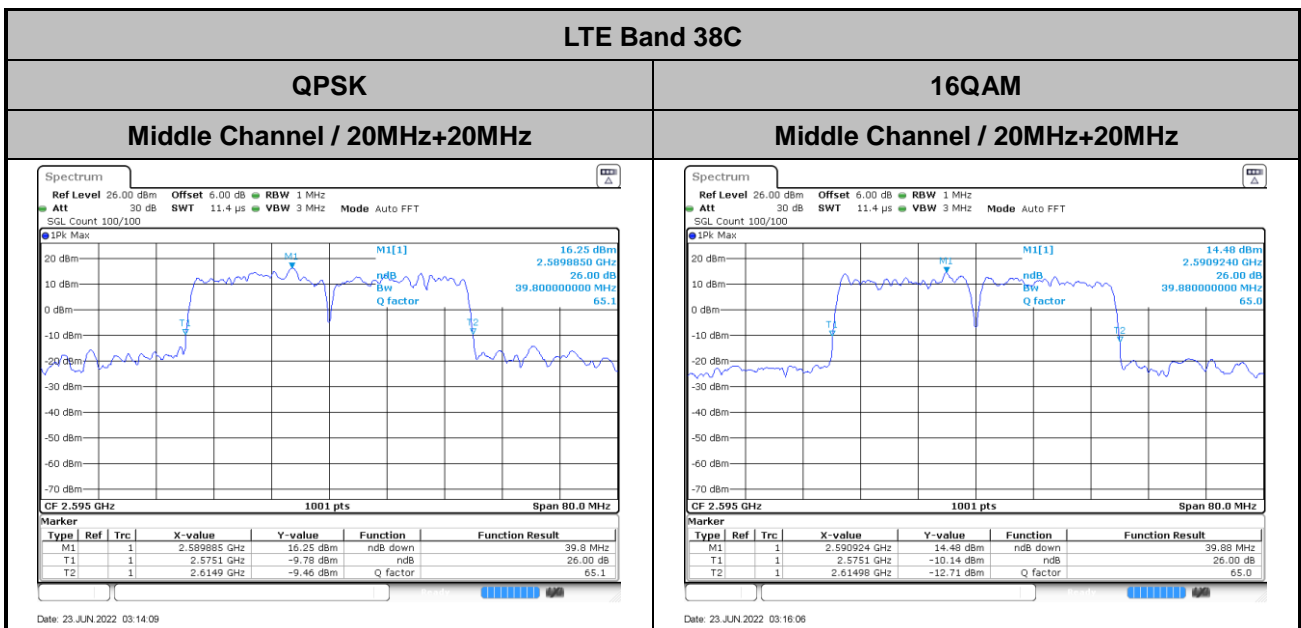




LTE Band 38C

26dB Bandwidth

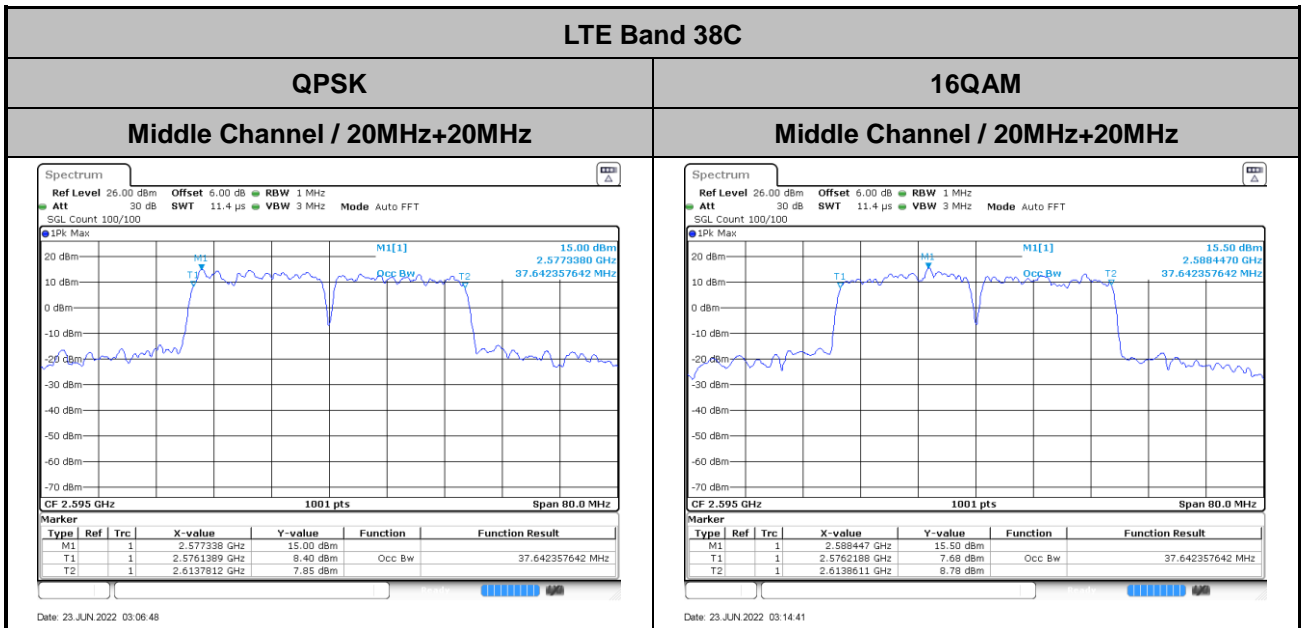
Mode	LTE Band 38C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.80	39.88





Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.64	37.64



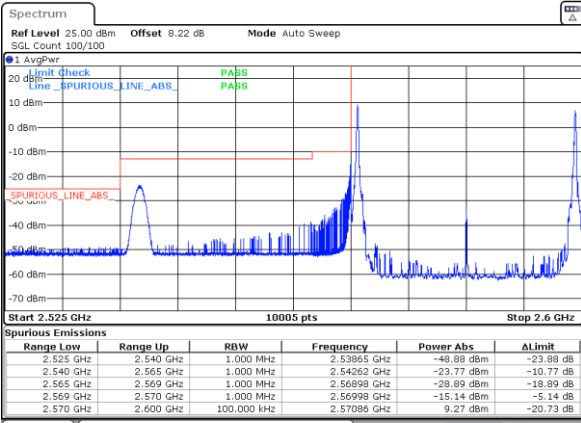


Conducted Band Edge

LTE Band 38C / 15MHz+15MHz

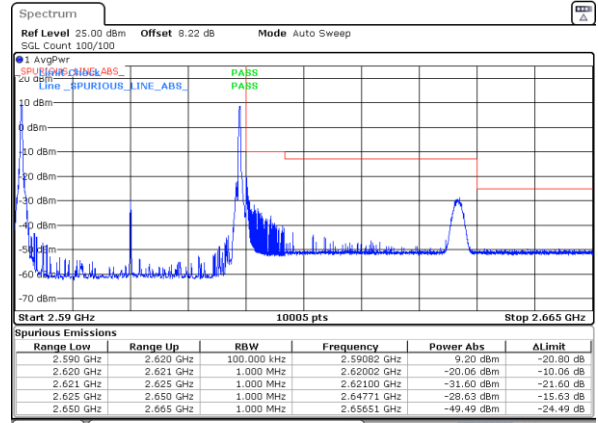
QPSK

Lowest Band Edge / 1RB0 and 1RB74



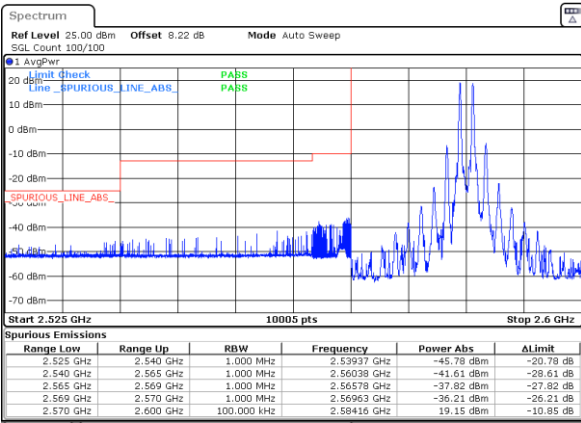
Date: 23 JUN 2022 01:32:37

Highest Band Edge / 1RB0 and 1RB74



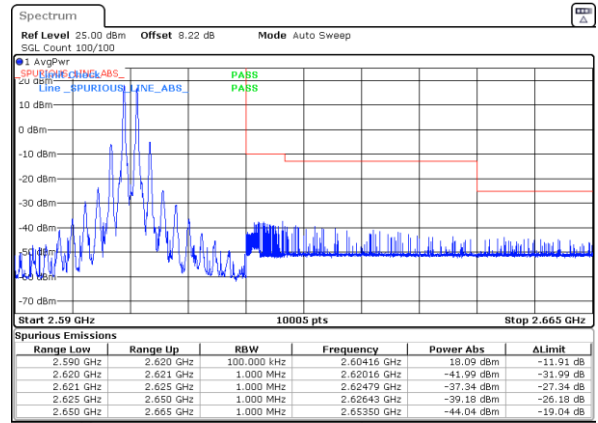
Date: 23 JUN 2022 02:00:53

Lowest Band Edge / 1RB74 and 1RB0



Date: 23 JUN 2022 01:34:04

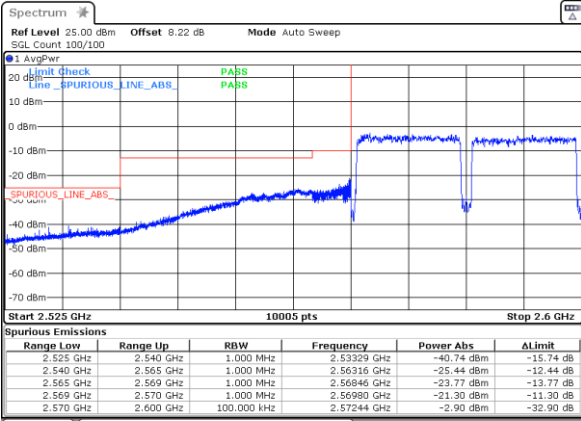
Highest Band Edge / 1RB74 and 1RB0



Date: 23 JUN 2022 02:08:08

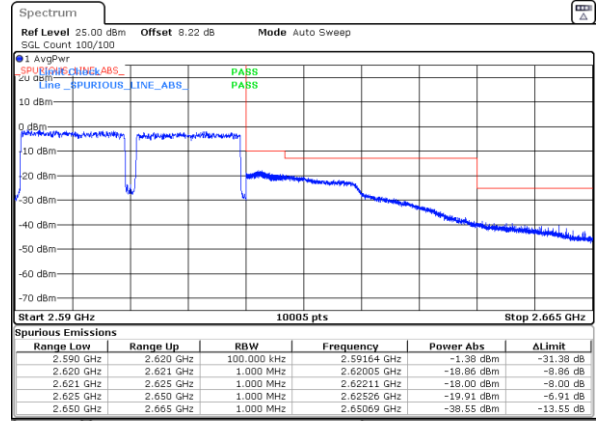


Lowest Band Edge / Full RB



Date: 23 JUN 2022 01:25:22

Highest Band Edge / Full RB



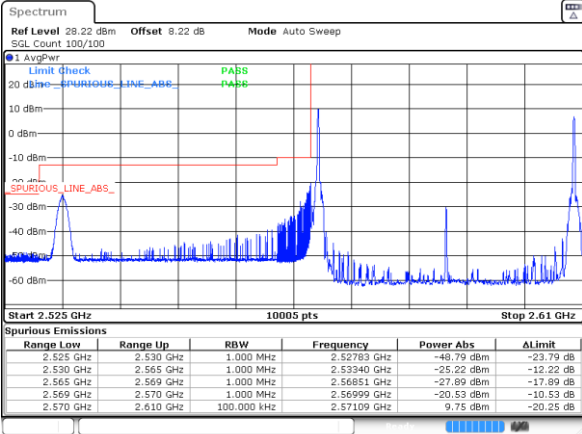
Date: 23 JUN 2022 01:59:28



LTE Band 38C / 20MHz+20MHz

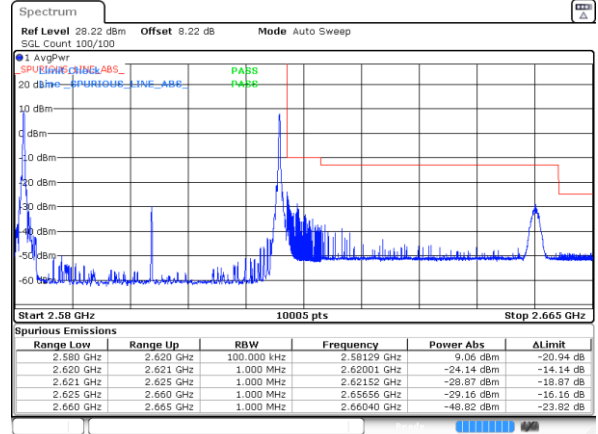
QPSK

Lowest Band Edge / 1RB0 and 1RB9



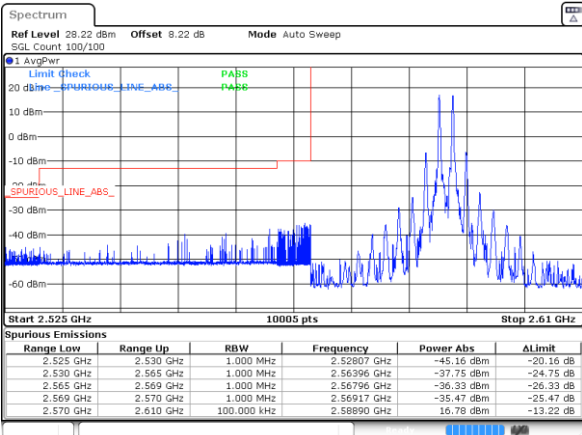
Date: 23 JUN 2022 02:28:00

Highest Band Edge / 1RB0 and 1RB9



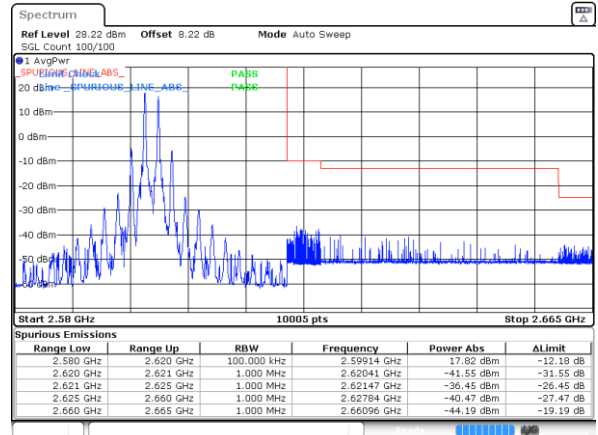
Date: 23 JUN 2022 02:38:17

Lowest Band Edge / 1RB99 and 1RB0



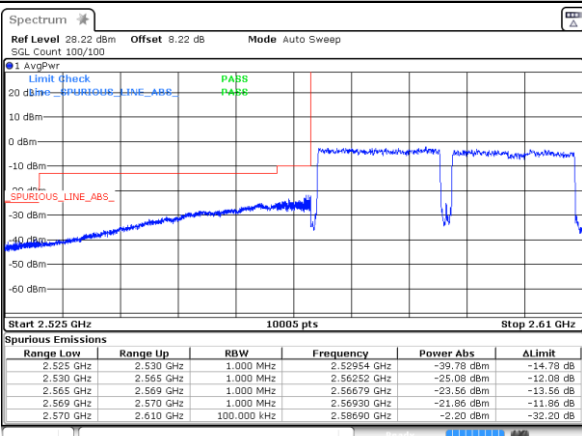
Date: 23 JUN 2022 02:29:27

Highest Band Edge / 1RB99 and 1RB0



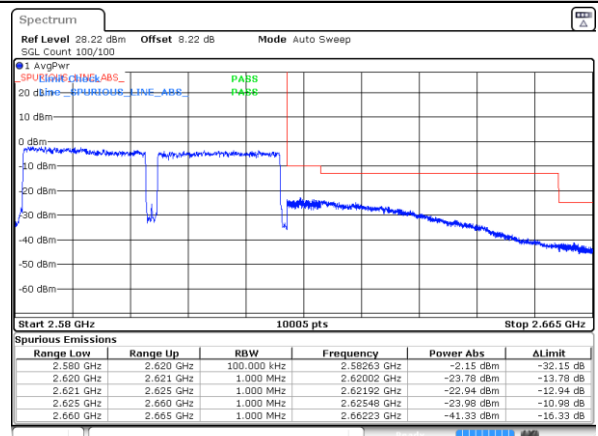
Date: 23 JUN 2022 02:45:31

Lowest Band Edge / Full RB



Date: 23 JUN 2022 02:20:44

Highest Band Edge / Full RB



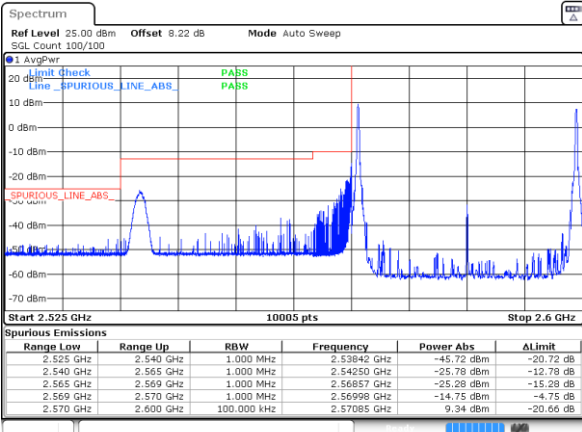
Date: 23 JUN 2022 02:36:50



LTE Band 38C / 15MHz+15MHz

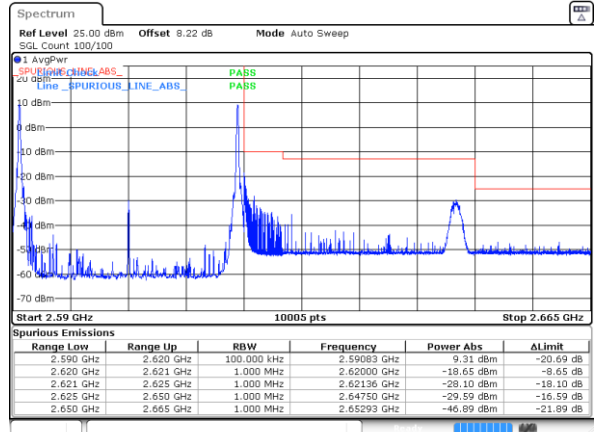
16QAM

