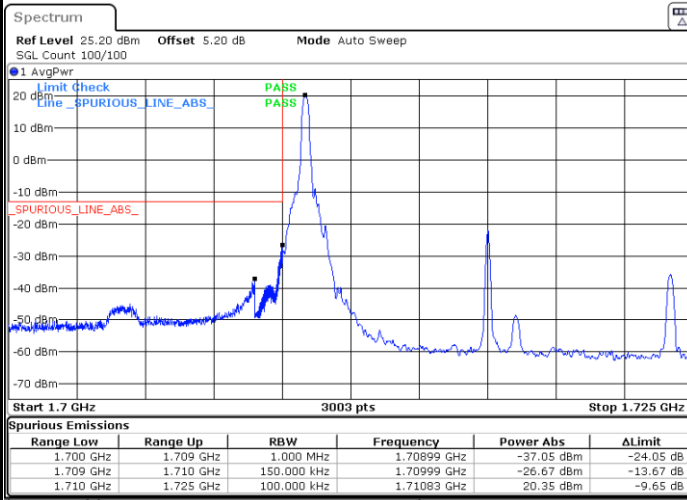




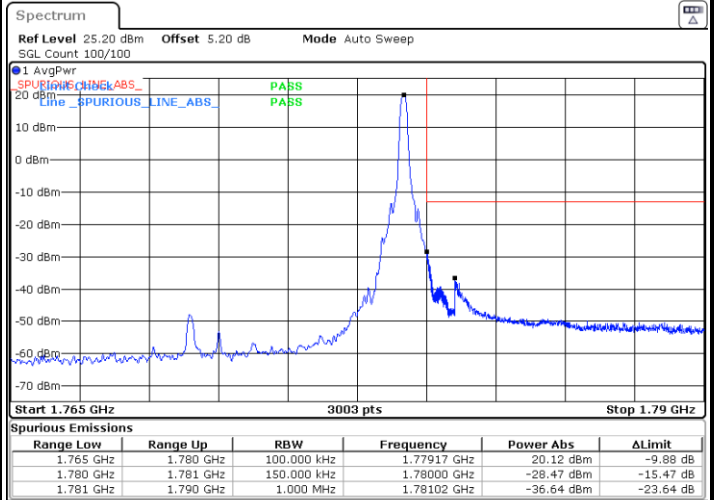
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



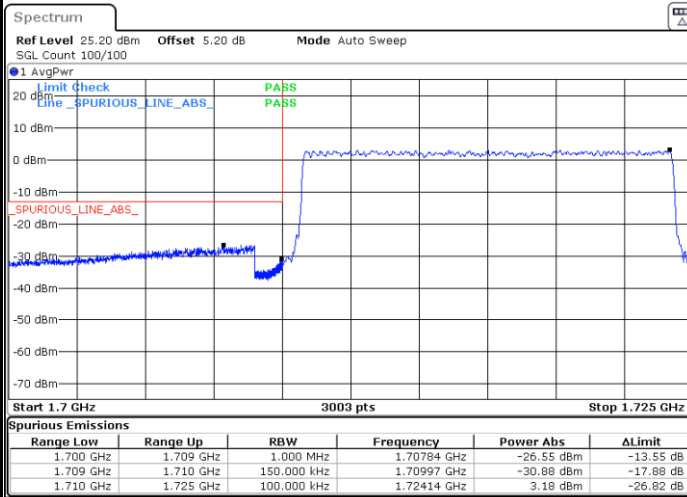
Date: 17.MAY.2023 05:01:26

Highest Band Edge / 1 RB



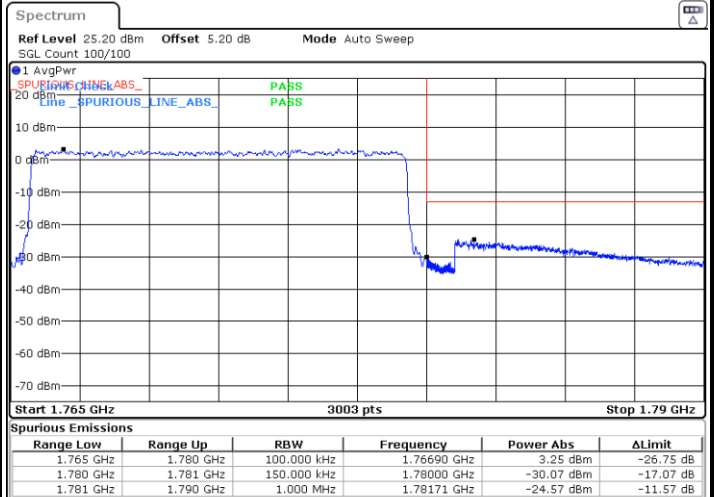
Date: 17.MAY.2023 05:13:10

Lowest Band Edge / Full RB



Date: 17.MAY.2023 05:06:35

Highest Band Edge / Full RB

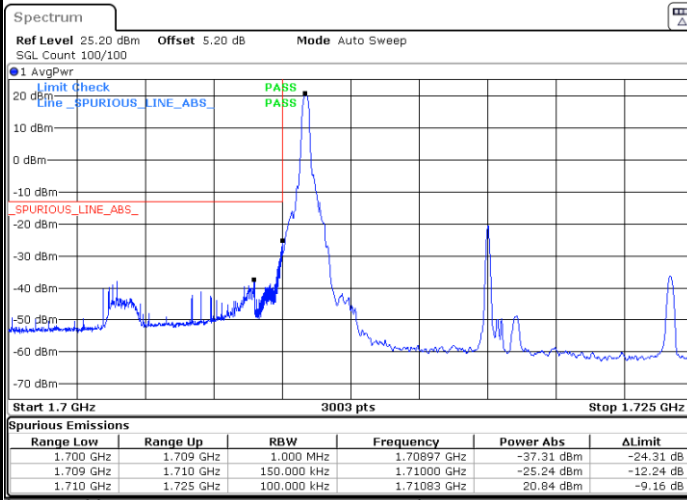


Date: 17.MAY.2023 05:16:15

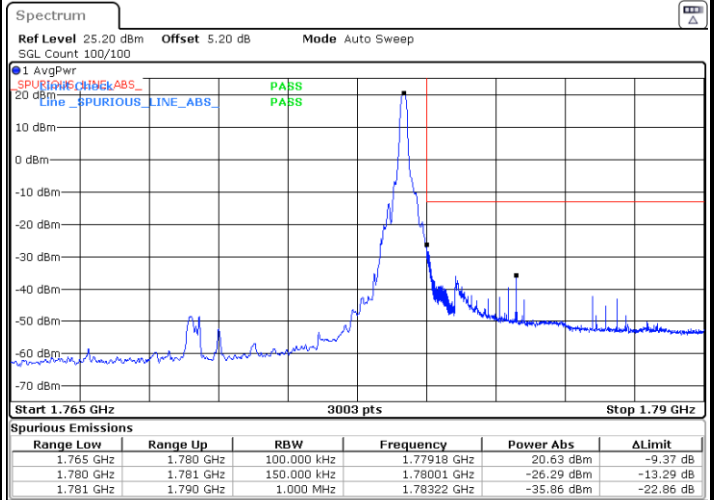


LTE Band 66 / 15MHz / 16QAM

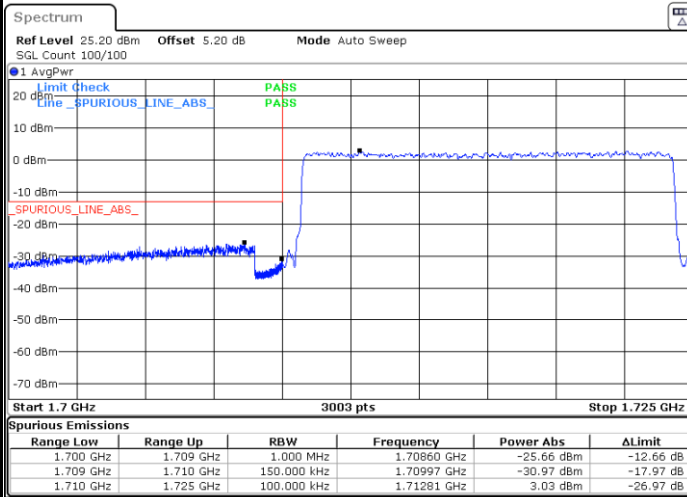
Lowest Band Edge / 1 RB



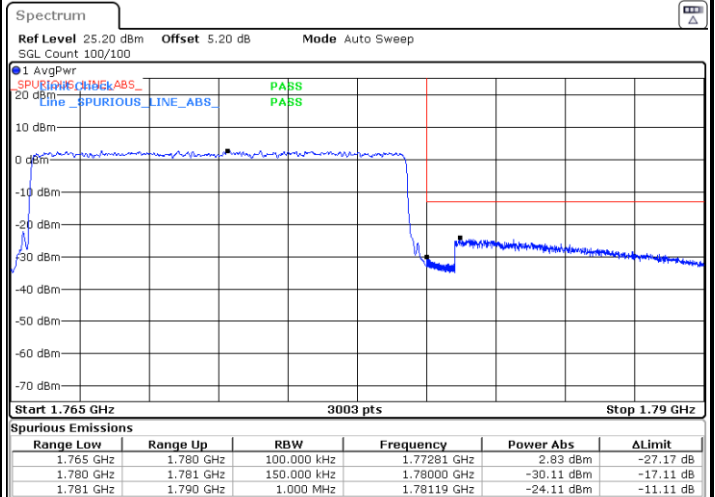
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



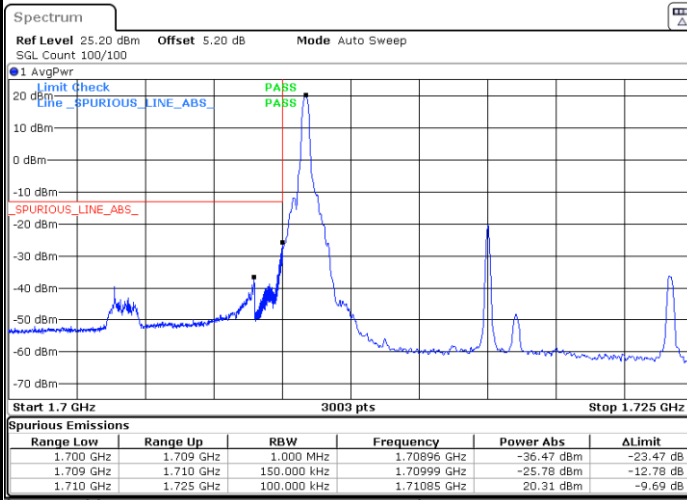
Highest Band Edge / Full RB





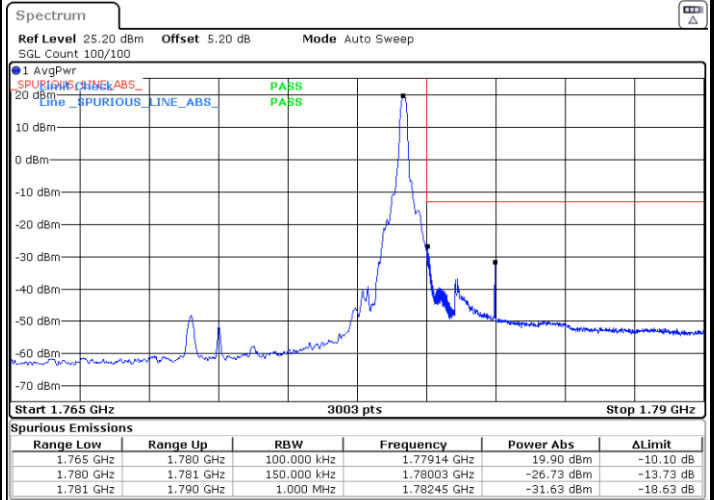
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



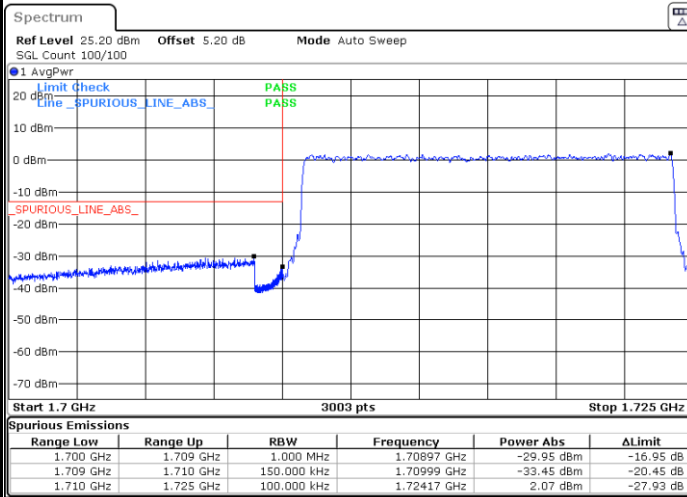
Date: 17.MAY.2023 05:03:38

Highest Band Edge / 1 RB



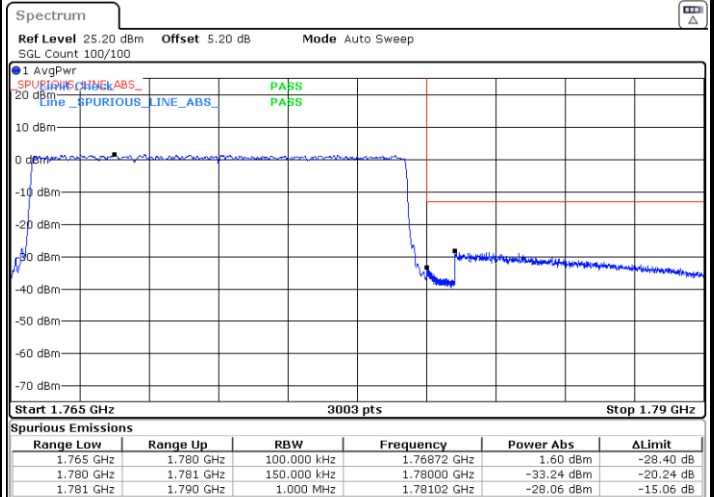
Date: 17.MAY.2023 05:14:41

Lowest Band Edge / Full RB



Date: 17.MAY.2023 05:08:46

Highest Band Edge / Full RB

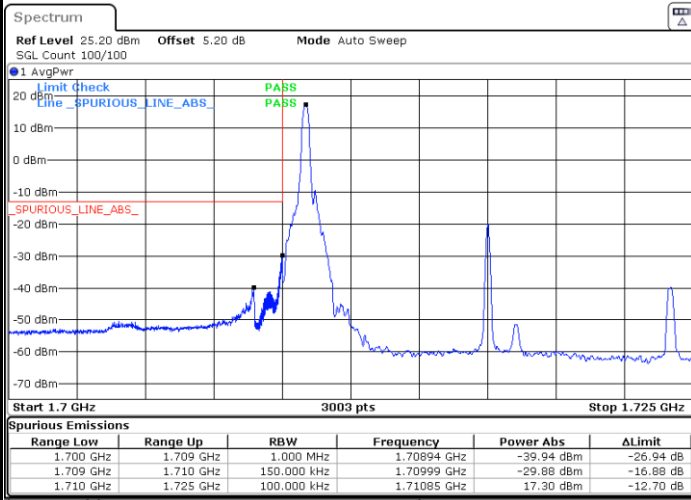


Date: 17.MAY.2023 05:26:25



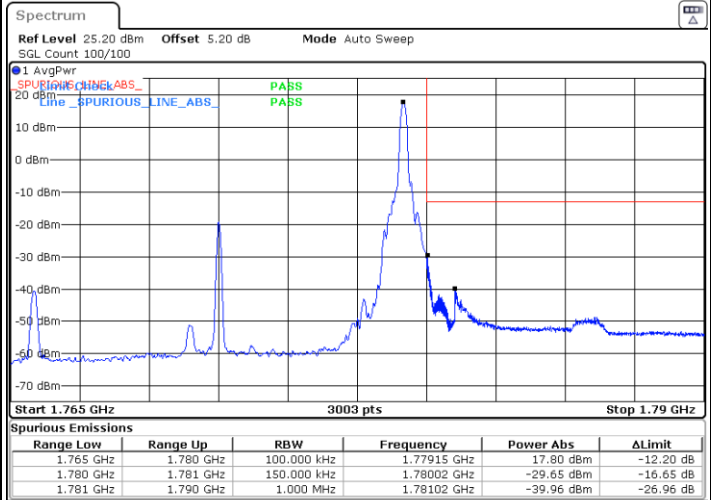
LTE Band 66 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