Lowest Band Edge / 1RB0 and 1RB74



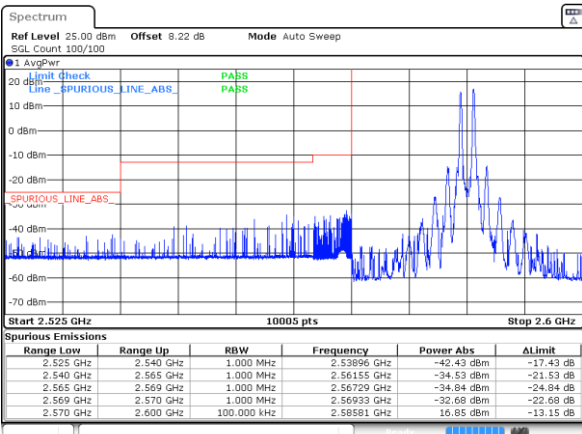
Date: 23 JUN 2022 01:31:10

Highest Band Edge / 1RB0 and 1RB74



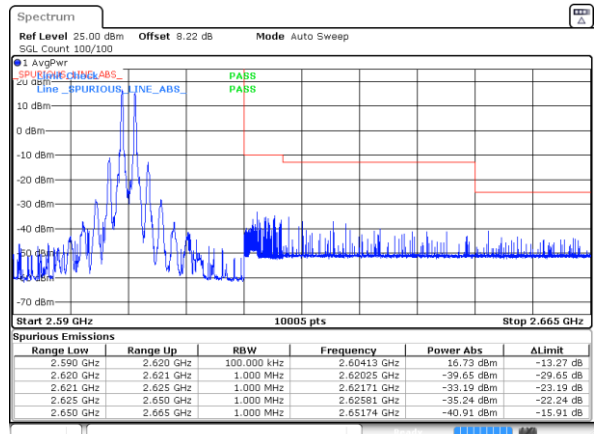
Date: 23 JUN 2022 02:02:20

Lowest Band Edge / 1RB74 and 1RB0



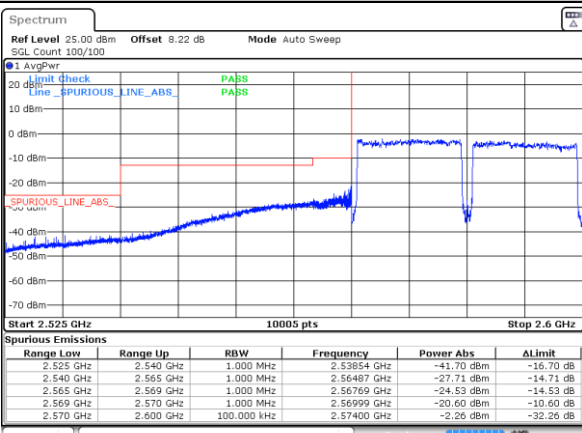
Date: 23 JUN 2022 01:35:31

Highest Band Edge / 1RB74 and 1RB0



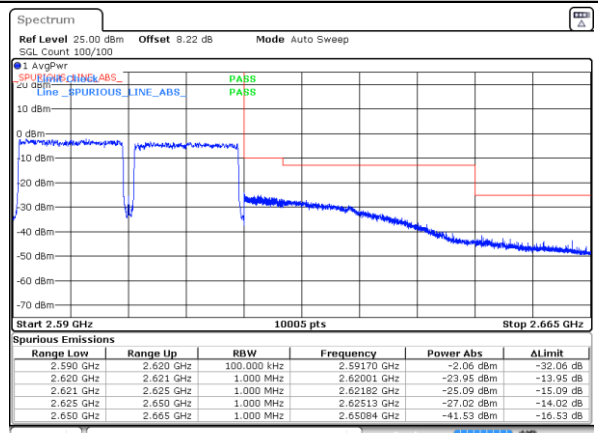
Date: 23 JUN 2022 02:06:41

Lowest Band Edge / Full RB



Date: 23 JUN 2022 01:26:49

Highest Band Edge / Full RB



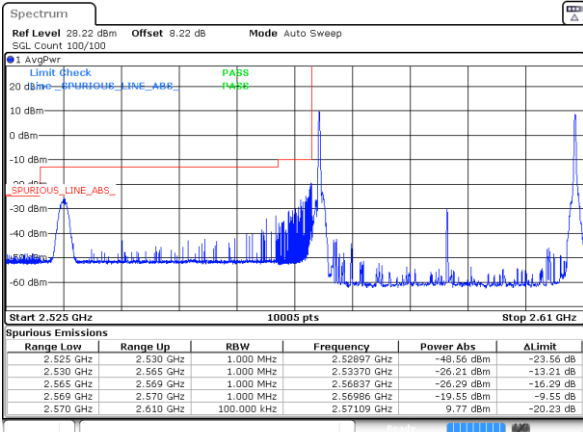
Date: 23 JUN 2022 01:57:59



LTE Band 38C / 20MHz+20MHz

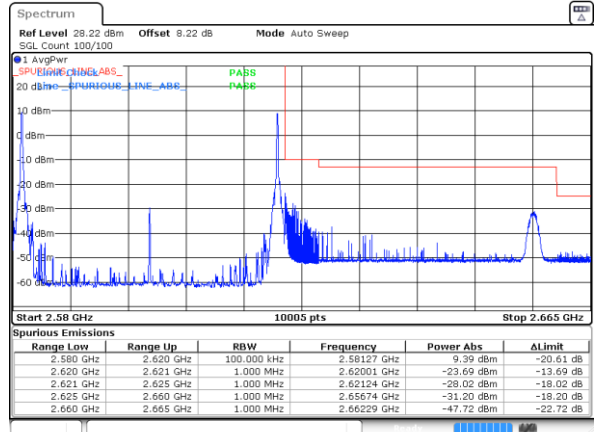
16QAM

Lowest Band Edge / 1RB0 and 1RB9



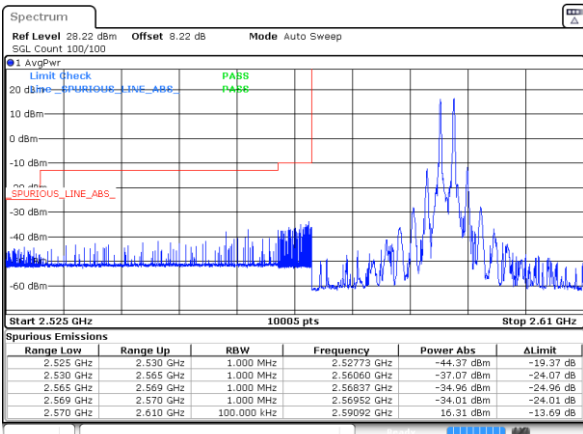
Date: 23 JUN 2022 02:28:33

Highest Band Edge / 1RB0 and 1RB9



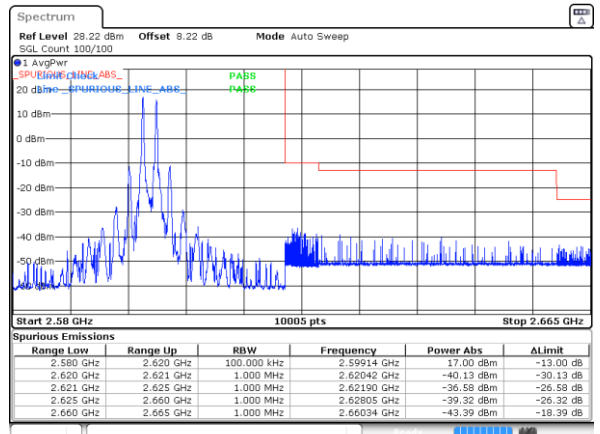
Date: 23 JUN 2022 02:39:44

Lowest Band Edge / 1RB99 and 1RB0



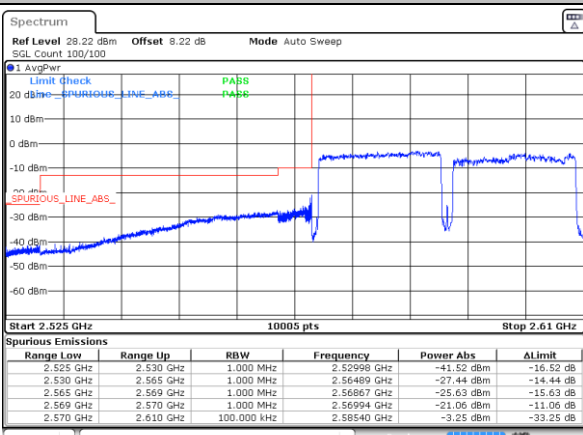
Date: 23 JUN 2022 02:30:55

Highest Band Edge / 1RB99 and 1RB0



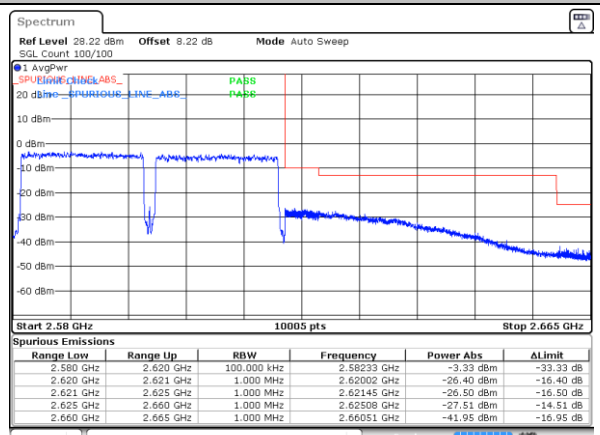
Date: 23 JUN 2022 02:44:05

Lowest Band Edge / Full RB



Date: 23 JUN 2022 02:22:11

Highest Band Edge / Full RB



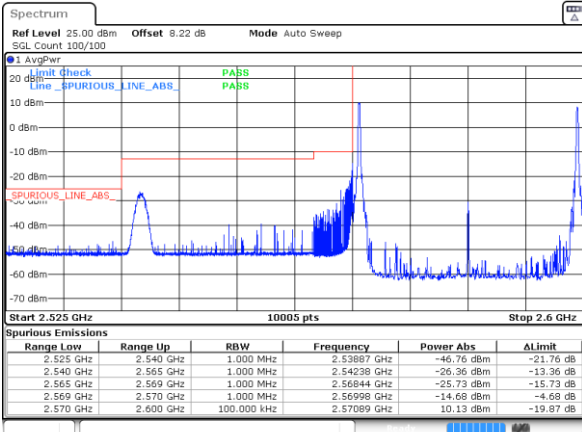
Date: 23 JUN 2022 02:35:23



LTE Band 38C / 15MHz+15MHz

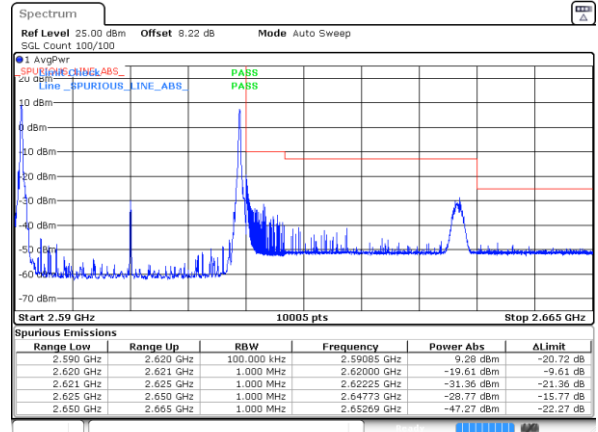
64QAM

Lowest Band Edge / 1RB0 and 1RB74



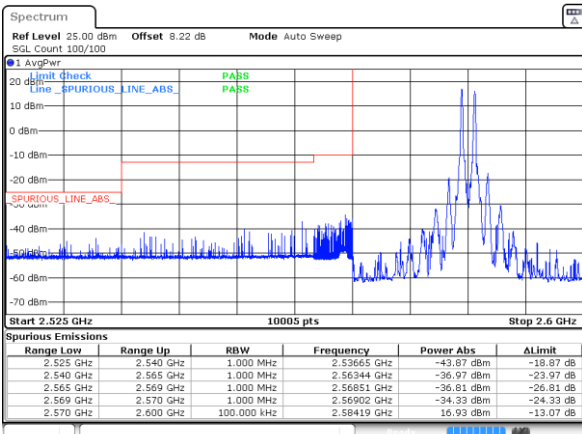
Date: 23 JUN 2022 01:29:43

Highest Band Edge / 1RB0 and 1RB74



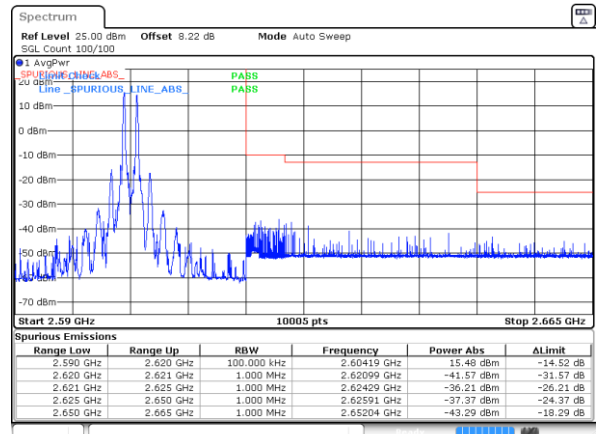
Date: 23 JUN 2022 02:03:47

Lowest Band Edge / 1RB74 and 1RB0



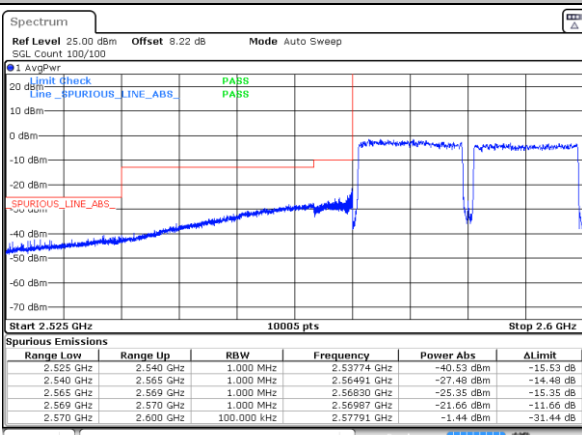
Date: 23 JUN 2022 01:36:59

Highest Band Edge / 1RB74 and 1RB0



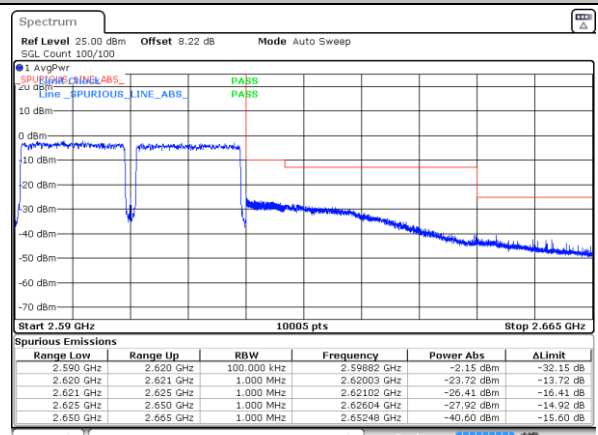
Date: 23 JUN 2022 02:05:14

Lowest Band Edge / Full RB



Date: 23 JUN 2022 01:28:16

Highest Band Edge / Full RB



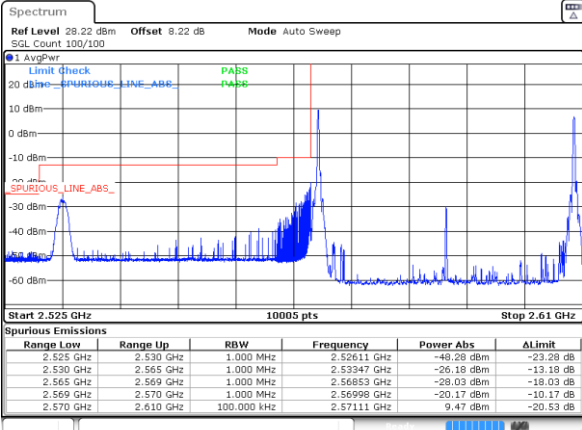
Date: 23 JUN 2022 01:56:33



LTE Band 38C / 20MHz+20MHz

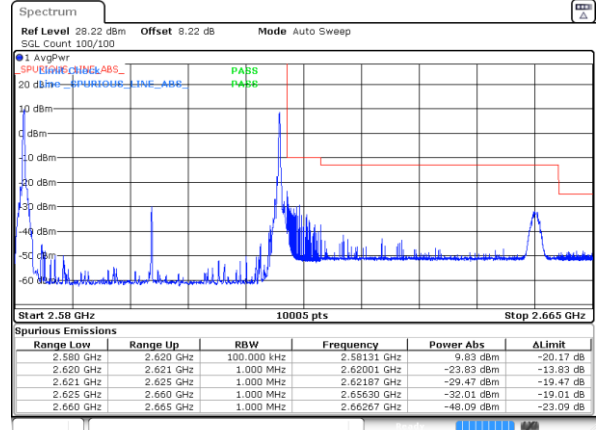
64QAM

Lowest Band Edge / 1RB0 and 1RB9



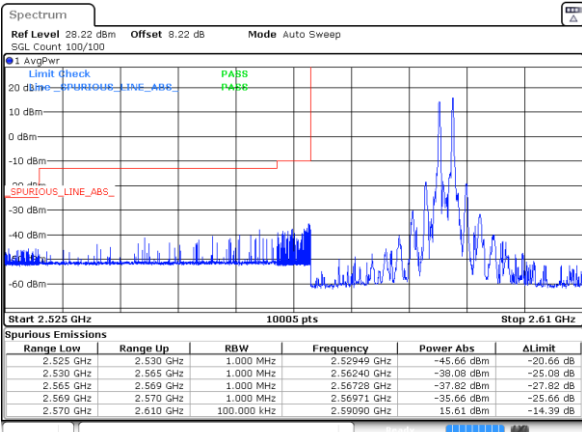
Date: 23 JUN 2022 02:25:06

Highest Band Edge / 1RB0 and 1RB9



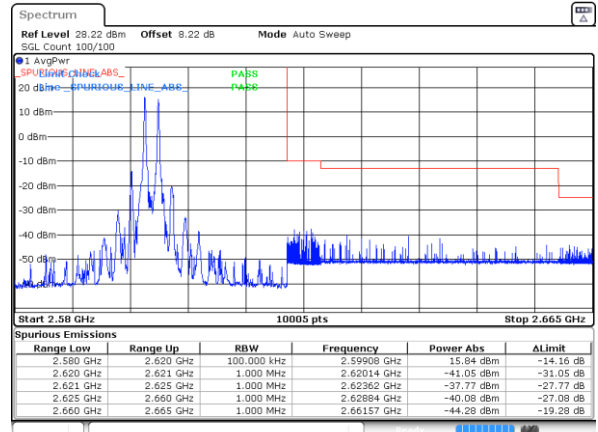
Date: 23 JUN 2022 02:41:11

Lowest Band Edge / 1RB99 and 1RB0



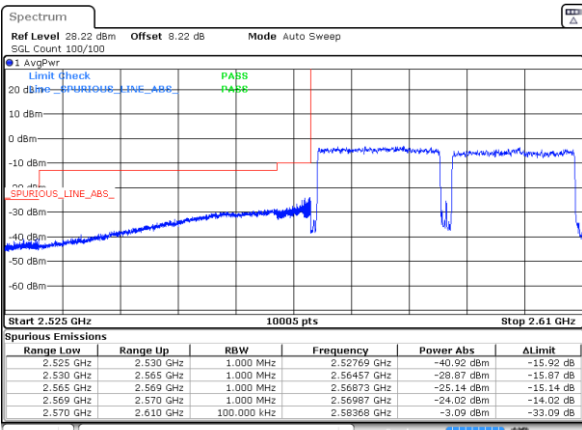
Date: 23 JUN 2022 02:32:22

Highest Band Edge / 1RB99 and 1RB0



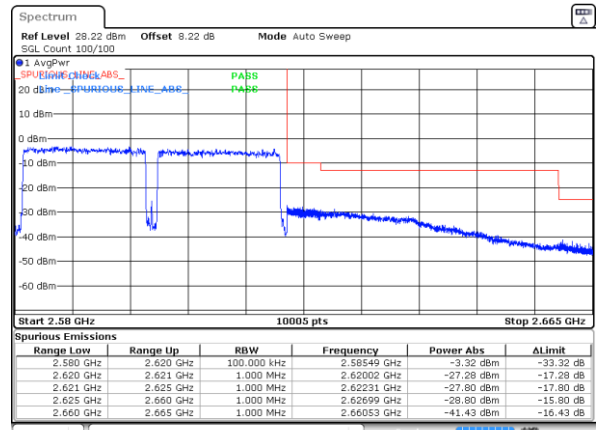
Date: 23 JUN 2022 02:42:38

Lowest Band Edge / Full RB



Date: 23 JUN 2022 02:23:38

Highest Band Edge / Full RB



Date: 23 JUN 2022 02:33:56

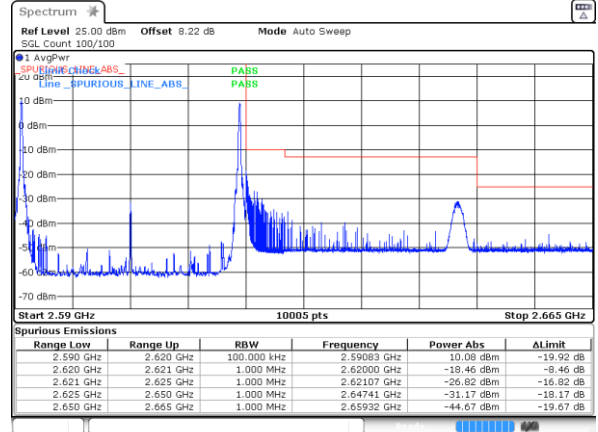
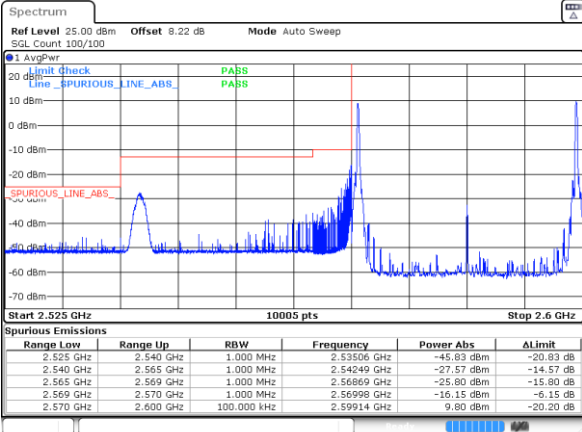


LTE Band 38C / 15MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

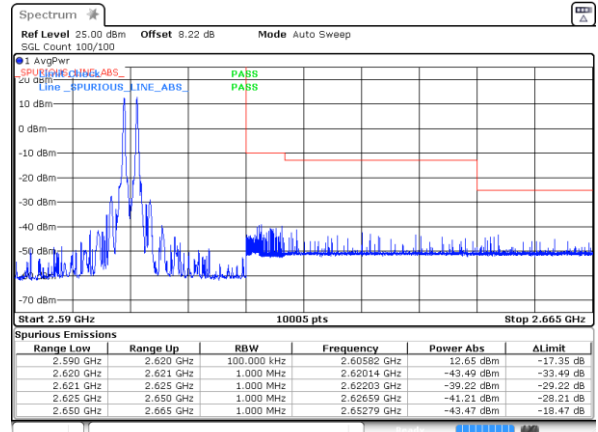
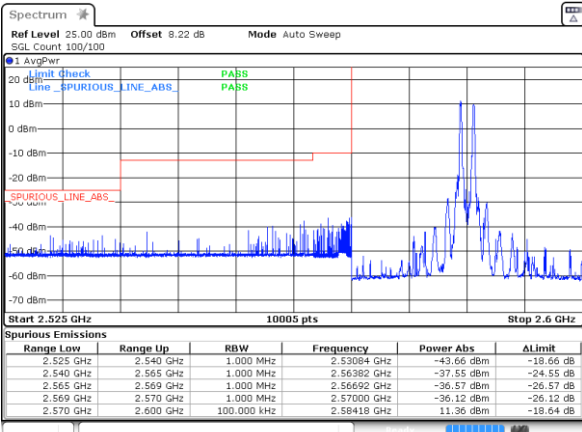


Date: 23 JUN 2022 05:48:48

Date: 23 JUN 2022 05:54:11

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

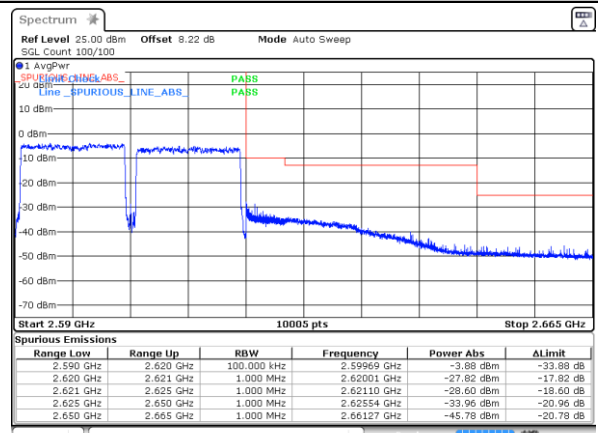
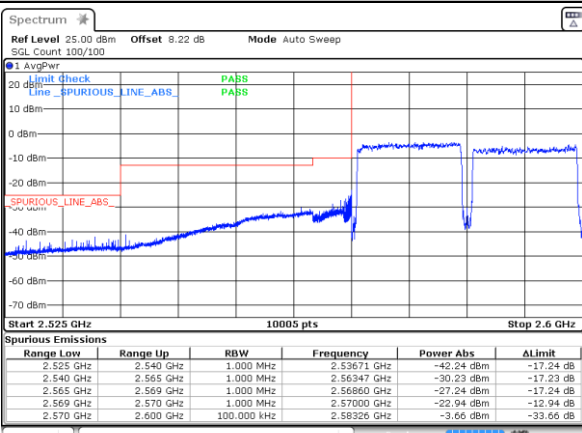


Date: 23 JUN 2022 05:48:52

Date: 23 JUN 2022 05:54:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23 JUN 2022 05:51:01