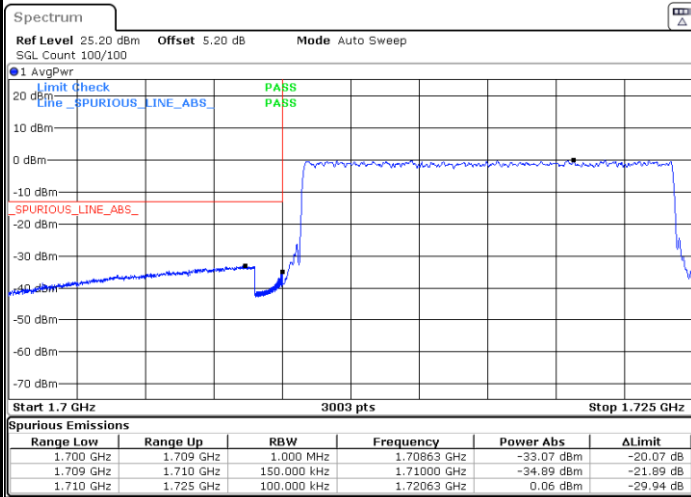
Date: 17.MAY.2023 05:04:44

Highest Band Edge / 1 RB



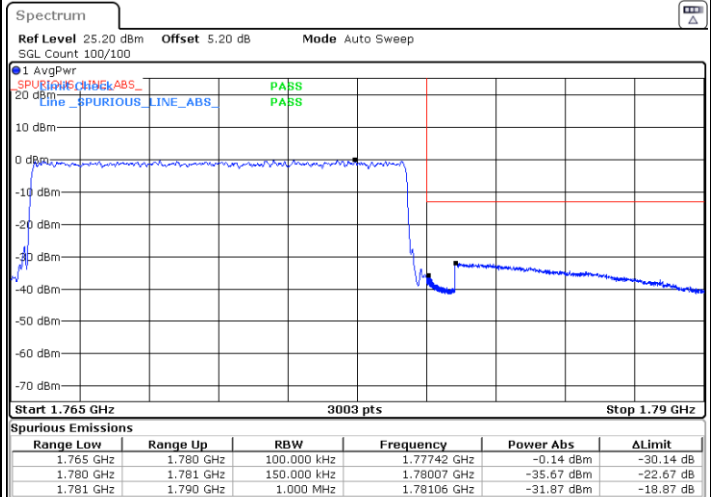
Date: 17.MAY.2023 05:15:26

Lowest Band Edge / Full RB



Date: 17.MAY.2023 05:09:32

Highest Band Edge / Full RB

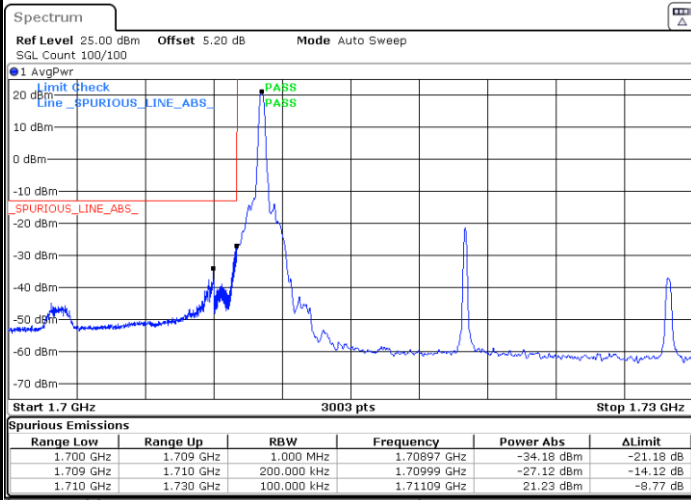


Date: 17.MAY.2023 05:27:10



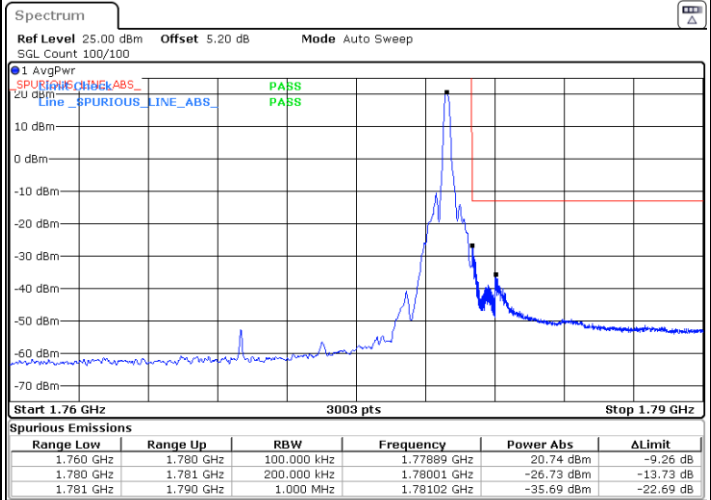
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



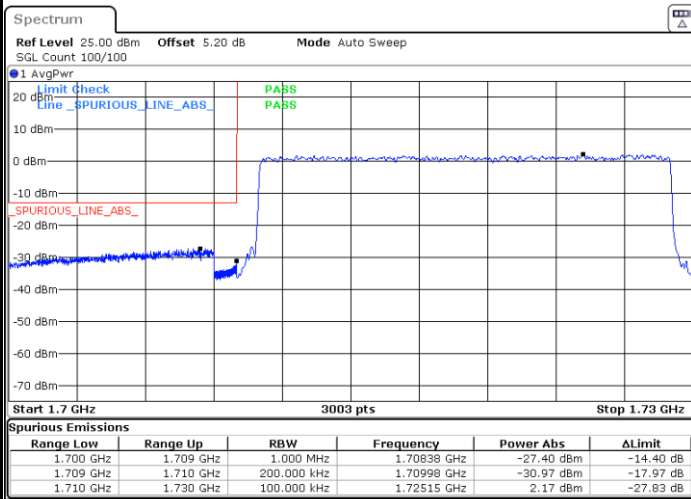
Date: 17.MAY.2023 05:31:06

Highest Band Edge / 1 RB



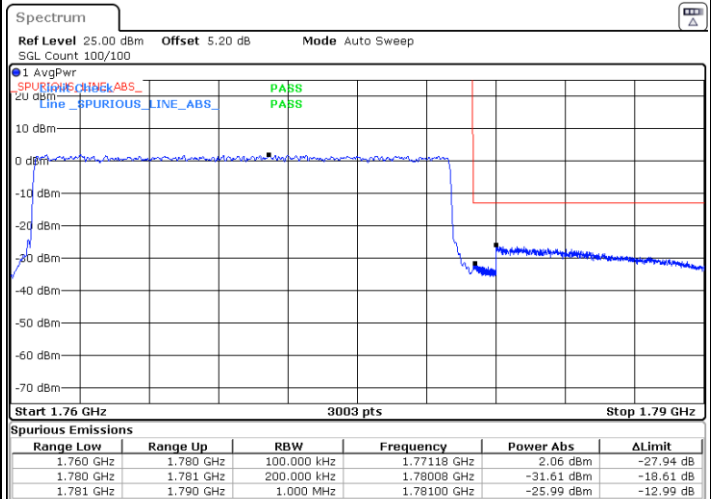
Date: 17.MAY.2023 05:40:00

Lowest Band Edge / Full RB



Date: 17.MAY.2023 05:34:06

Highest Band Edge / Full RB

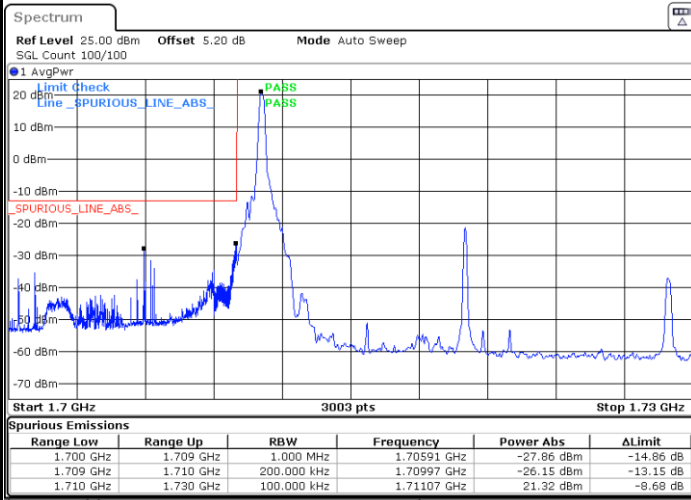


Date: 17.MAY.2023 05:43:03



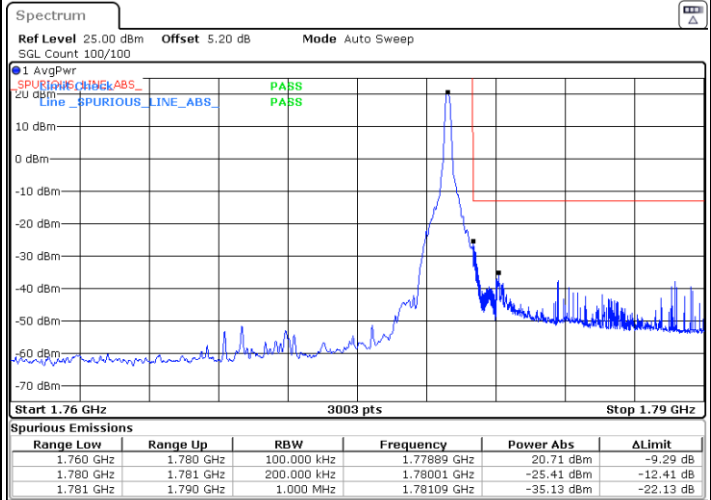
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



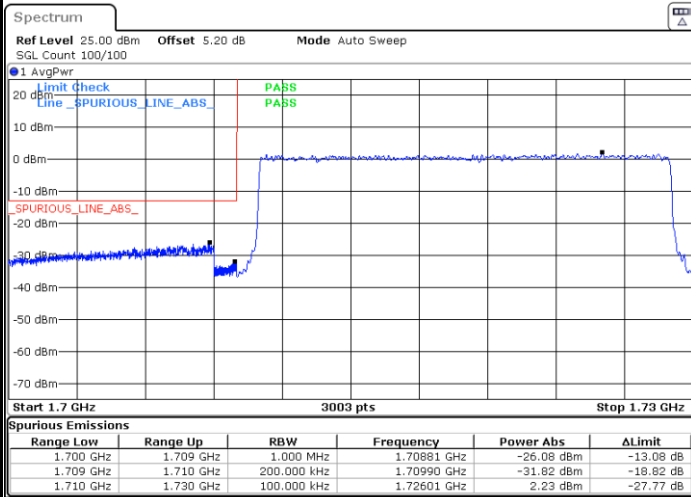
Date: 17.MAY.2023 05:31:51

Highest Band Edge / 1 RB



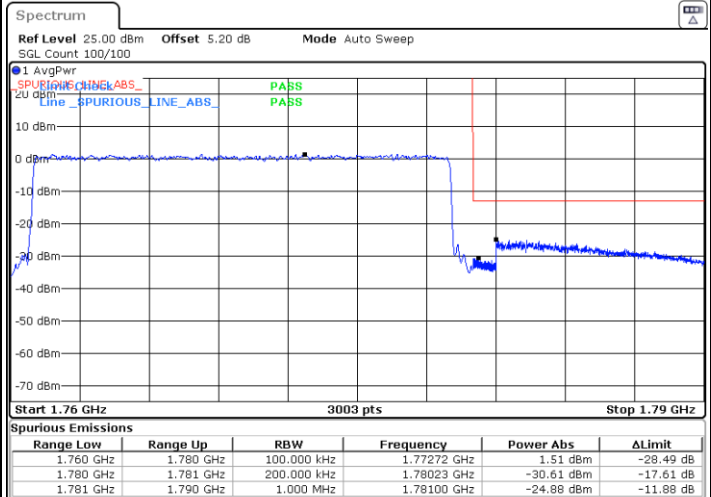
Date: 17.MAY.2023 05:40:45

Lowest Band Edge / Full RB



Date: 17.MAY.2023 05:34:51

Highest Band Edge / Full RB

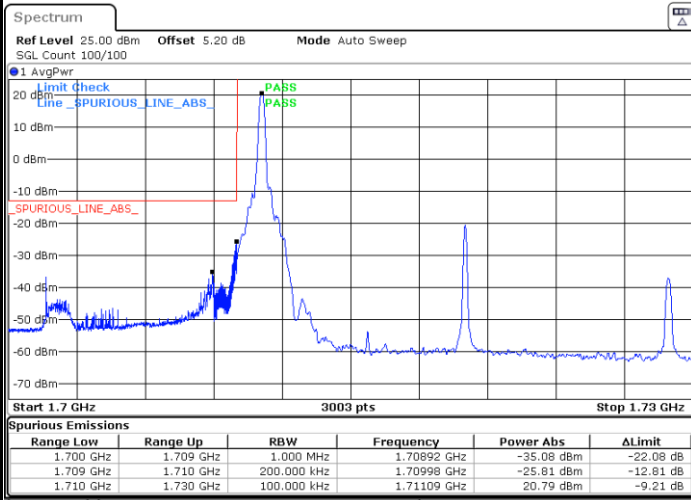


Date: 17.MAY.2023 05:43:48



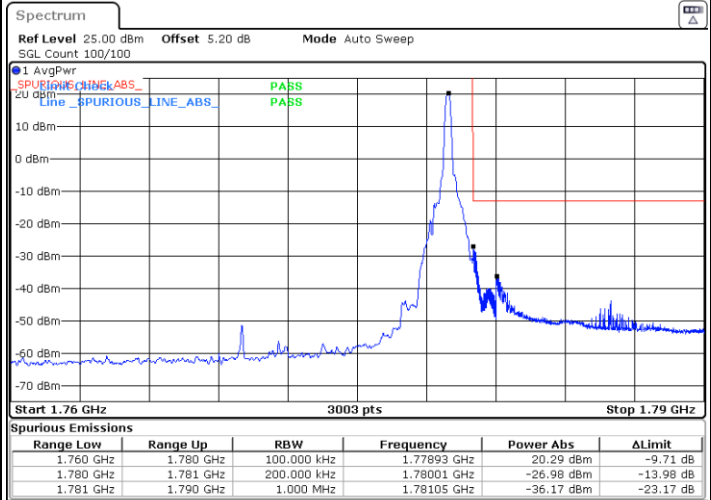
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



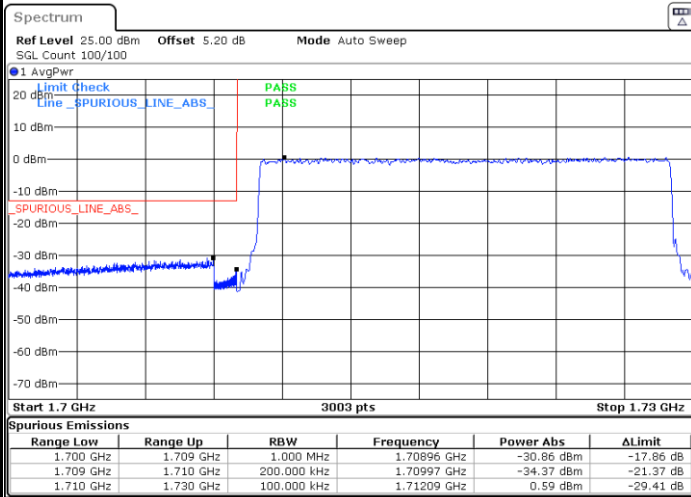
Date: 17.MAY.2023 05:32:36

Highest Band Edge / 1 RB



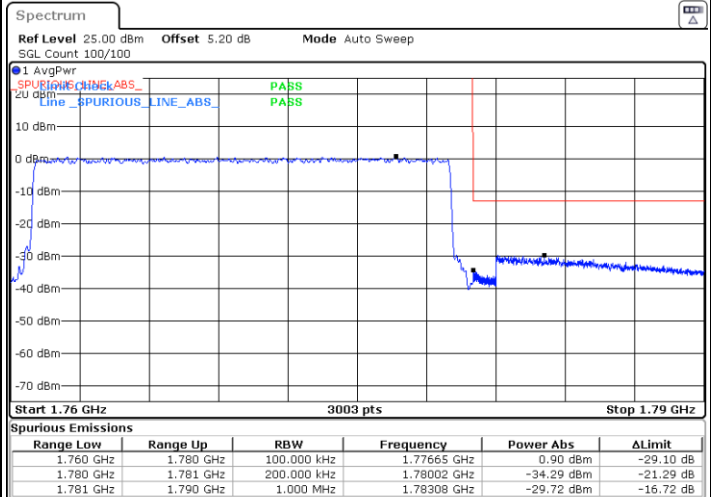
Date: 17.MAY.2023 05:41:30

Lowest Band Edge / Full RB



Date: 17.MAY.2023 05:35:36

Highest Band Edge / Full RB

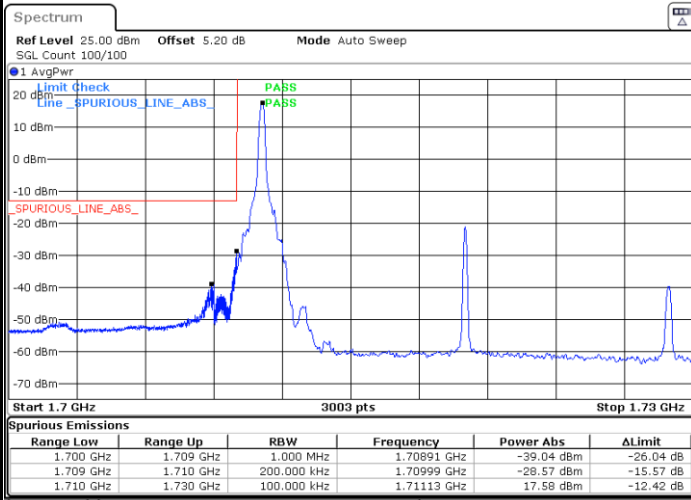


Date: 17.MAY.2023 05:44:33



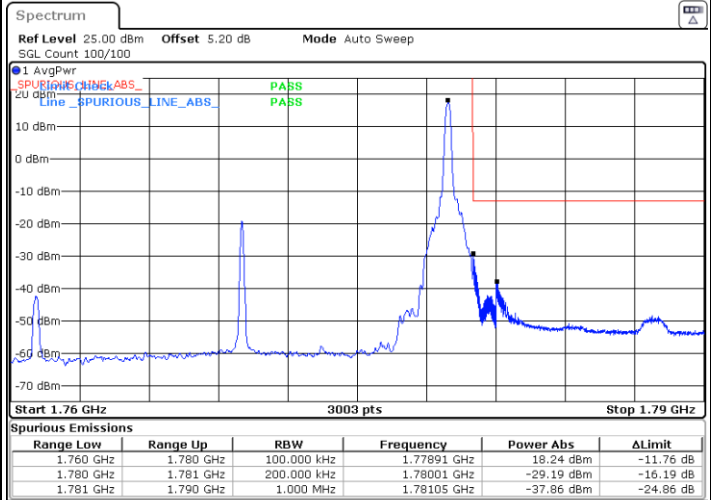
LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



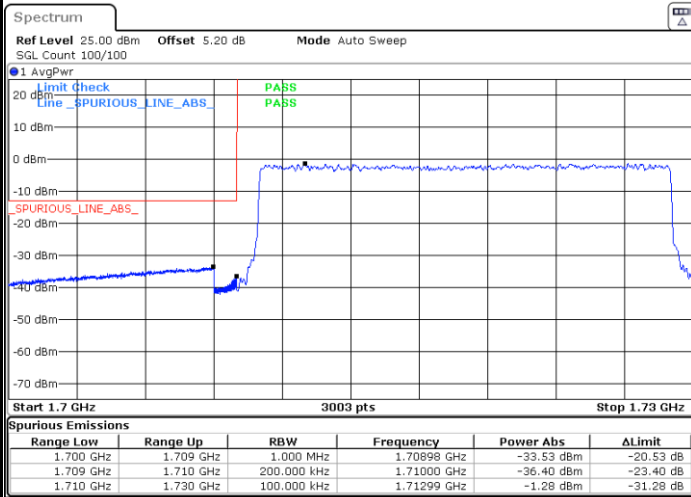
Date: 17.MAY.2023 05:33:21

Highest Band Edge / 1 RB



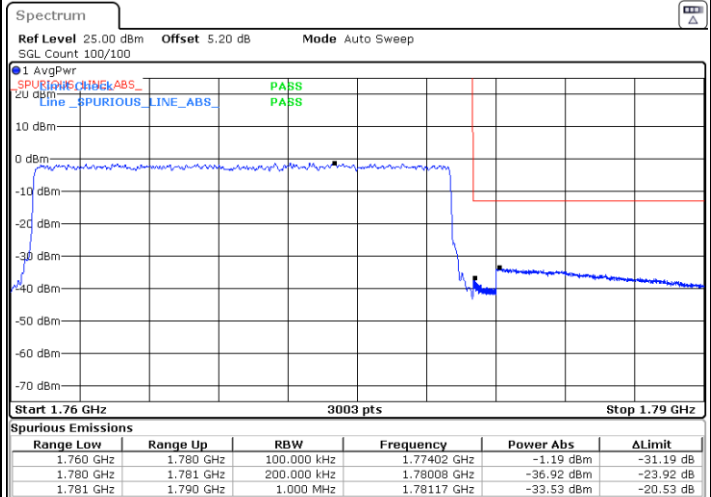
Date: 17.MAY.2023 05:42:15

Lowest Band Edge / Full RB



Date: 17.MAY.2023 05:36:22

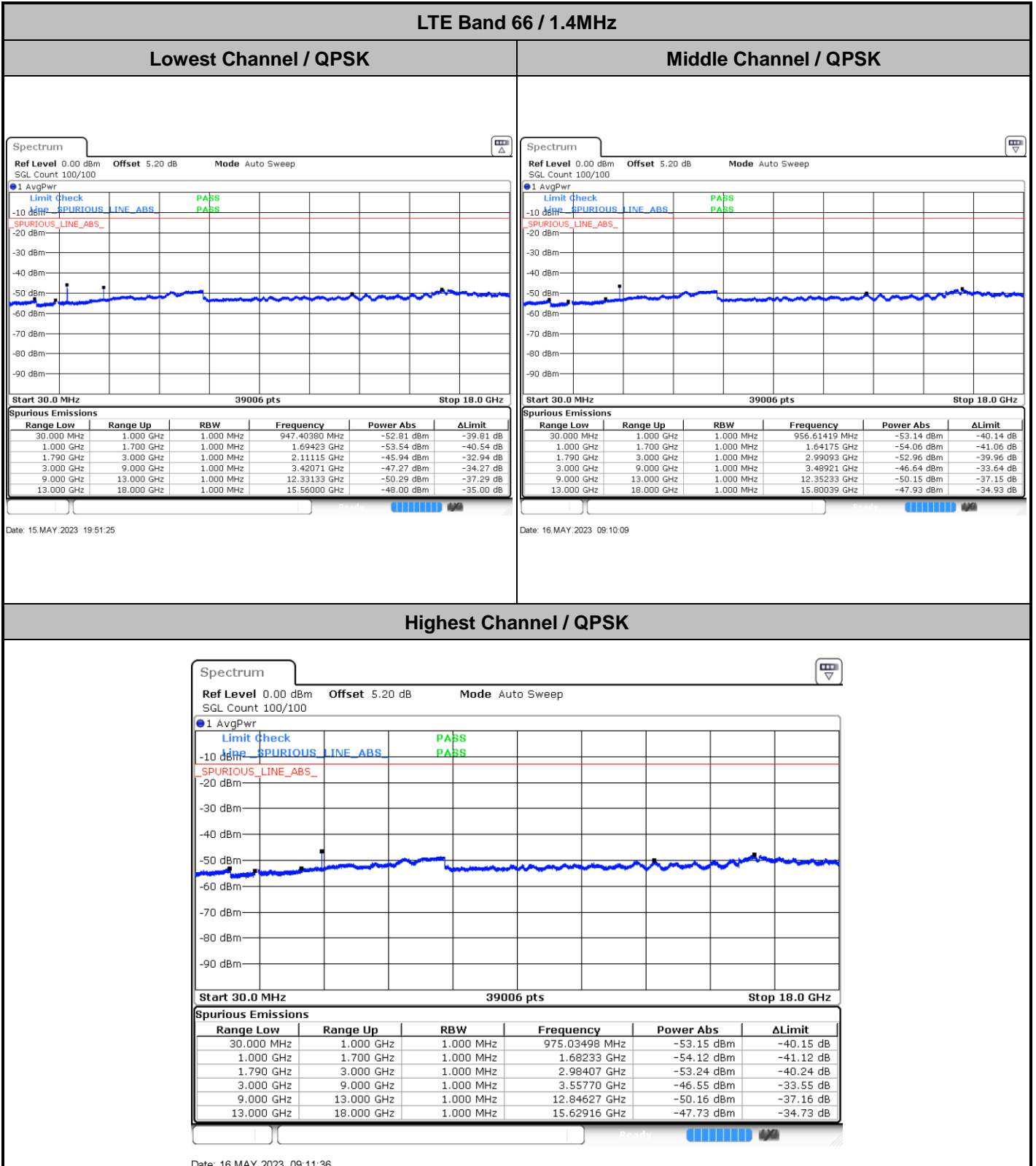
Highest Band Edge / Full RB



Date: 17.MAY.2023 05:45:18



Conducted Spurious Emission

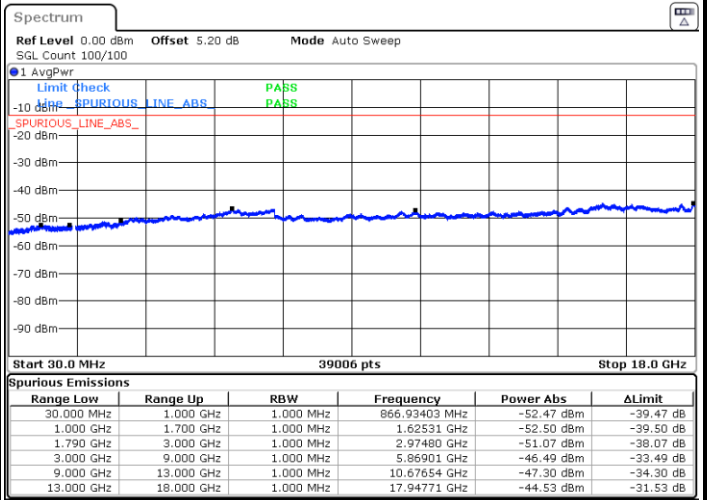
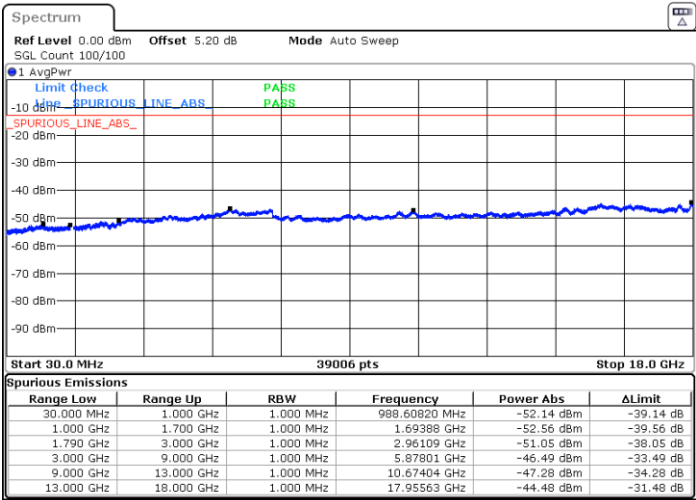




LTE Band 66 / 3MHz

Lowest Channel / QPSK

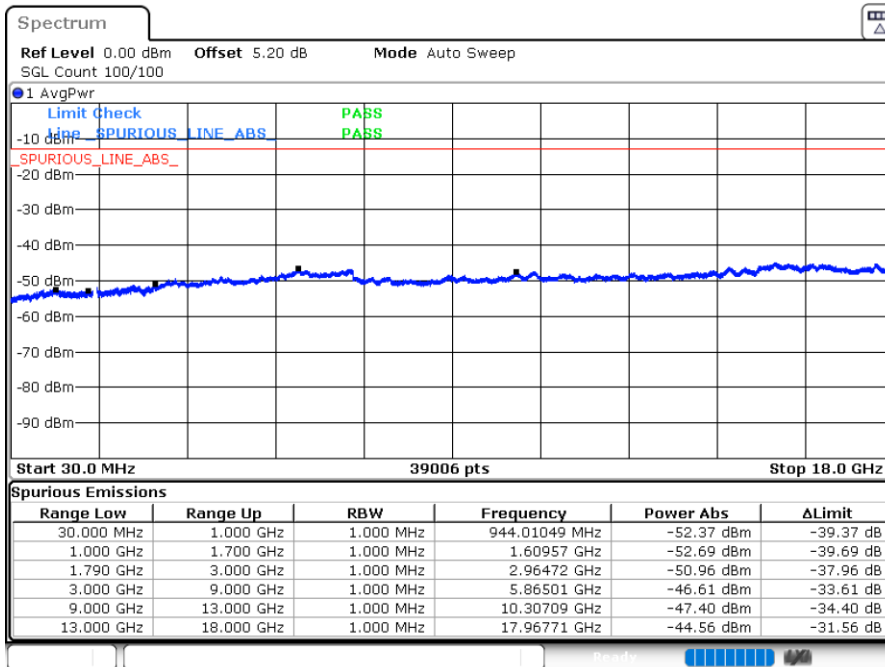
Middle Channel / QPSK



Date: 17.MAY.2023 03:45:33

Date: 17.MAY.2023 03:58:13

Highest Channel / QPSK



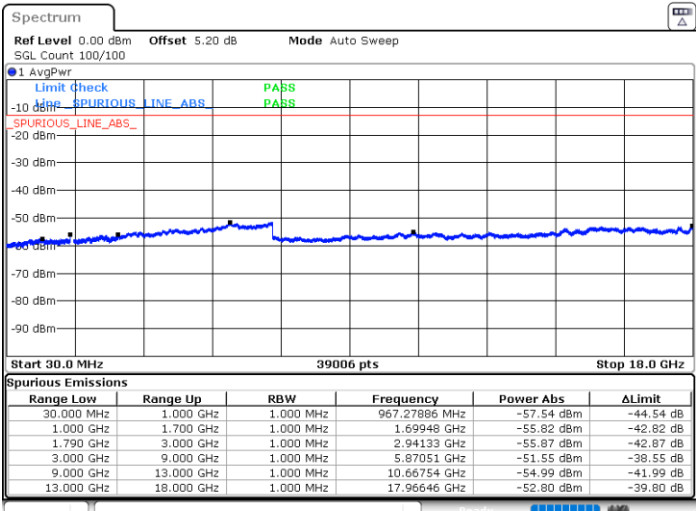
Date: 17.MAY.2023 03:59:39



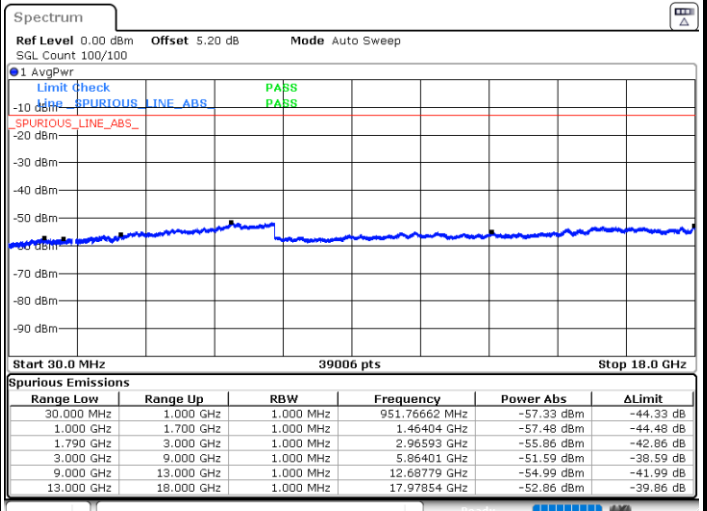
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