Date: 23 JUN 2022 05:52:41

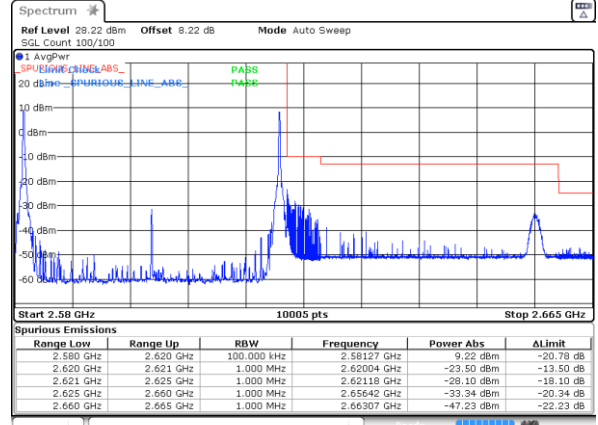
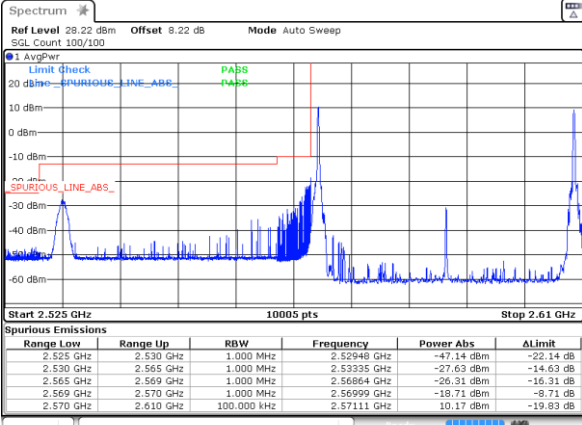


LTE Band 38C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

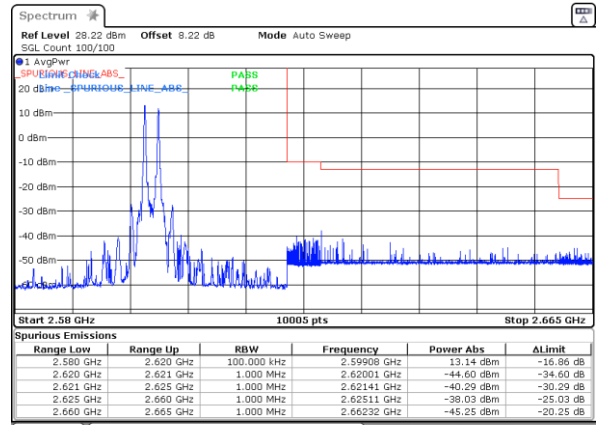
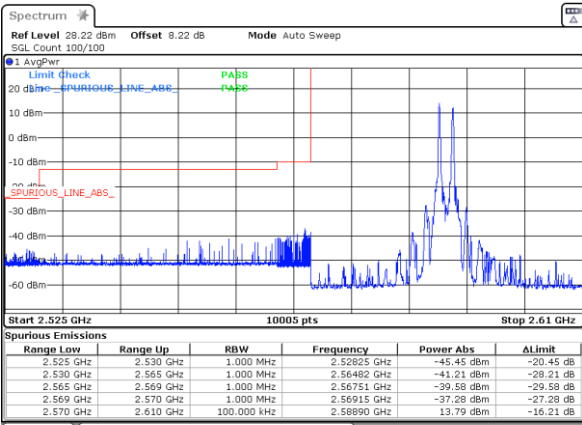


Date: 23 JUN 2022 05:57:25

Date: 23 JUN 2022 06:00:19

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

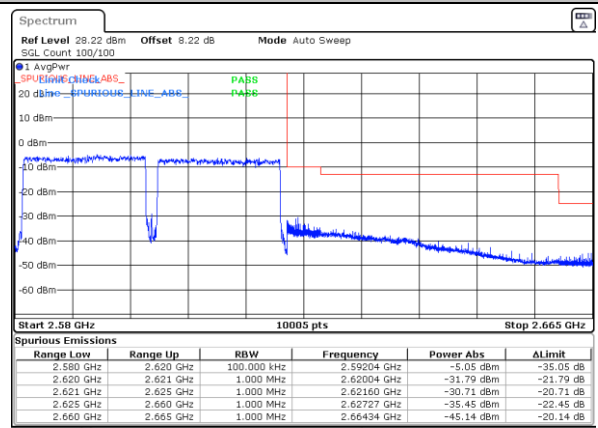
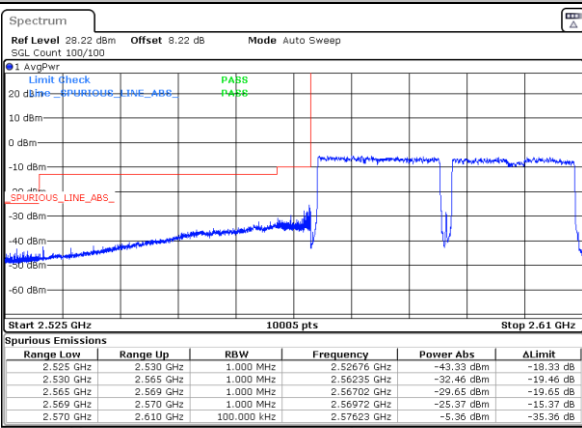


Date: 23 JUN 2022 05:56:43

Date: 23 JUN 2022 06:01:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

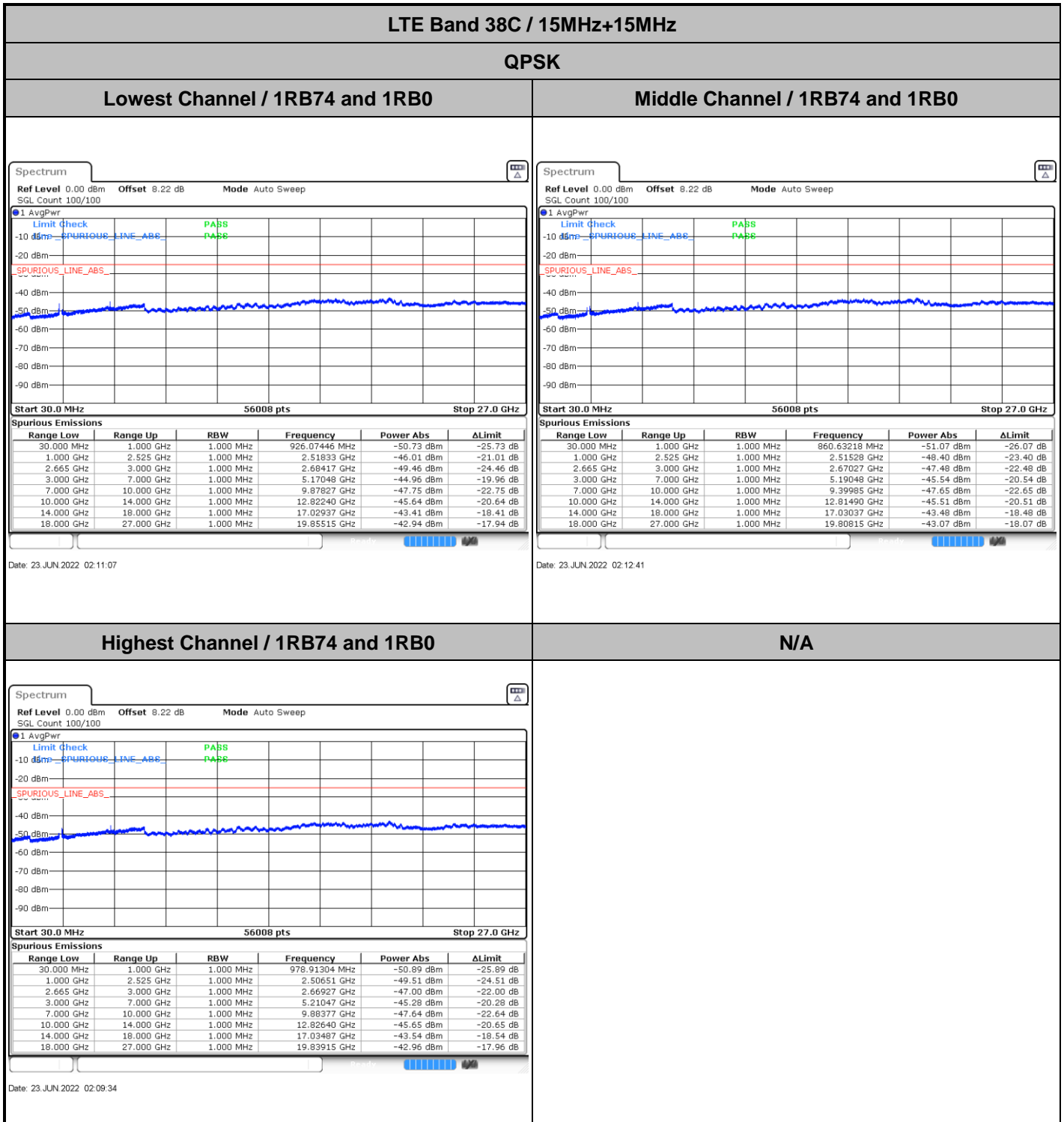


Date: 23 JUN 2022 05:58:06

Date: 23 JUN 2022 05:58:55



Conducted Spurious Emission



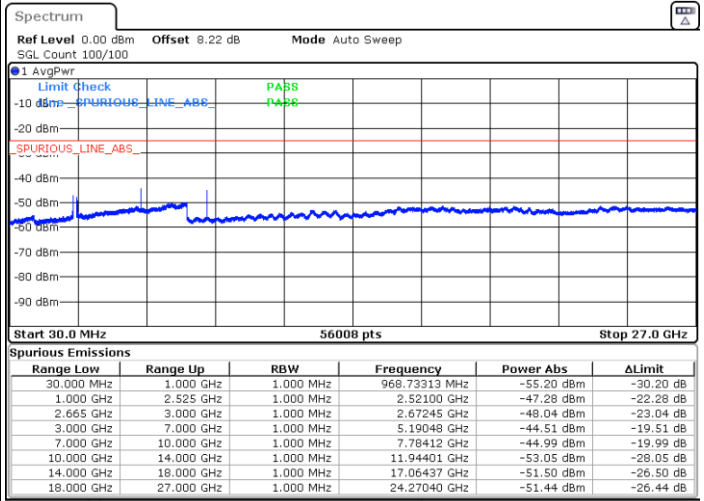
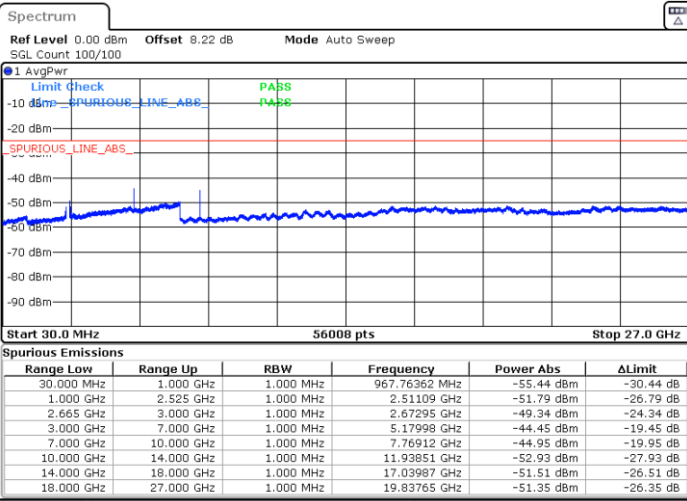


LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

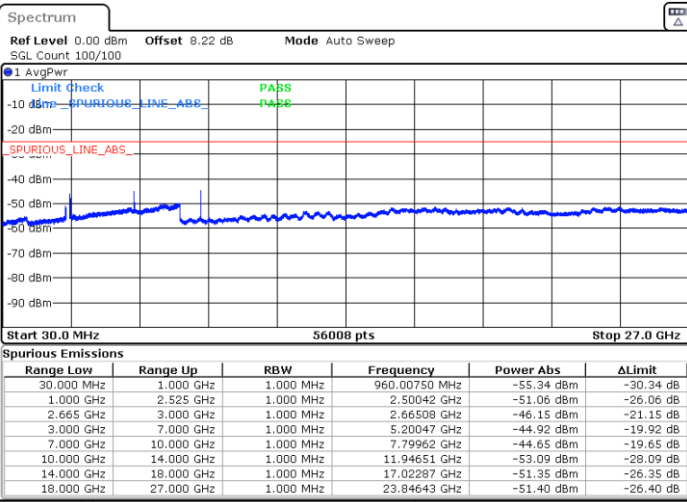


Date: 23 JUN 2022 02:48:31

Date: 23 JUN 2022 02:50:04

Highest Channel / 1RB99 and 1RB0

N/A



Date: 23 JUN 2022 02:46:58



Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

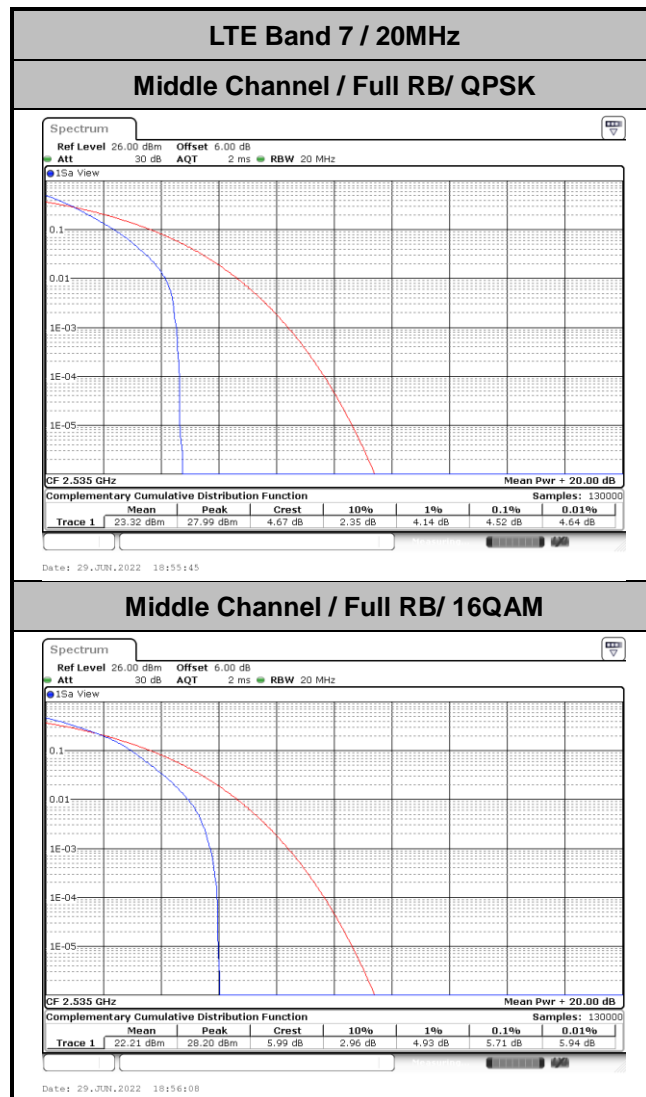


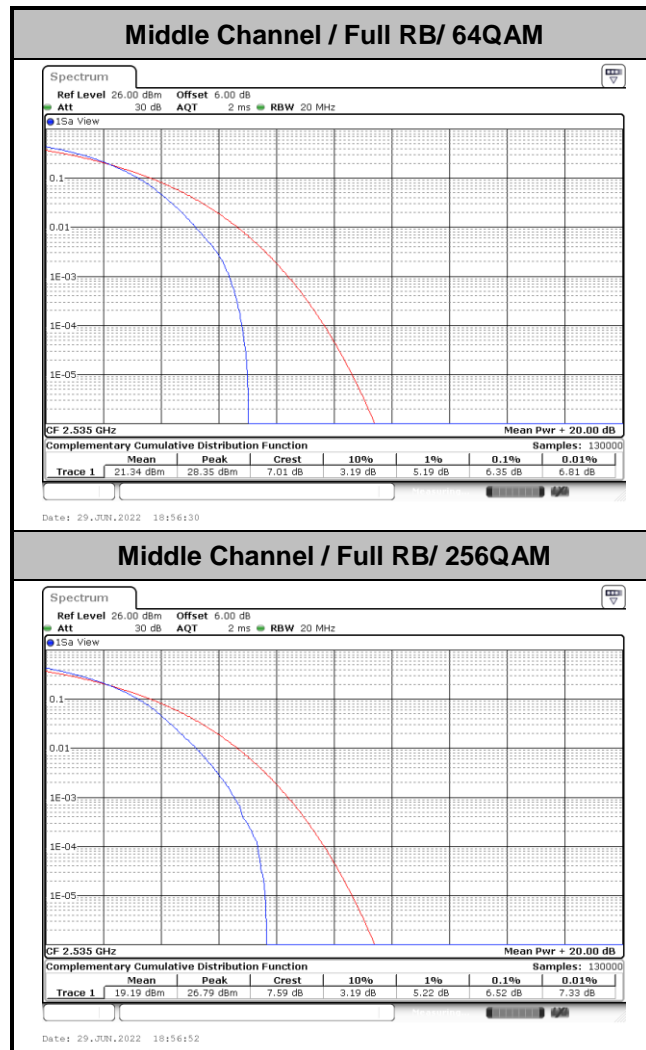
For other PA:

LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.52	5.71	6.35	6.52	PASS

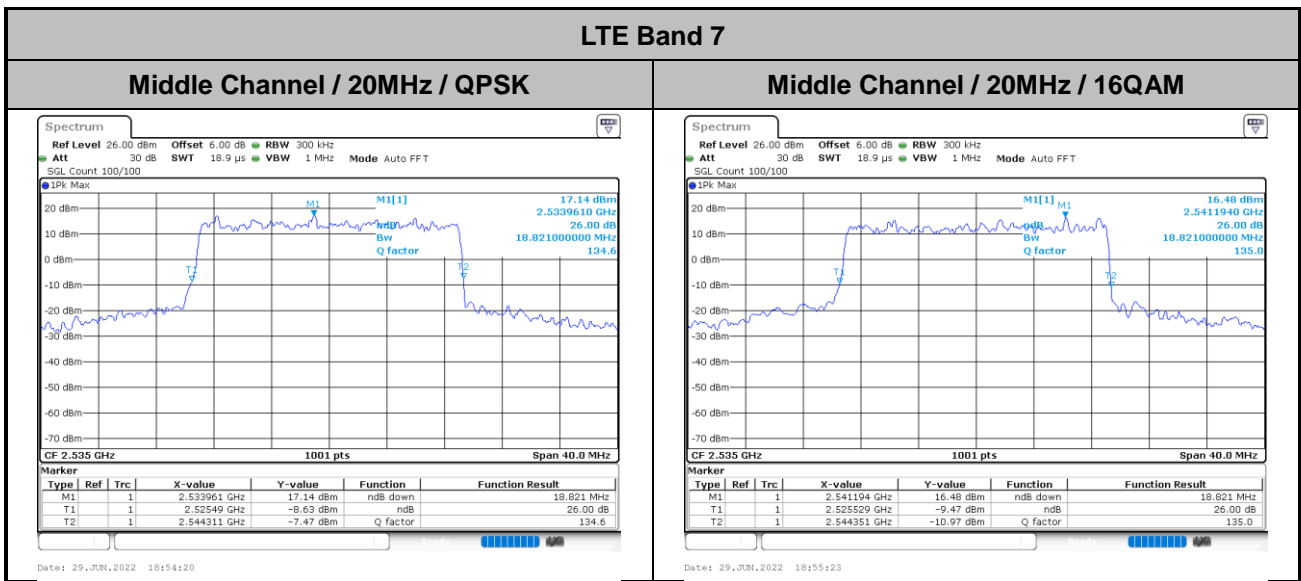






26dB Bandwidth

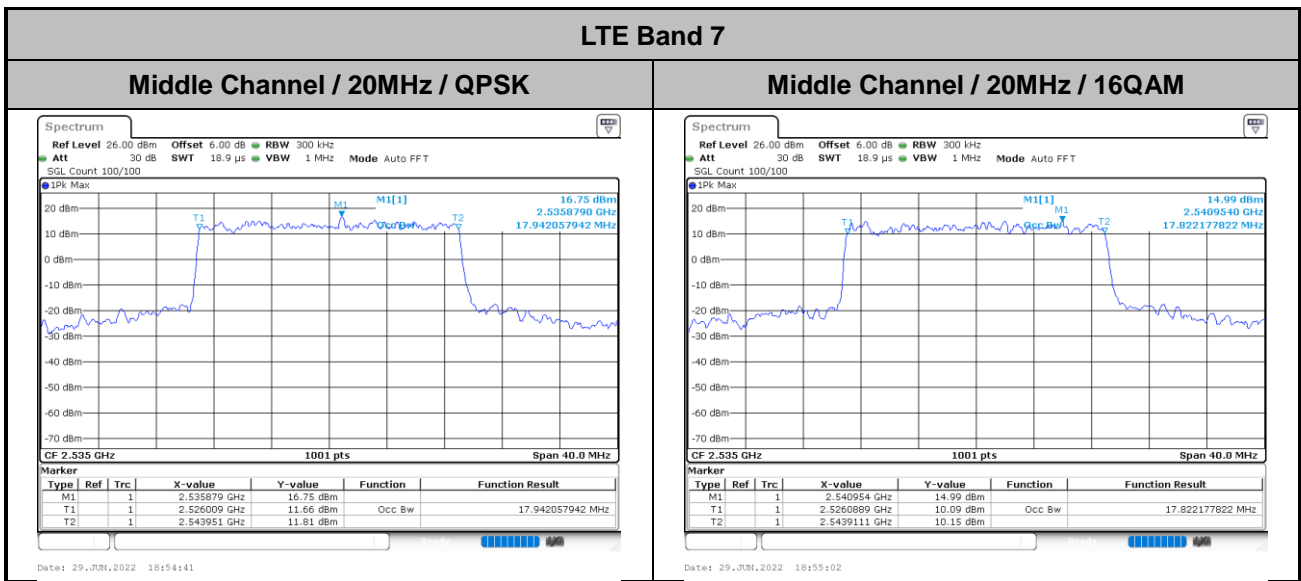
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.82	18.82