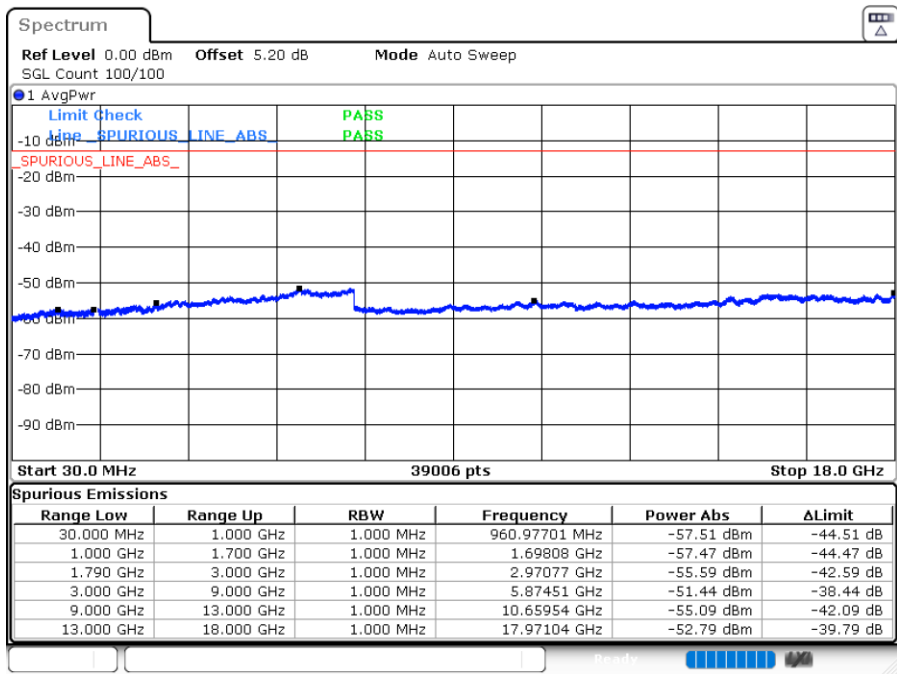


Date: 17.MAY.2023 04:15:00



Date: 17.MAY.2023 04:25:11

Highest Channel / QPSK

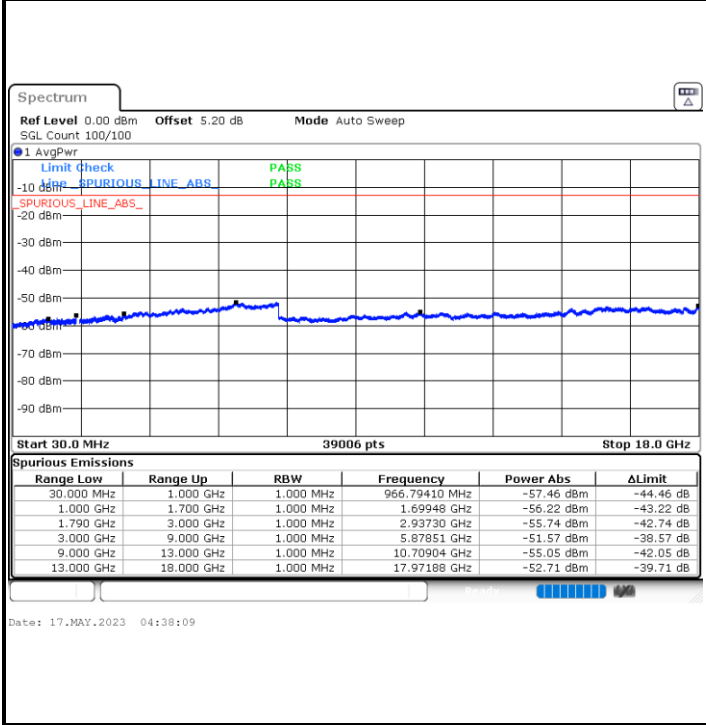


Date: 17.MAY.2023 04:26:36

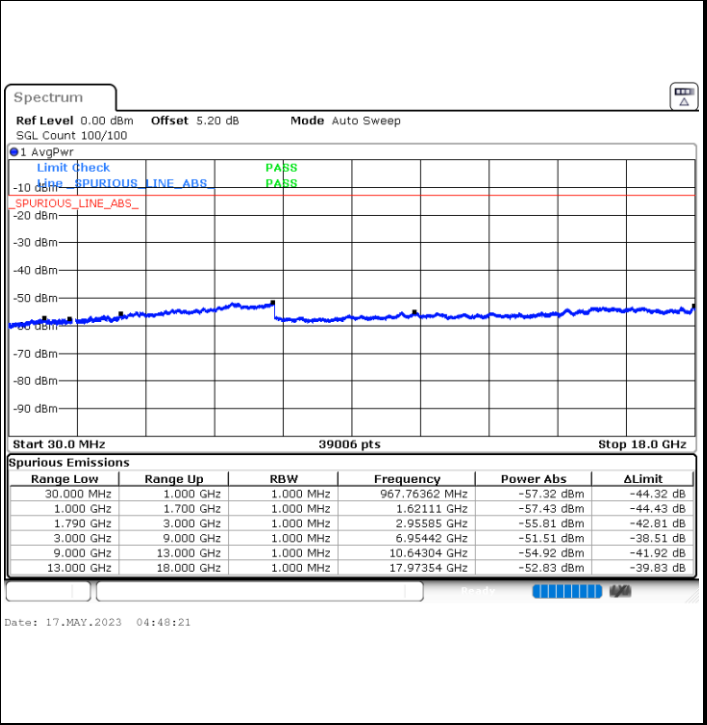


LTE Band 66 / 10MHz

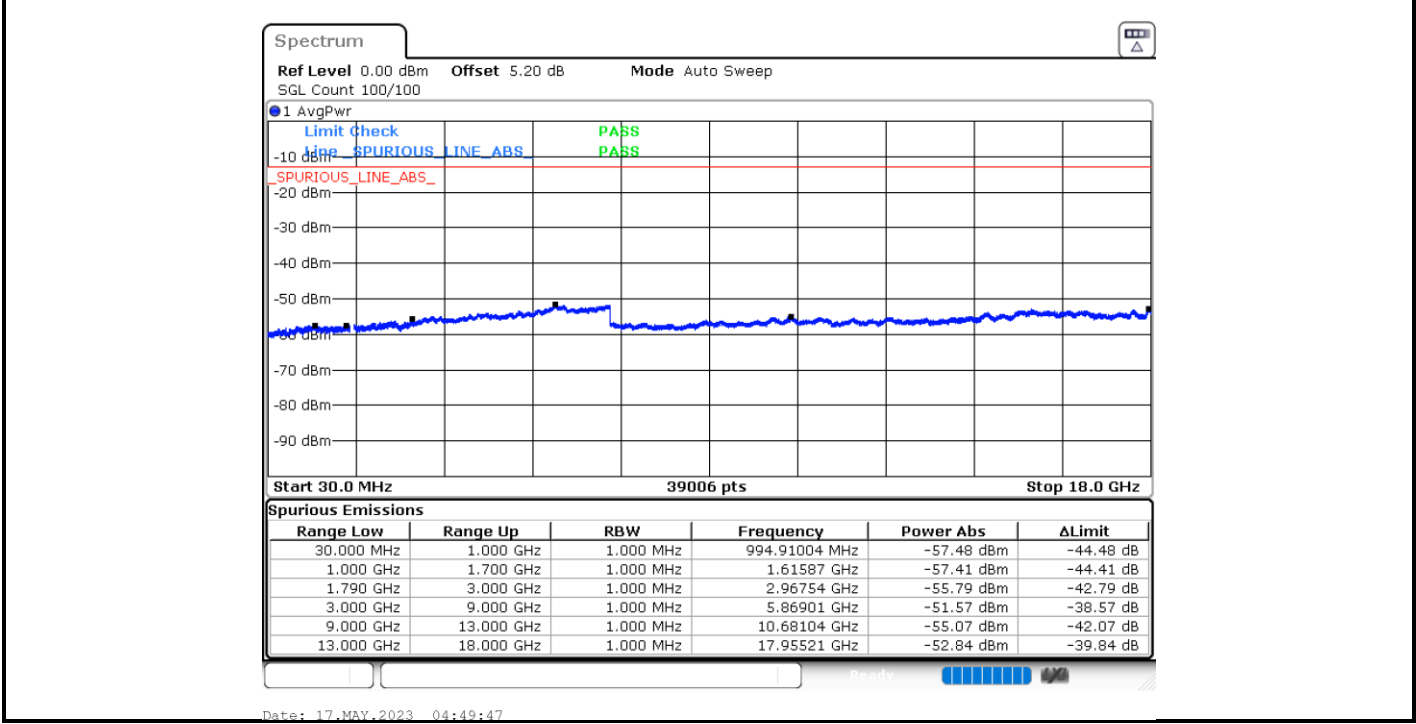
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

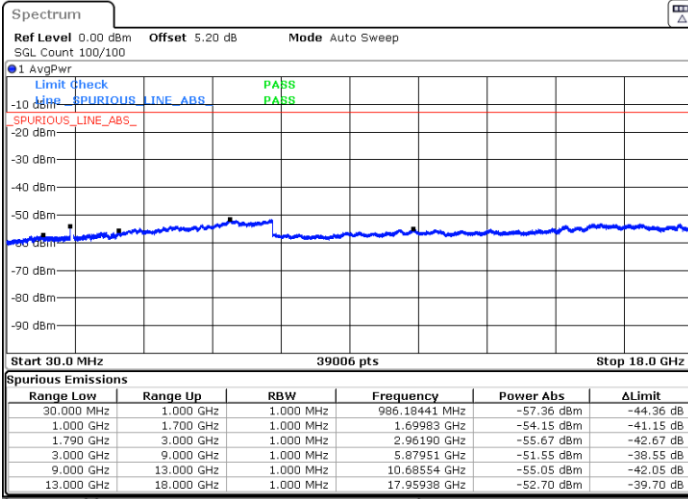




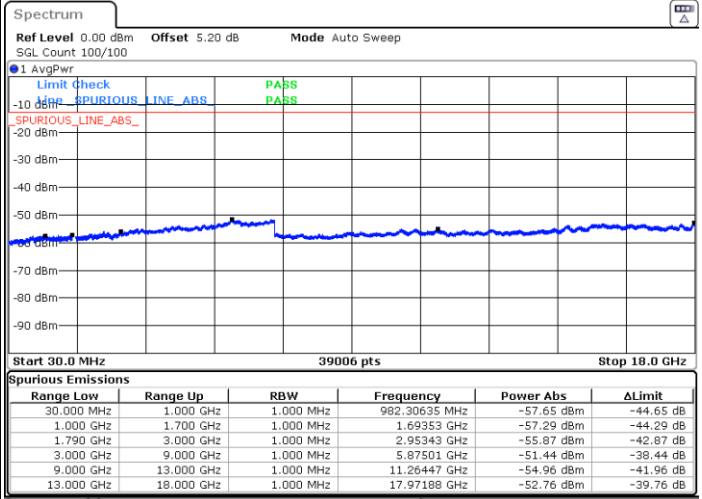
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

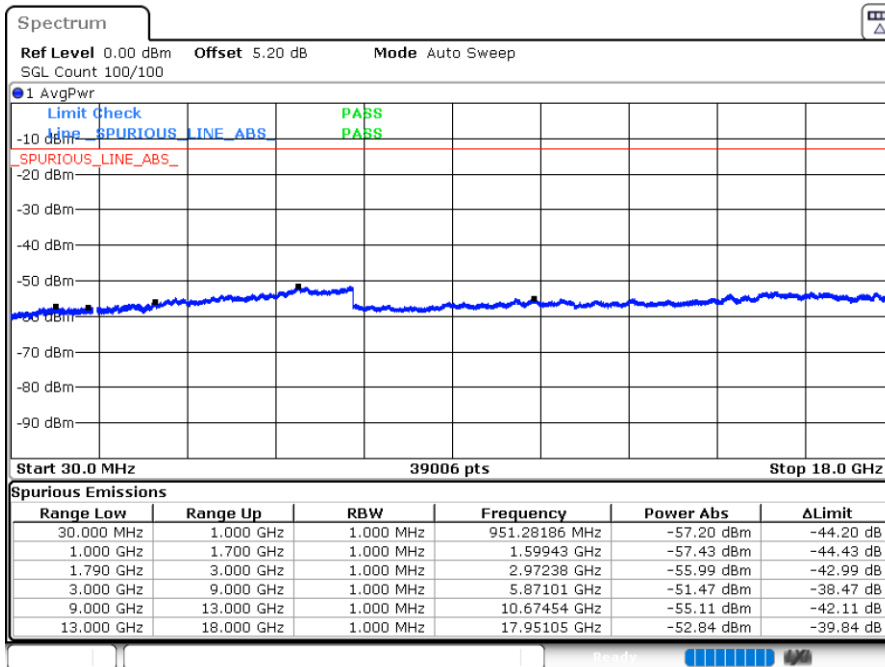


Date: 17.MAY.2023 05:00:20



Date: 17.MAY.2023 05:10:57

Highest Channel / QPSK



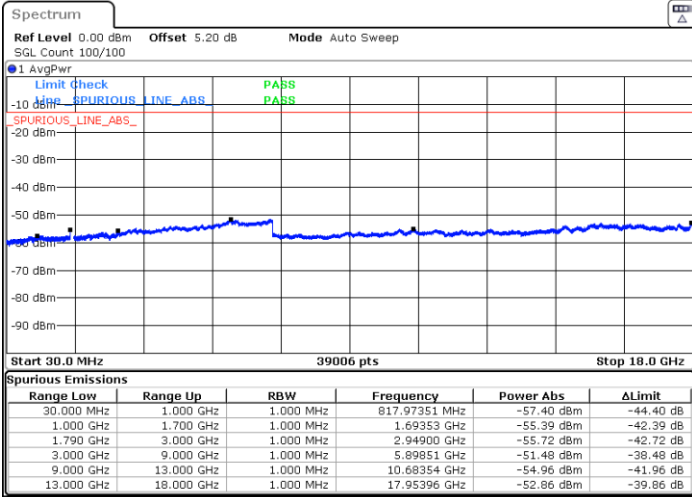
Date: 17.MAY.2023 05:12:23



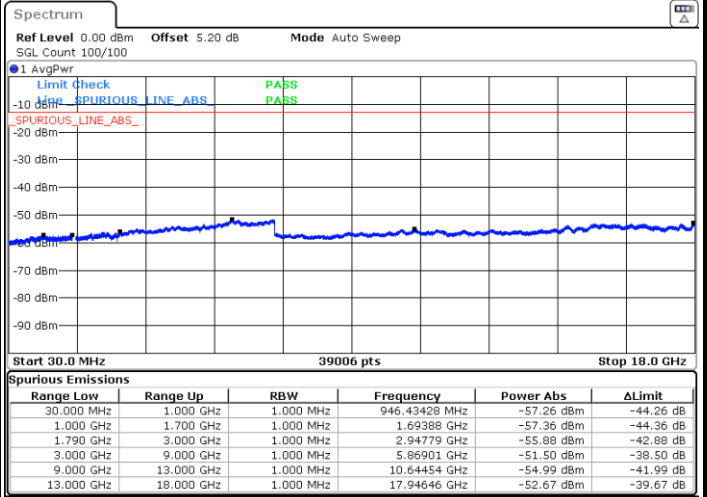
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