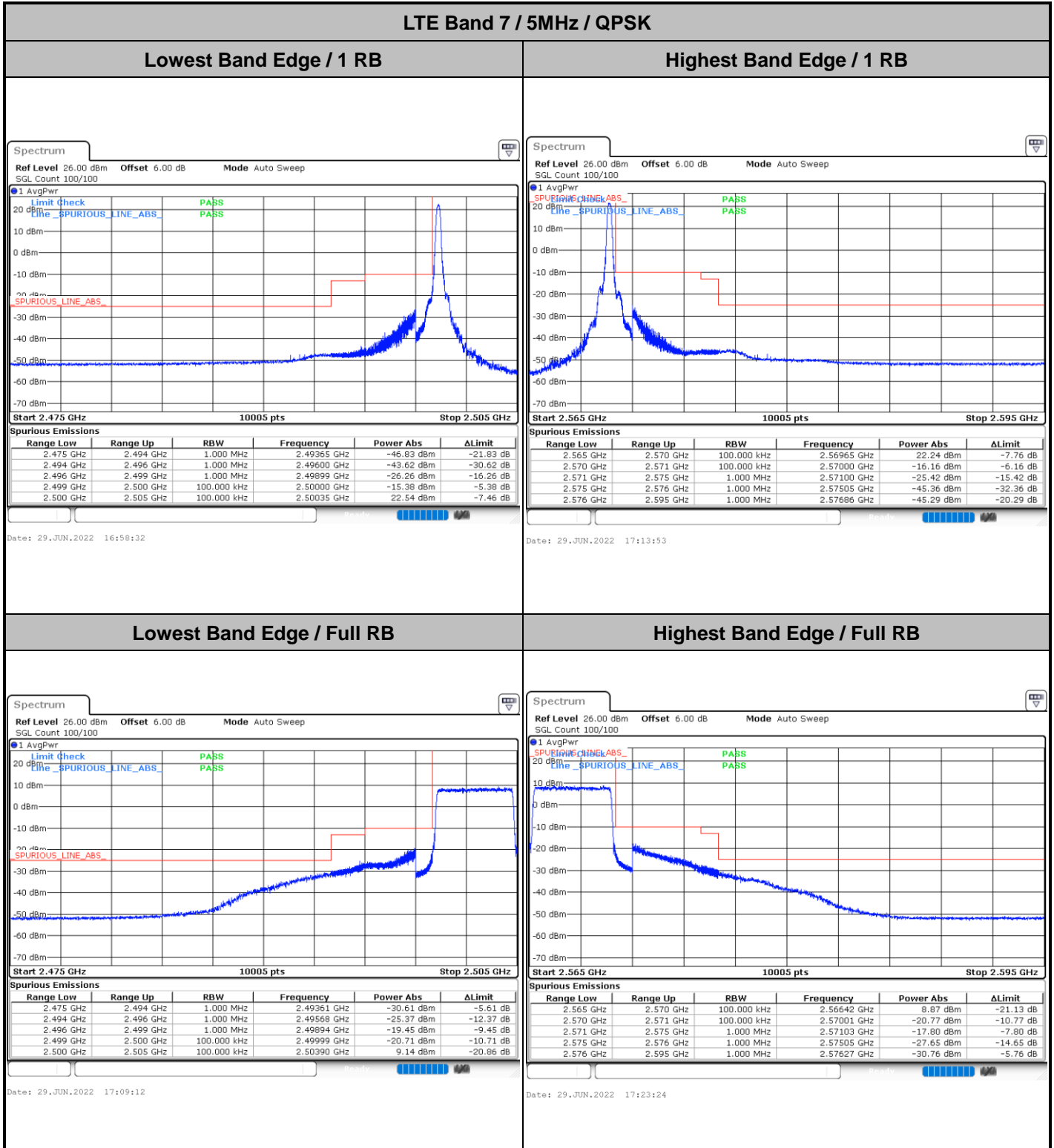
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.82





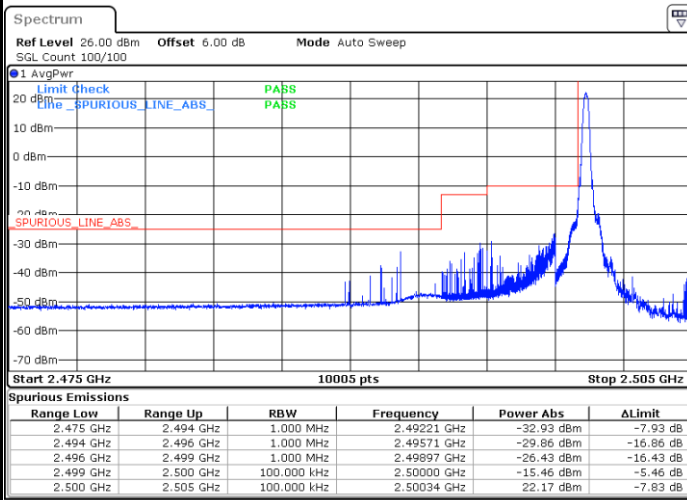
Conducted Band Edge





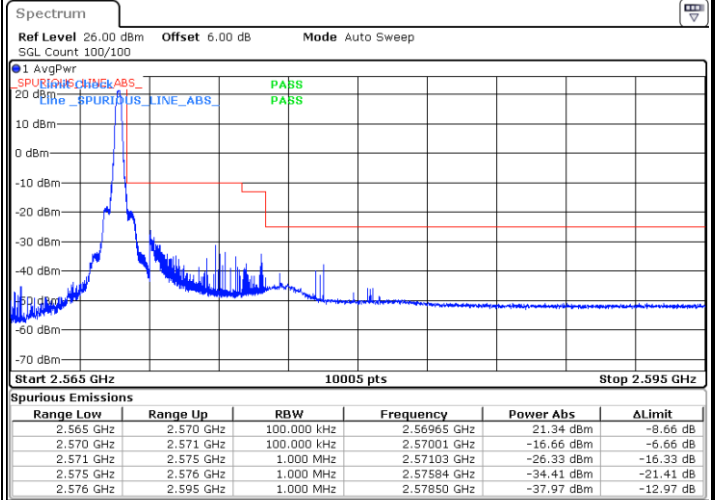
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



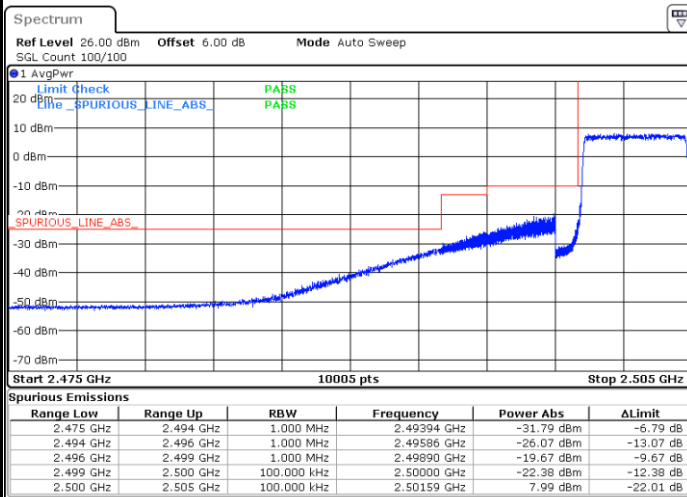
Date: 29 JUN 2022 16:59:53

Highest Band Edge / 1 RB



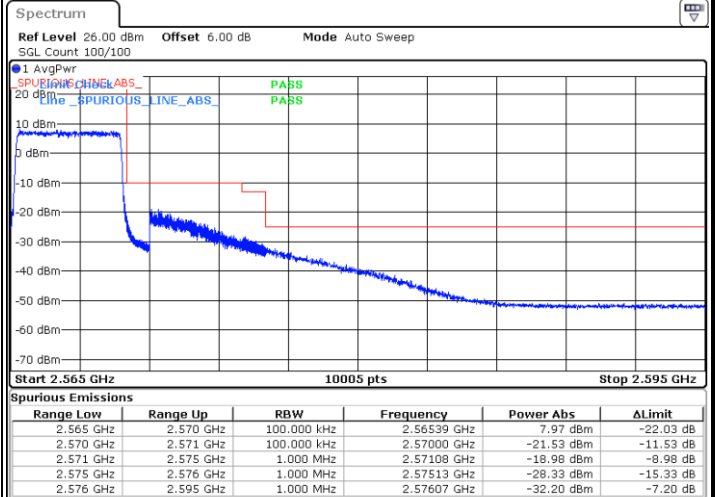
Date: 29 JUN 2022 17:15:14

Lowest Band Edge / Full RB



Date: 29 JUN 2022 17:07:51

Highest Band Edge / Full RB

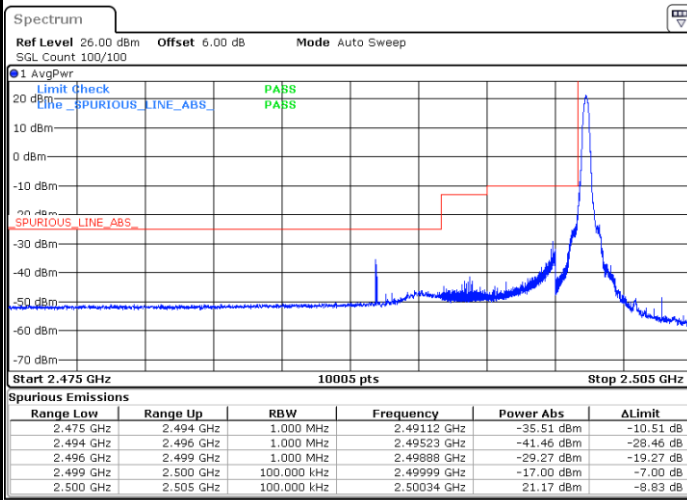


Date: 29 JUN 2022 17:22:04



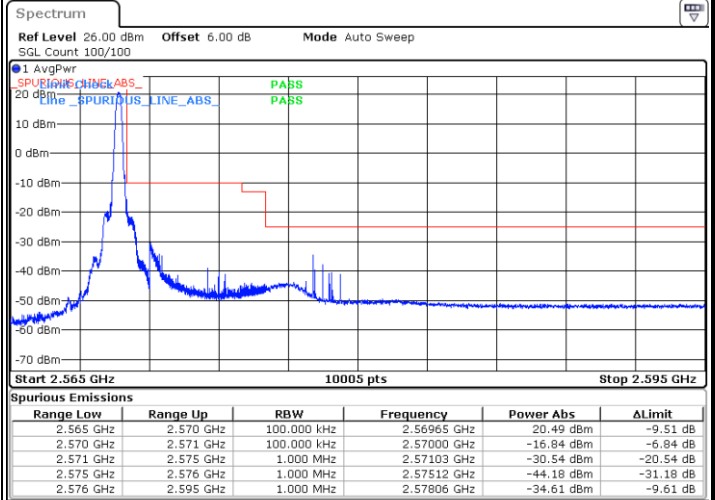
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