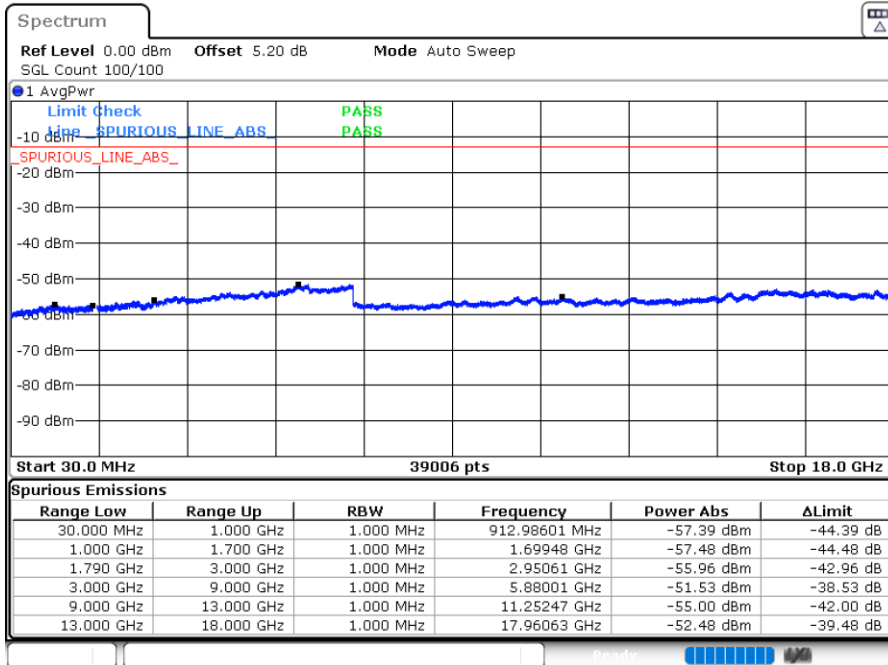


Date: 17.MAY.2023 05:30:20



Date: 17.MAY.2023 05:37:50

Highest Channel / QPSK



Date: 17.MAY.2023 05:39:15



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	0.0024	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0043	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0034	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5B

26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+10MHz	
Middle CH	19.78	19.86
Mod.	QPSK	16QAM
BW	10MHz+5MHz	
Middle CH	14.66	14.63
Mod.	QPSK	16QAM
BW	5MHz+10MHz	
Middle CH	14.69	14.72
Mod.	QPSK	16QAM
BW	5MHz+3MHz	
Middle CH	8.25	8.20
Mod.	QPSK	16QAM
BW	3MHz+5MHz	
Middle CH	8.23	8.22



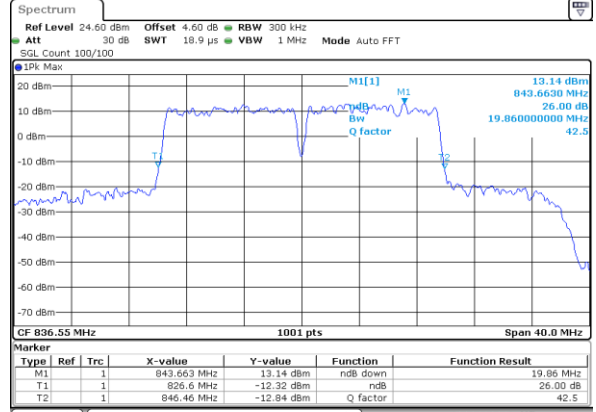
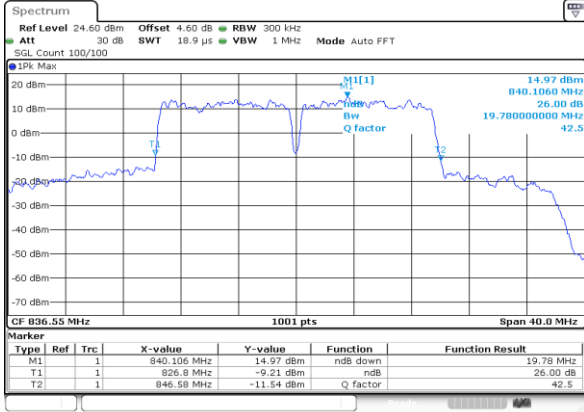
LTE Band 5B

QPSK

16QAM

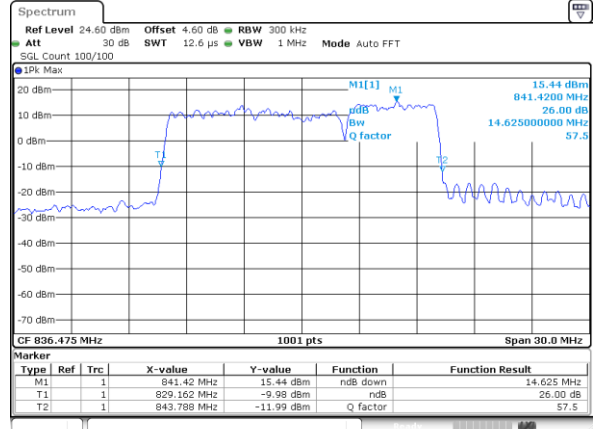
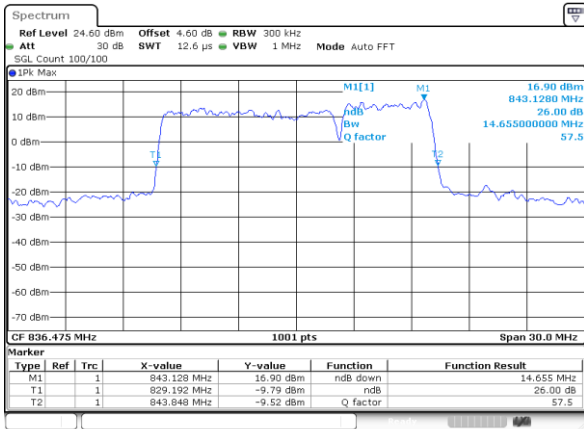
Middle Channel / 10MHz+10MHz / QPSK

Middle Channel / 10MHz+10MHz / 16QAM



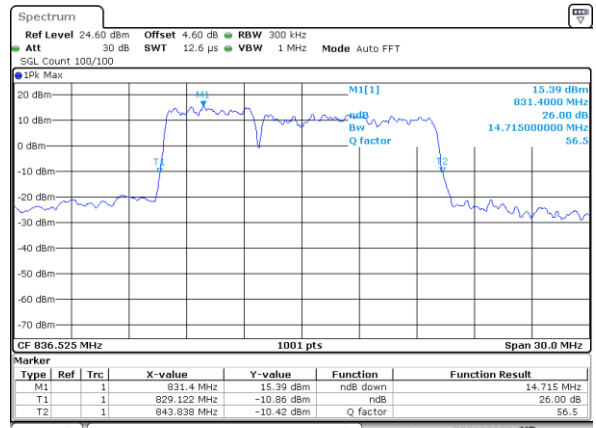
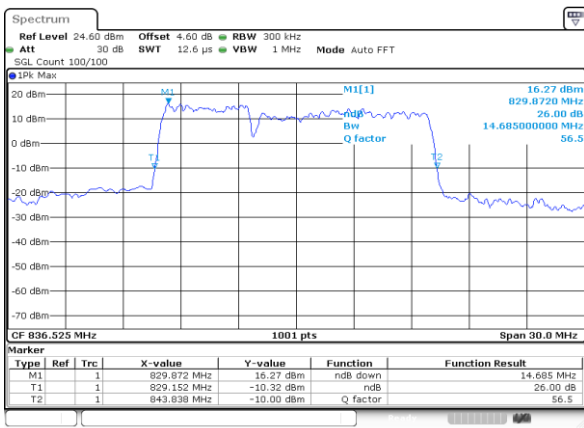
Middle Channel / 10MHz+5MHz / QPSK

Middle Channel / 10MHz+5MHz / 16QAM



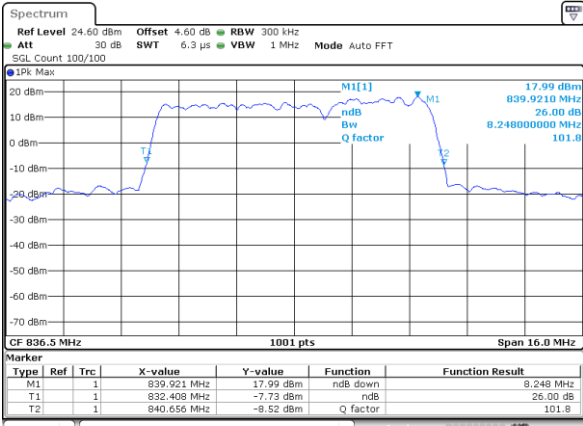
Middle Channel / 5MHz+10MHz / QPSK

Middle Channel / 5MHz+10MHz / 16QAM

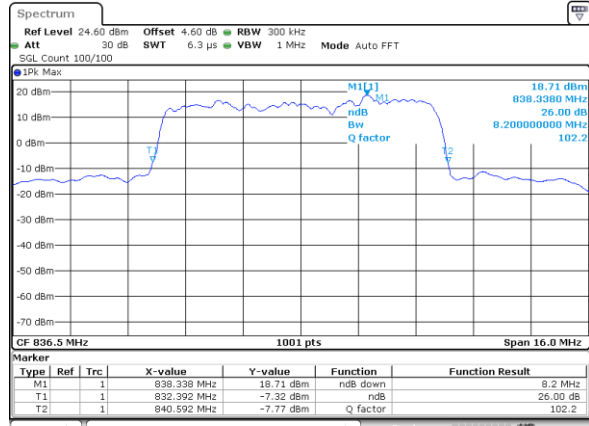




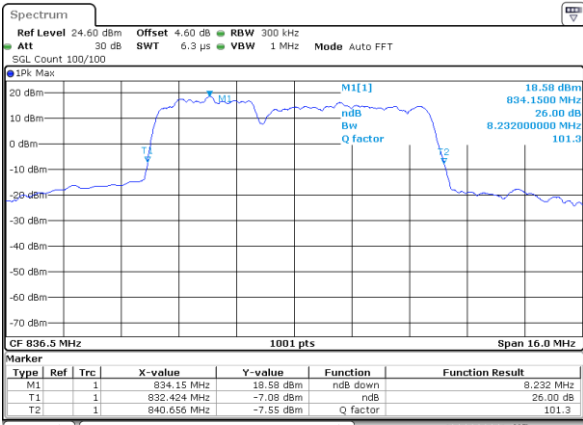
Middle Channel /5MHz+3MHz / QPSK



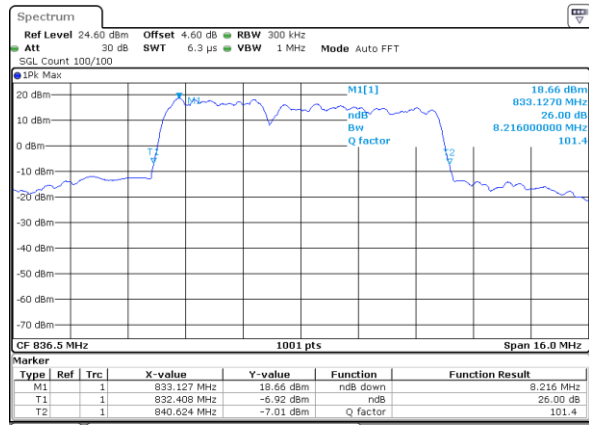
Middle Channel / 5MHz+3MHz /16QAM



Middle Channel / 3MHz+5MHz / QPSK



Middle Channel / 3MHz+5MHz /16QAM





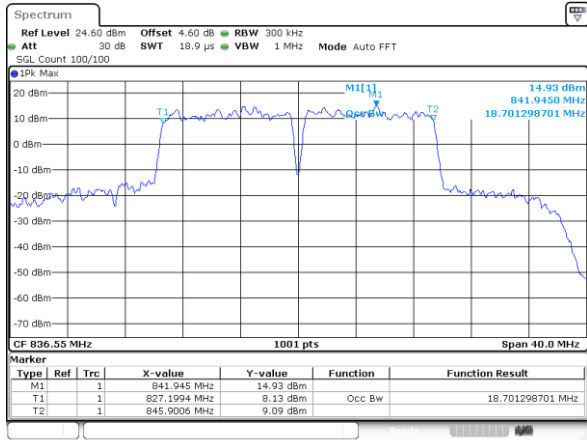
Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+10MHz	
Middle CH	18.70	18.78
Mod.	QPSK	16QAM
BW	10MHz+5MHz	
Middle CH	13.94	13.88
Mod.	QPSK	16QAM
BW	5MHz+10MHz	
Middle CH	13.88	14.00
Mod.	QPSK	16QAM
BW	5MHz+3MHz	
Middle CH	7.58	7.56
Mod.	QPSK	16QAM
BW	3MHz+5MHz	
Middle CH	7.58	7.54

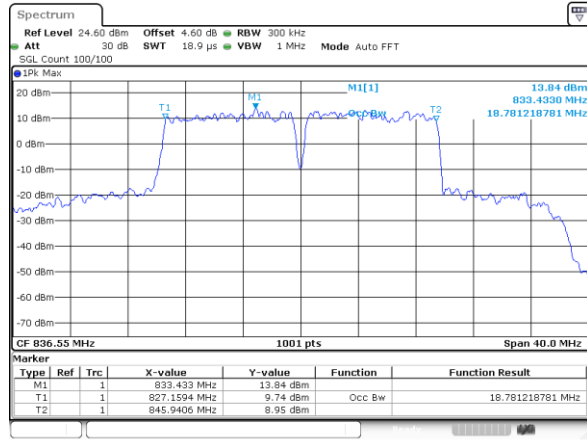


LTE Band 5B

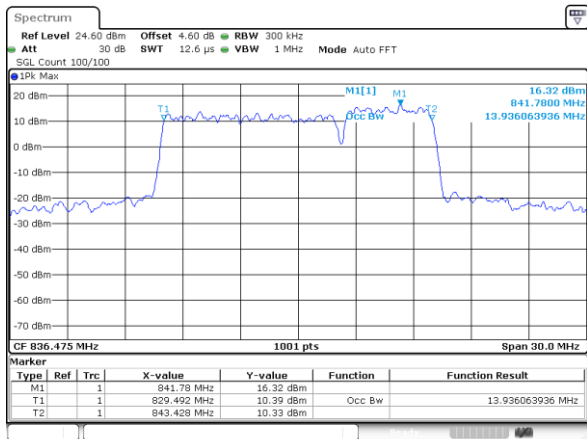
Middle Channel / 10MHz+10MHz / QPSK



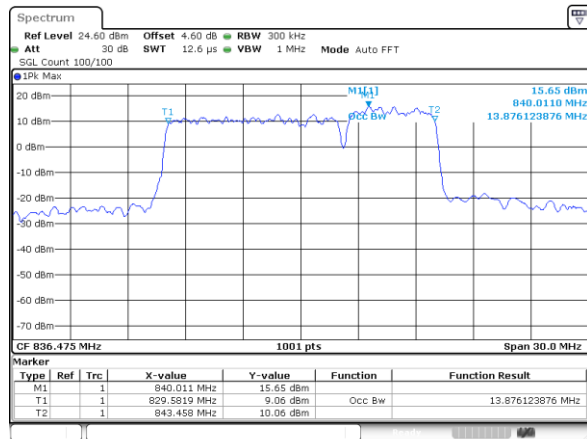
Middle Channel / 10MHz+10MHz / 16QAM



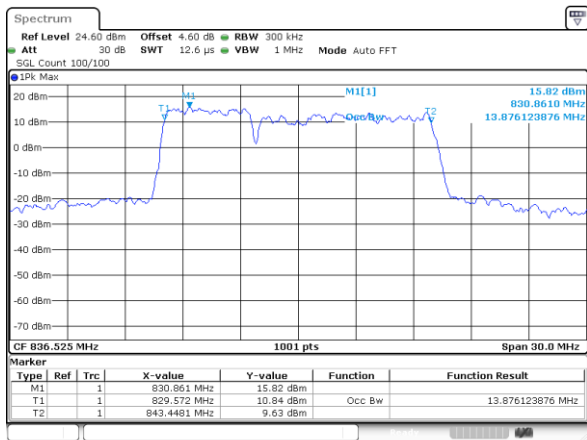
Middle Channel / 10MHz+5MHz / QPSK



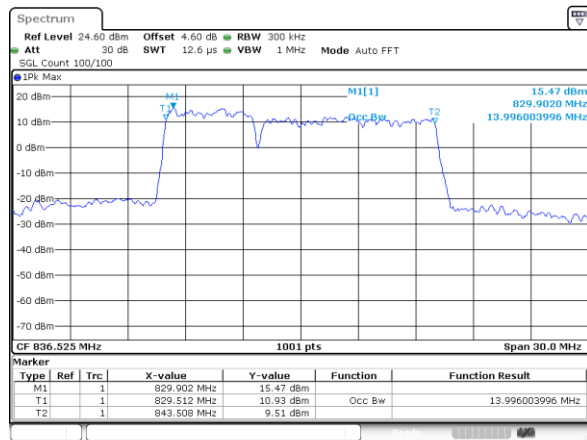
Middle Channel / 10MHz+5MHz / 16QAM



Middle Channel / 5MHz+10MHz / QPSK

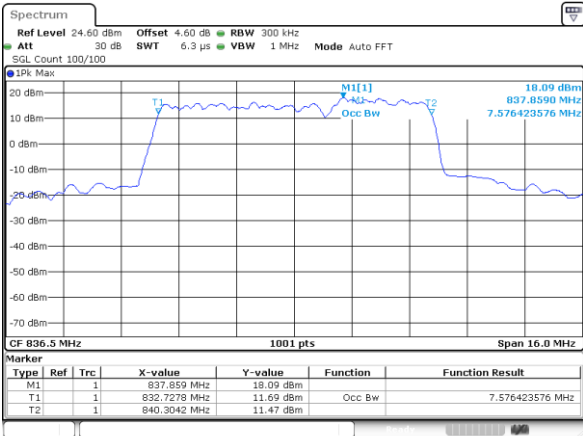


Middle Channel / 5MHz+10MHz / 16QAM

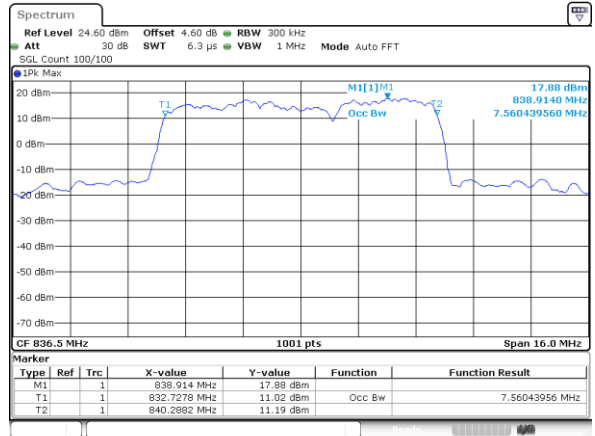




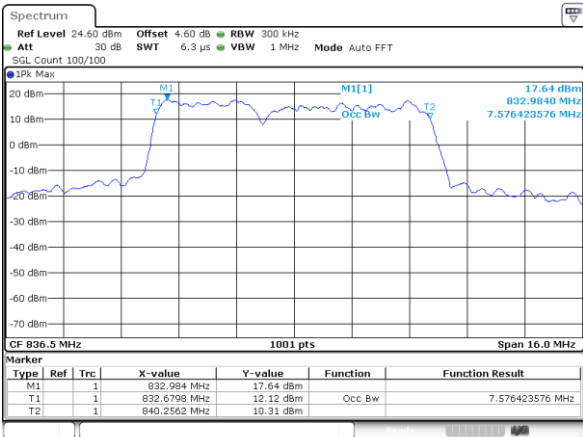
Middle Channel / 5MHz+3MHz / QPSK



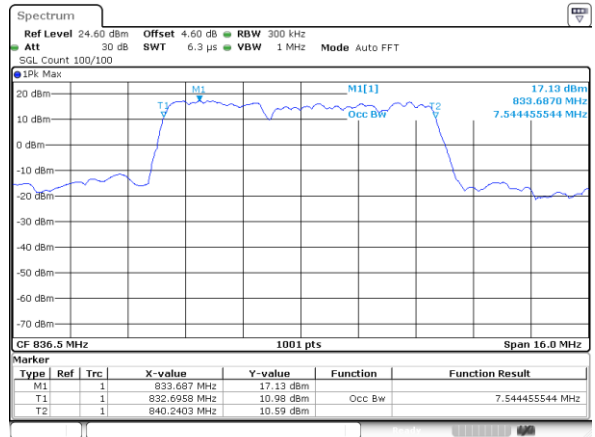
Middle Channel / 5MHz+3MHz / 16QAM



Middle Channel / 3MHz+5MHz / QPSK



Middle Channel / 3MHz+5MHz / 16QAM

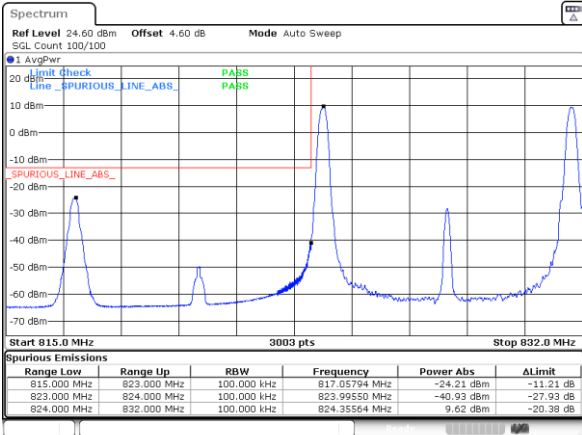




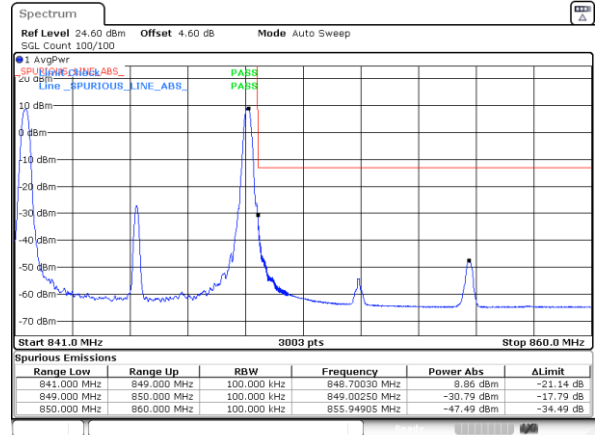
Conducted Band Edge

LTE Band 5B / 3MHz+5MHz QPSK

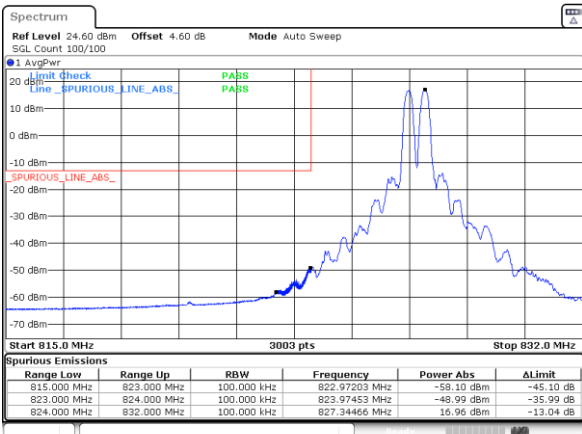
Lowest Band Edge / 1RB0 and 1RB24



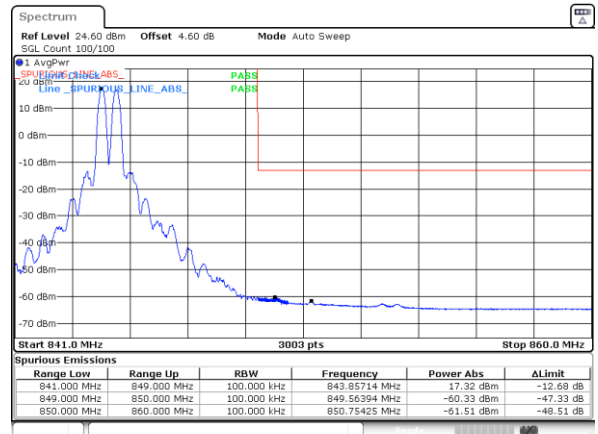
Highest Band Edge / 1RB0 and 1RB24



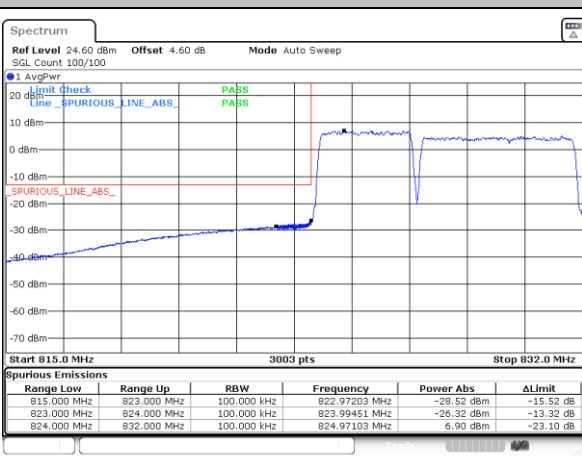
Lowest Band Edge / 1RB14 and 1RB0



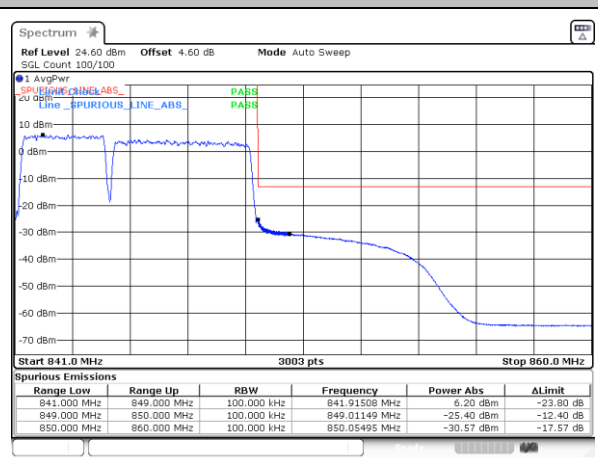
Highest Band Edge / 1RB14 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



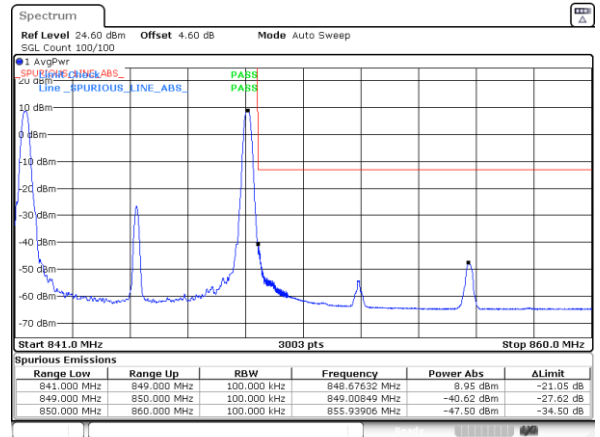
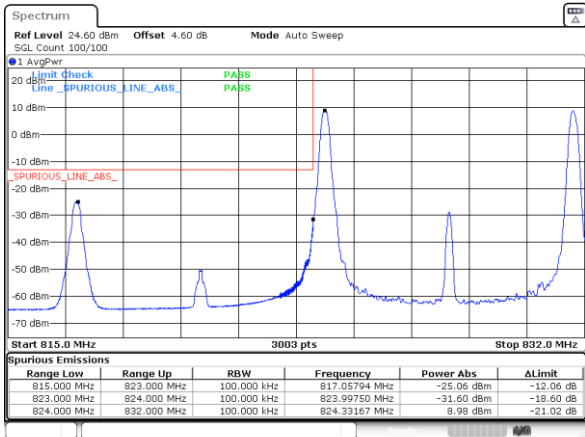


LTE Band 5B / 5MHz+3MHz

QPSK

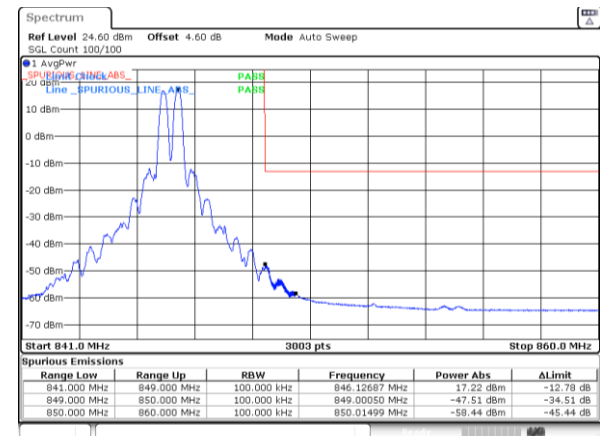
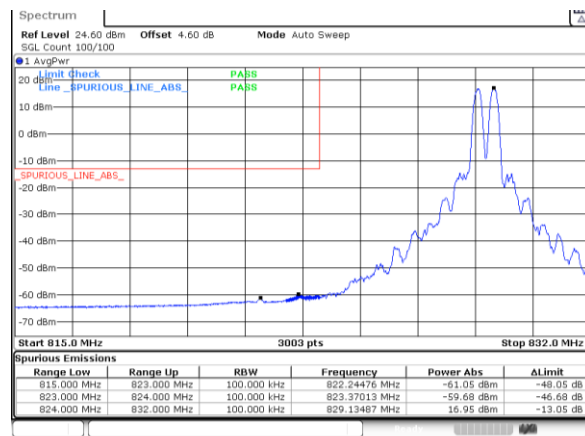
Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14



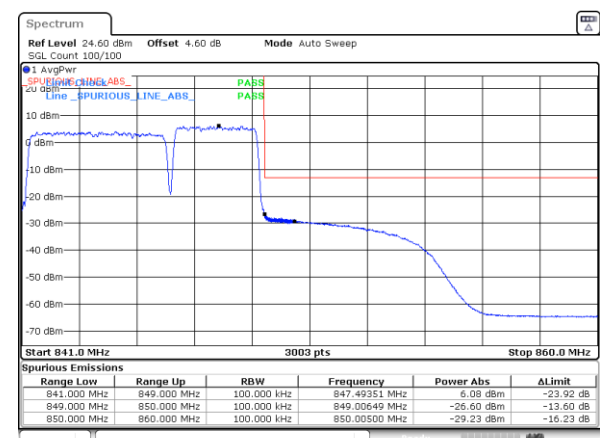
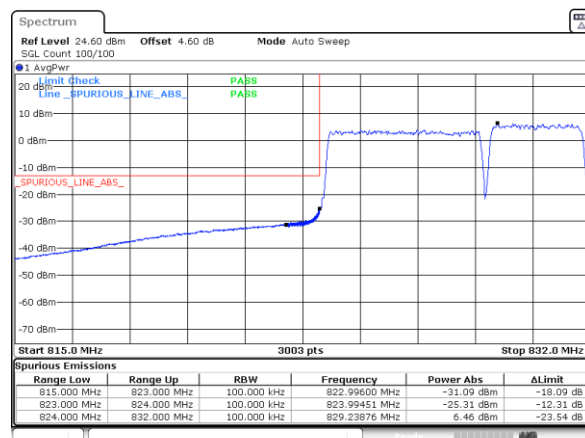
Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

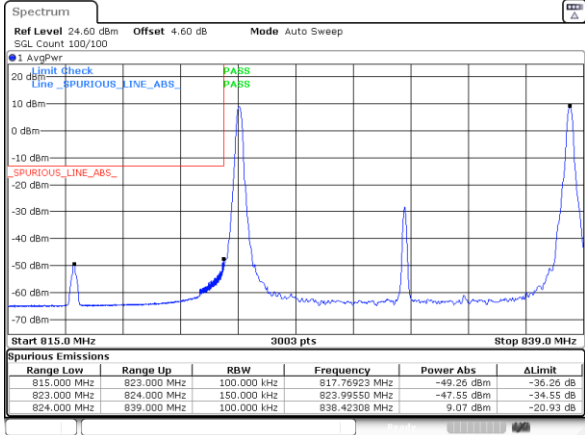




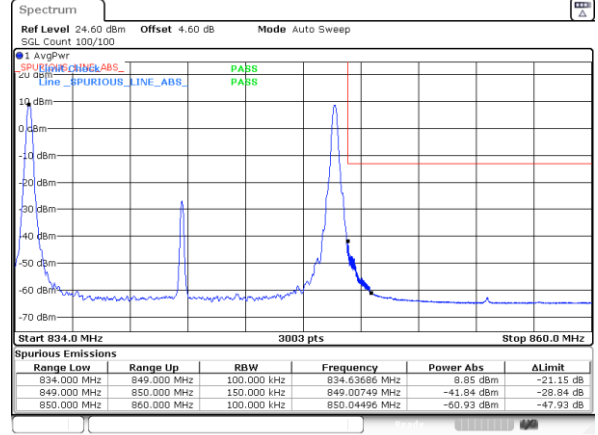
LTE Band 5B / 5MHz+10MHz

QPSK

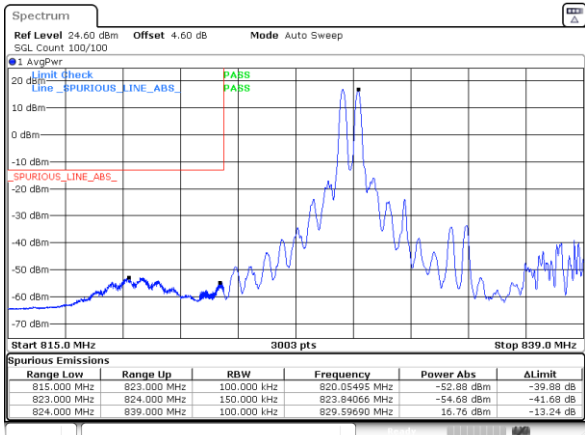
Lowest Band Edge / 1RB0 and 1RB49



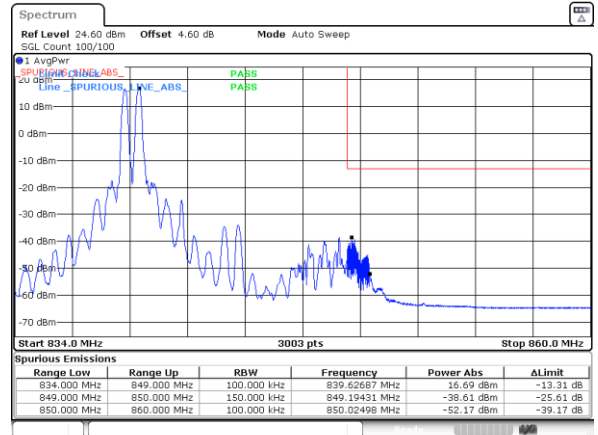
Highest Band Edge / 1RB0 and 1RB49



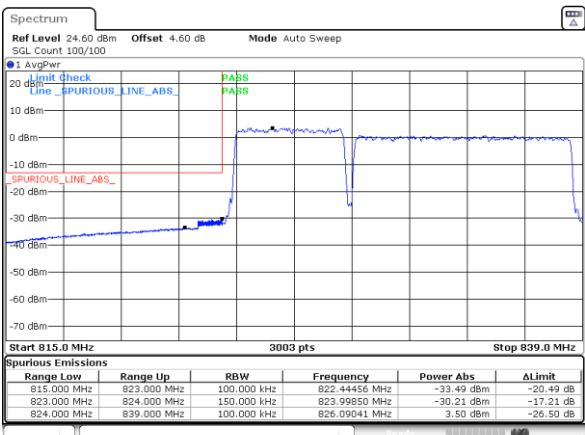
Lowest Band Edge / 1RB24 and 1RB0



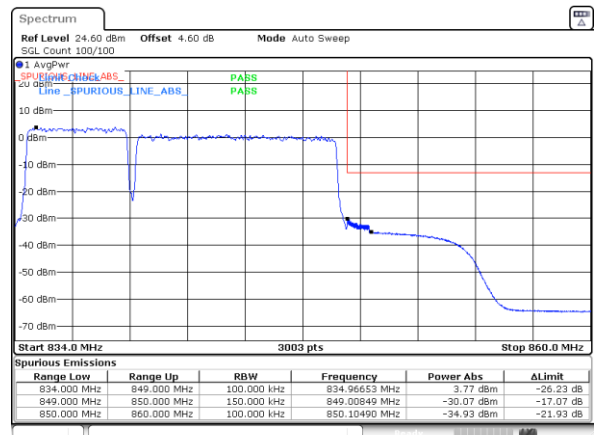
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

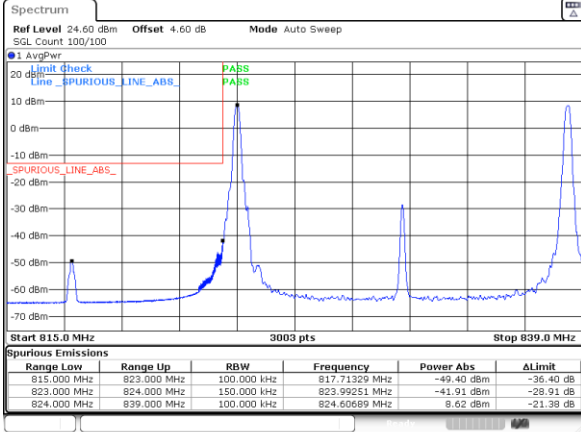




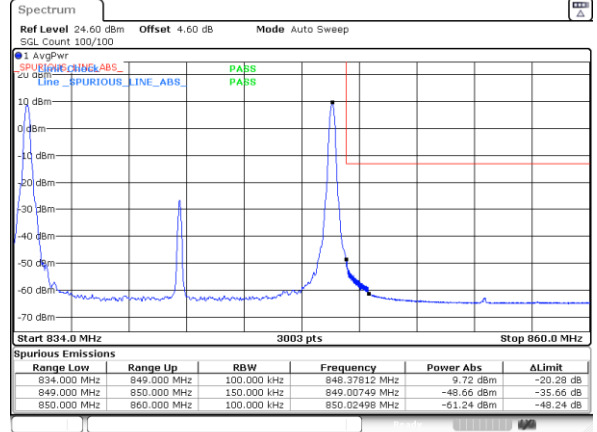
LTE Band 5B / 10MHz+5MHz

QPSK

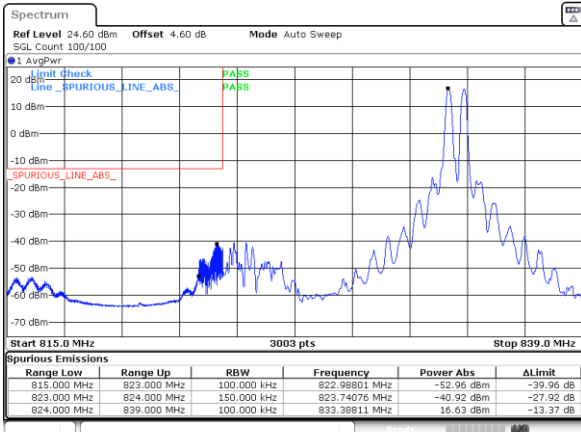
Lowest Band Edge / 1RB0 and 1RB24



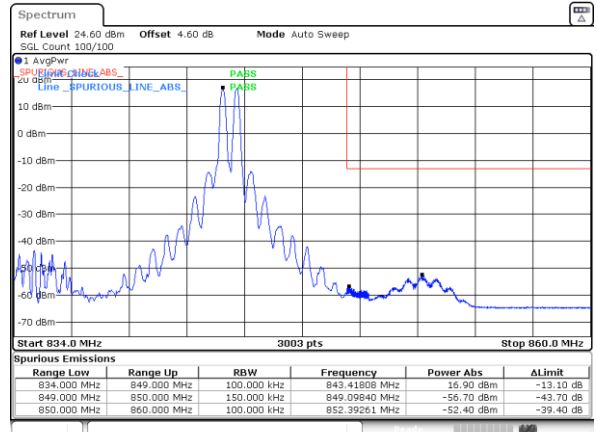
Highest Band Edge / 1RB0 and 1RB24



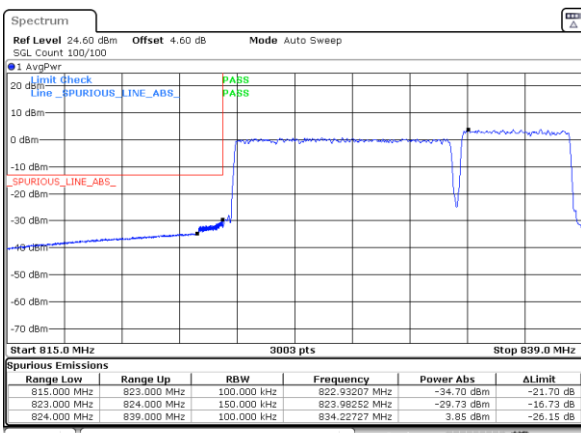
Lowest Band Edge / 1RB49 and 1RB0



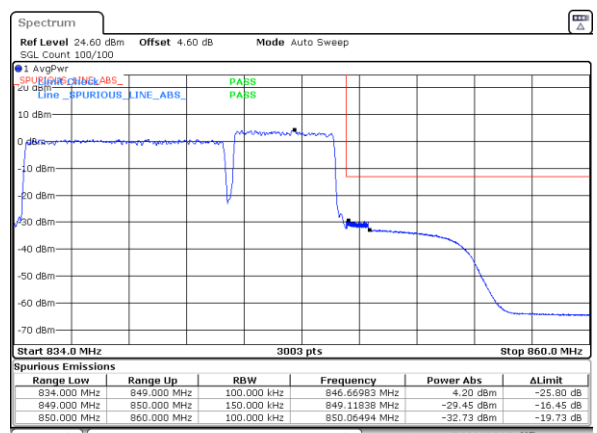
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

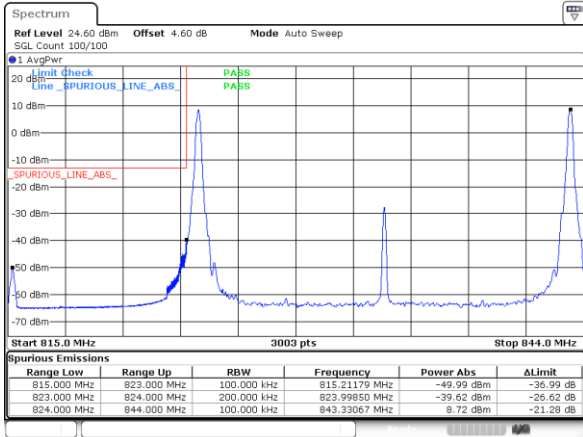




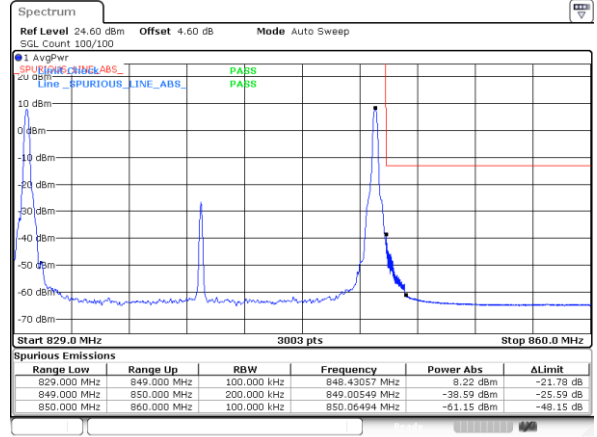
LTE Band 5B / 10MHz+10MHz

QPSK

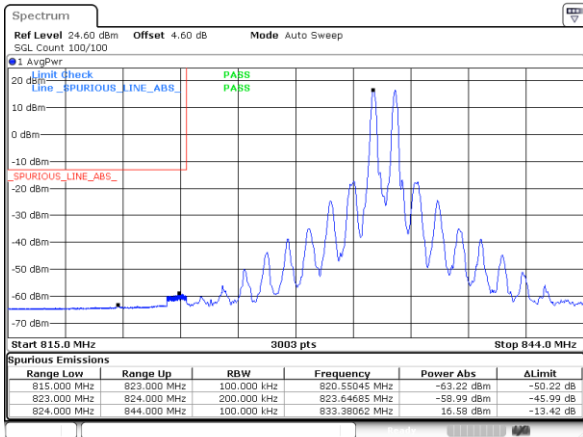
Lowest Band Edge / 1RB0 and 1RB49



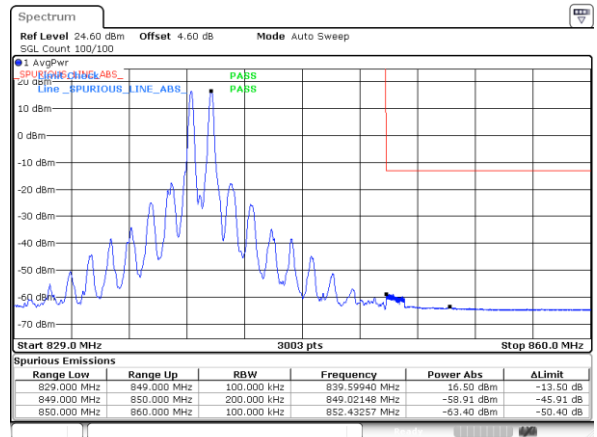
Highest Band Edge / 1RB0 and 1RB49



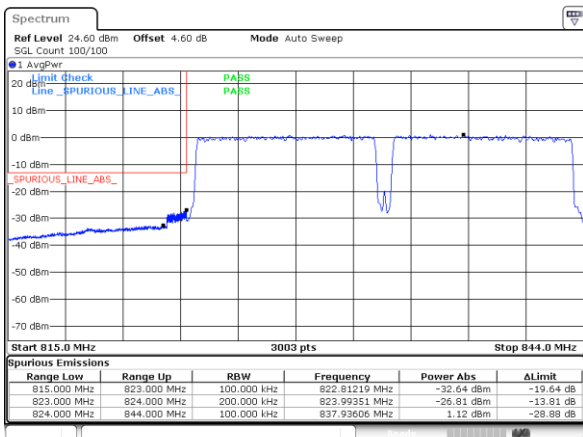
Lowest Band Edge / 1RB49 and 1RB0



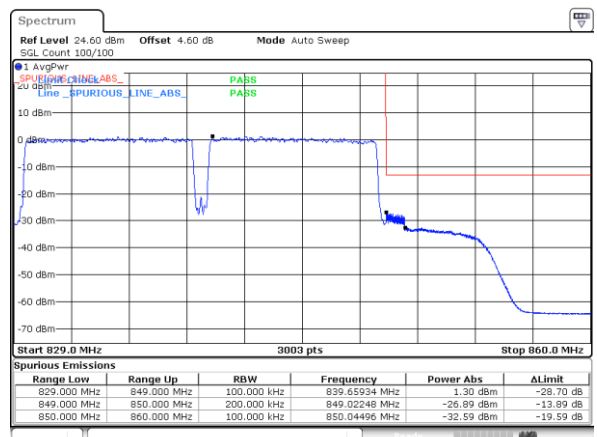
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

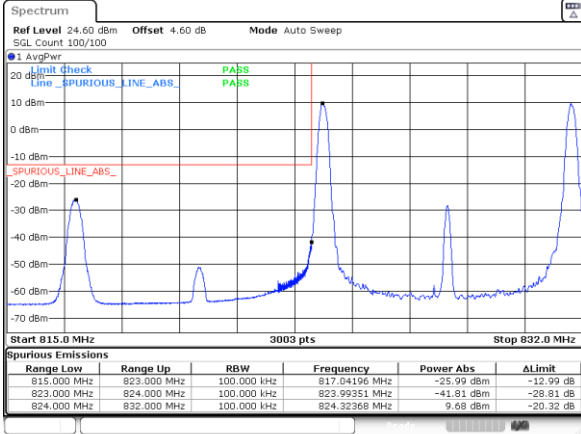




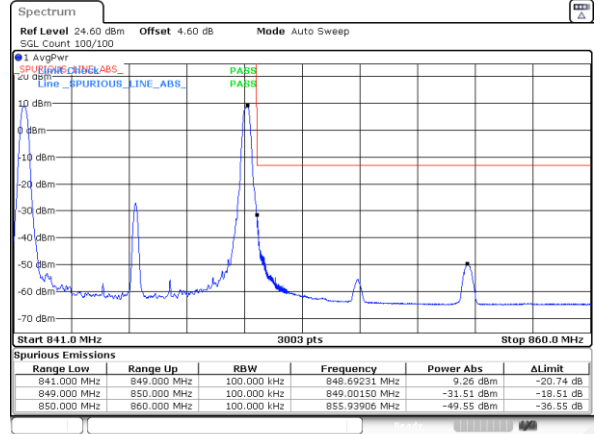
LTE Band 5B / 3MHz+5MHz

16QAM

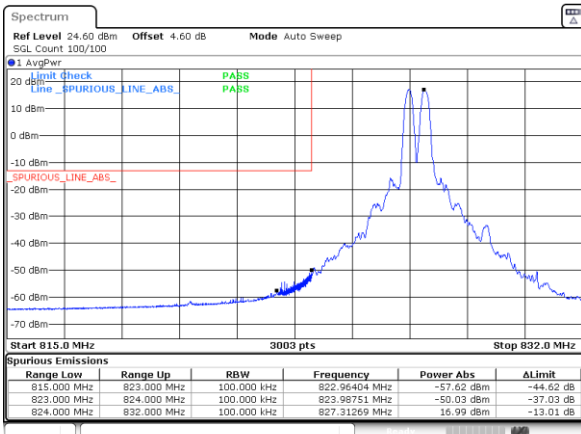
Lowest Band Edge / 1RB0 and 1RB24



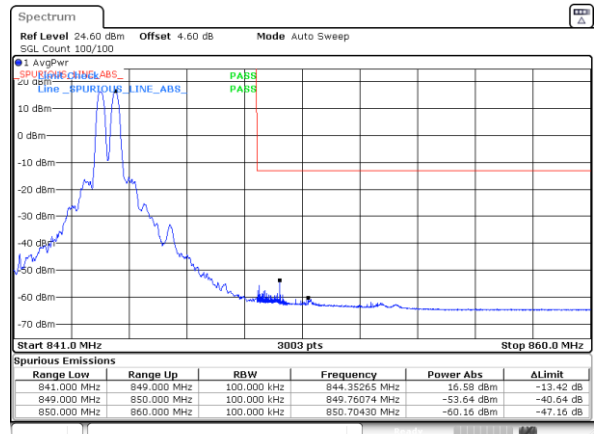
Highest Band Edge / 1RB0 and 1RB24



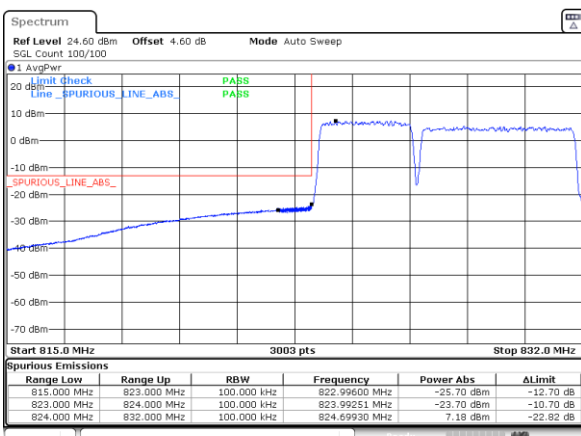
Lowest Band Edge / 1RB14 and 1RB0



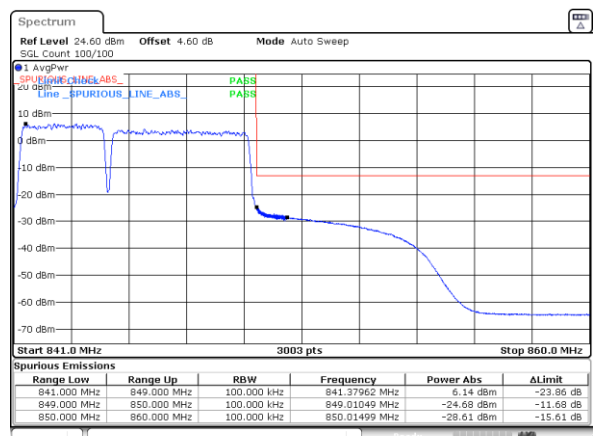
Highest Band Edge / 1RB14 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

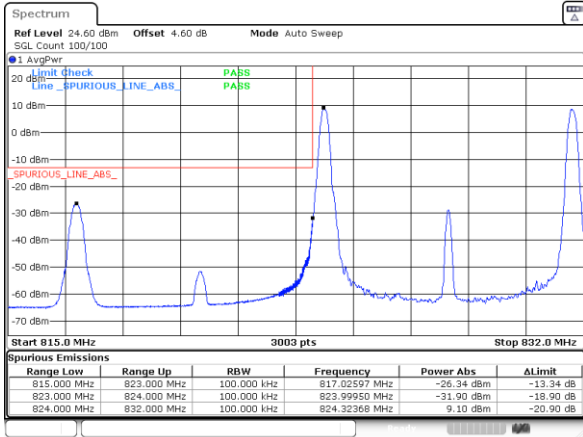




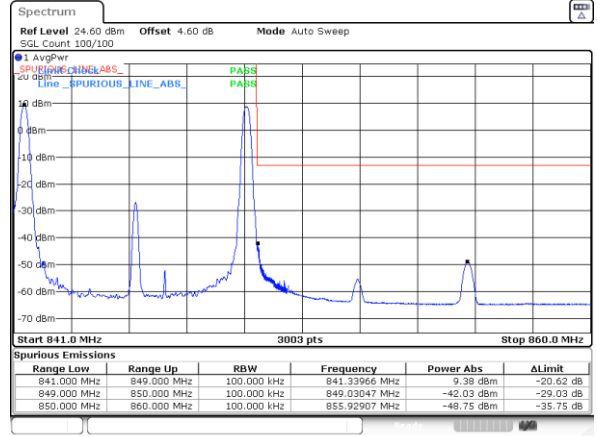
LTE Band 5B / 5MHz+3MHz

16QAM

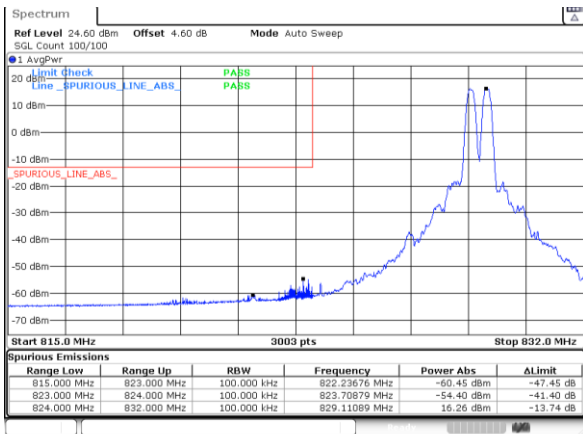
Lowest Band Edge / 1RB0 and 1RB14



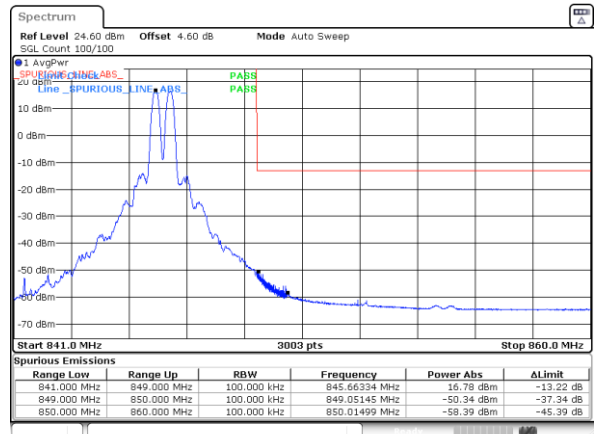
Highest Band Edge / 1RB0 and 1RB14



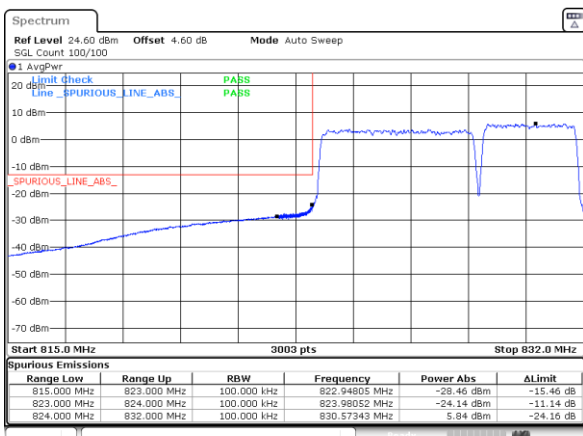
Lowest Band Edge / 1RB24 and 1RB0



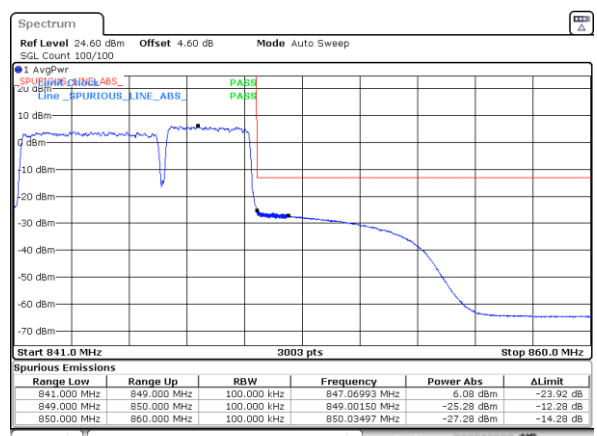
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

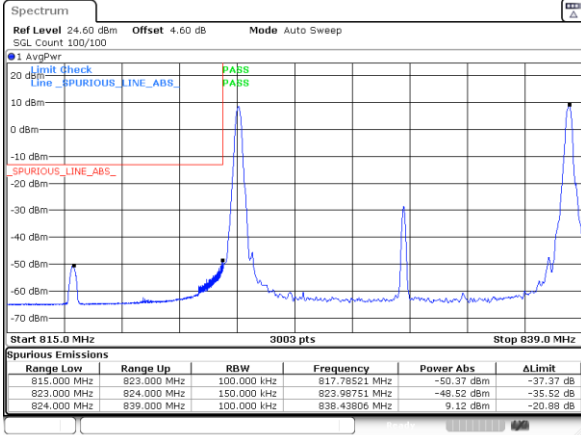




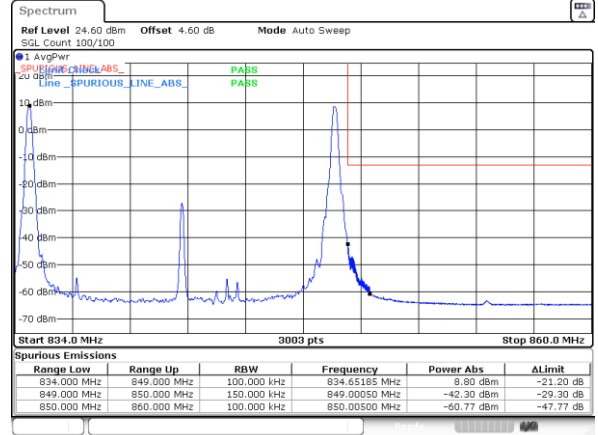
LTE Band 5B / 5MHz+10MHz

16QAM

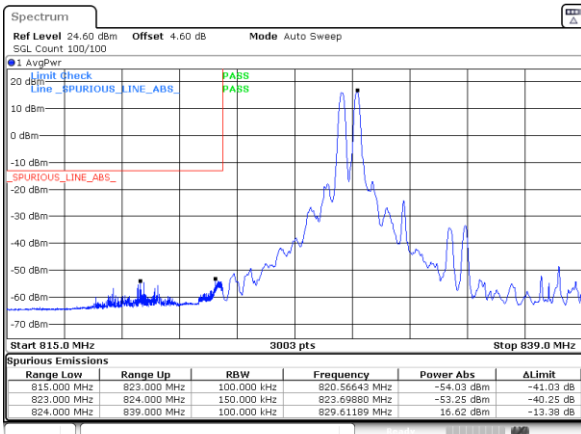
Lowest Band Edge / 1RB0 and 1RB49



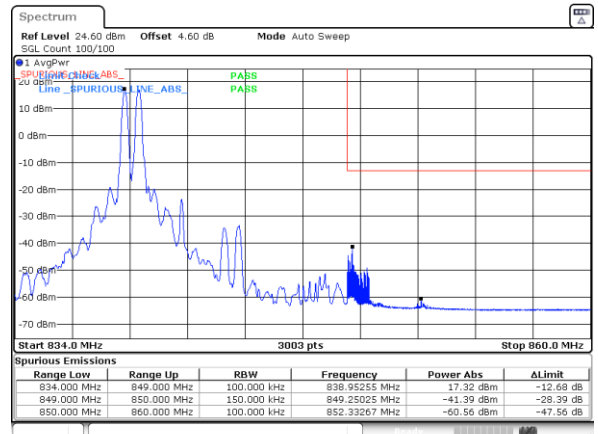
Highest Band Edge / 1RB0 and 1RB49



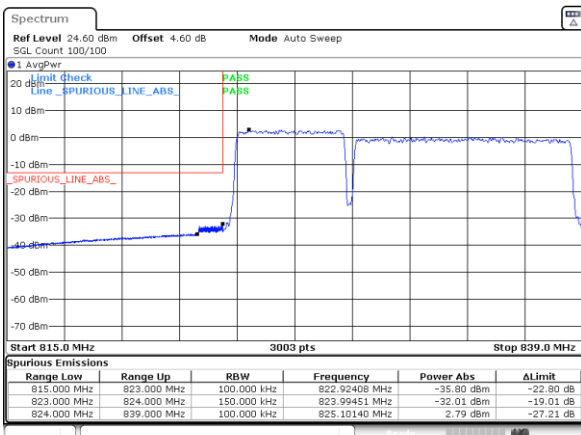
Lowest Band Edge / 1RB24 and 1RB0



Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