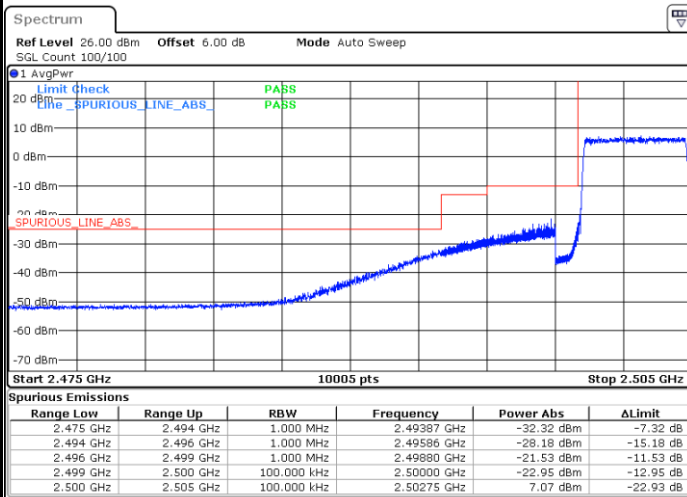
Date: 29.JUN.2022 17:01:14

Highest Band Edge / 1 RB



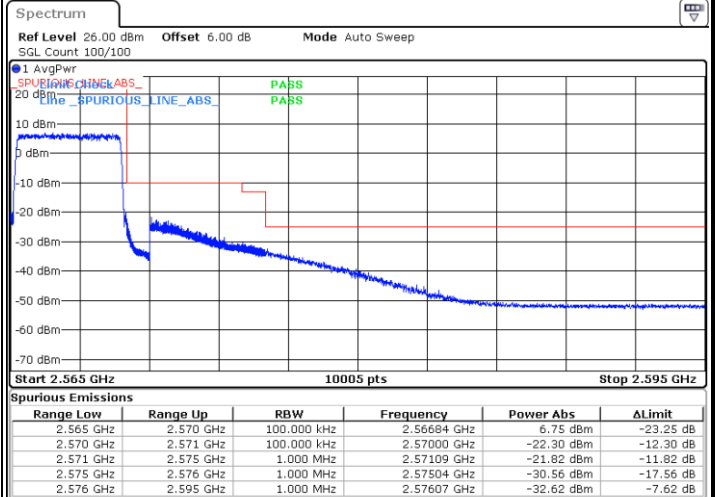
Date: 29.JUN.2022 17:16:35

Lowest Band Edge / Full RB



Date: 29.JUN.2022 17:06:10

Highest Band Edge / Full RB



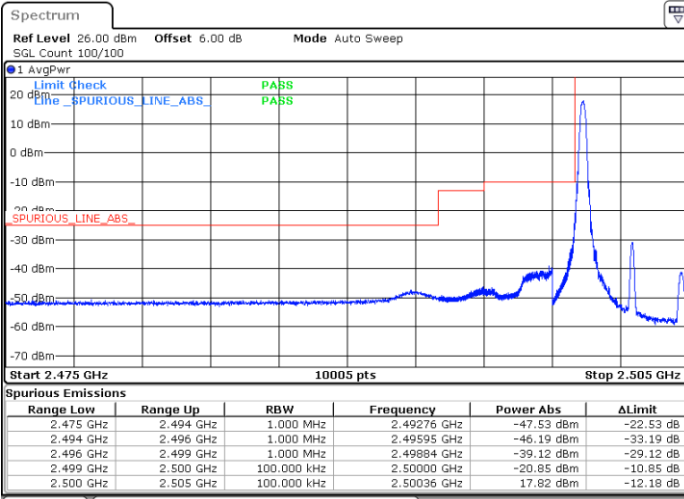
Date: 29.JUN.2022 17:20:42



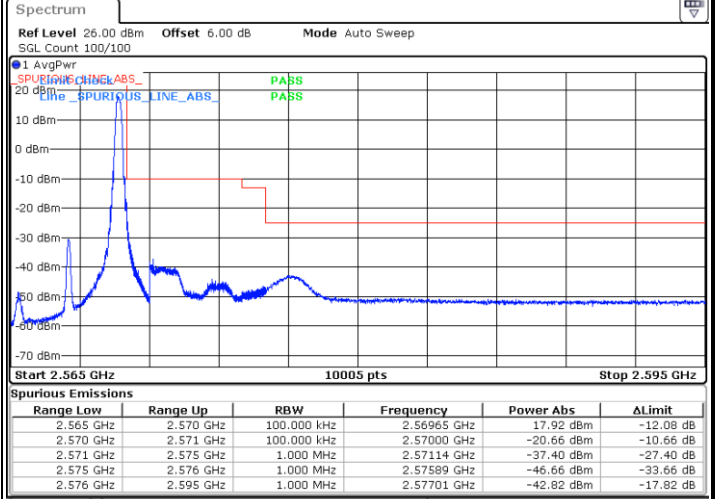
LTE Band 7 / 5MHz /256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



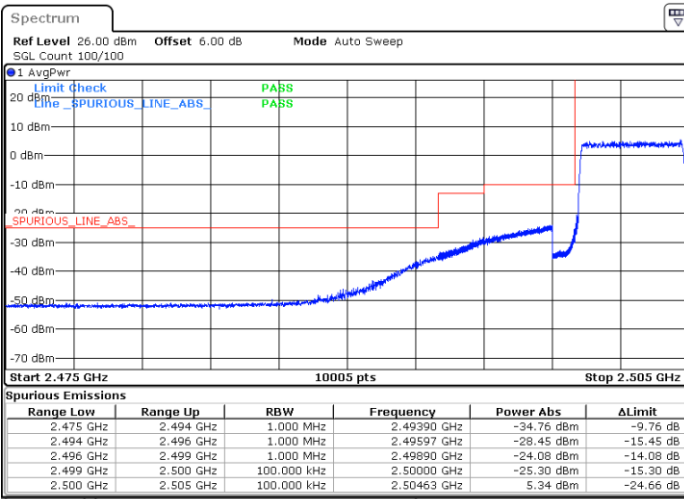
Date: 29 JUN.2022 17:02:36



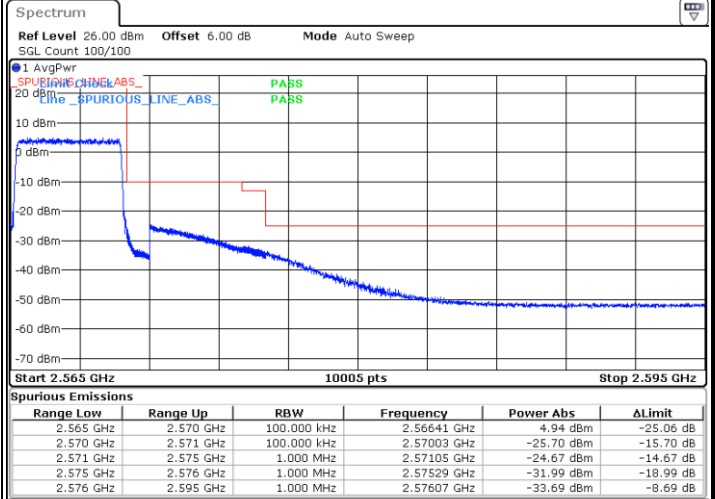
Date: 29 JUN.2022 17:17:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN.2022 17:05:07



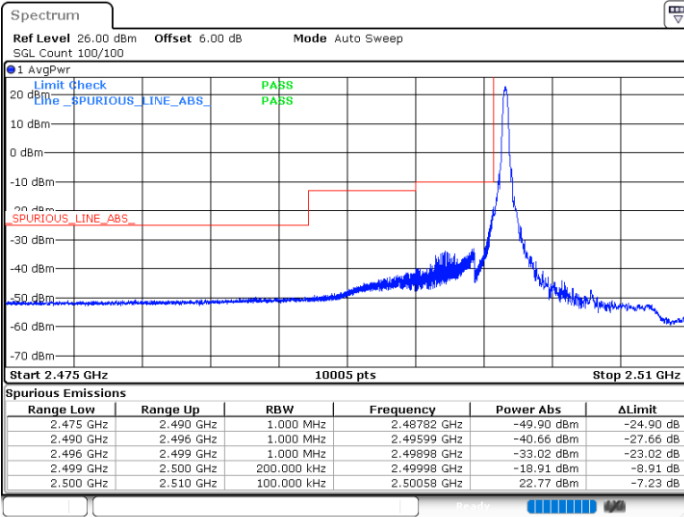
Date: 29 JUN.2022 17:19:19



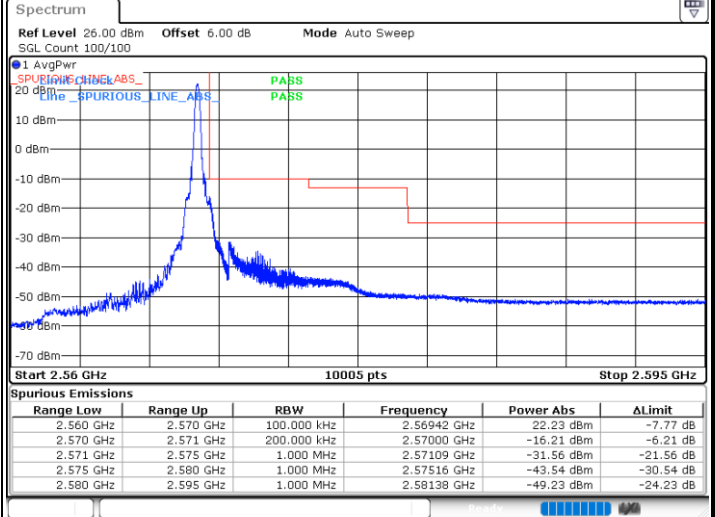
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



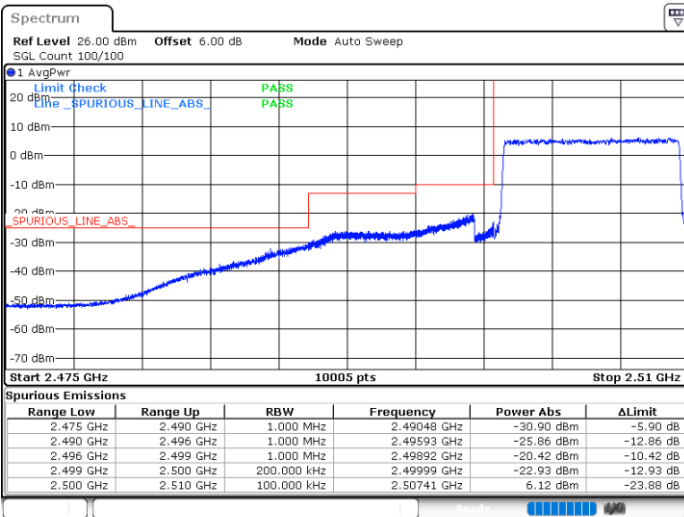
Date: 29 JUN 2022 17:26:26



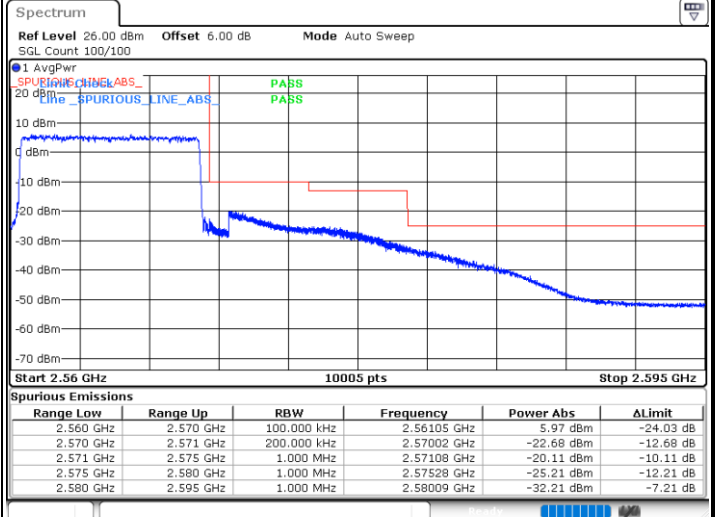
Date: 29 JUN 2022 17:41:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN 2022 17:36:38

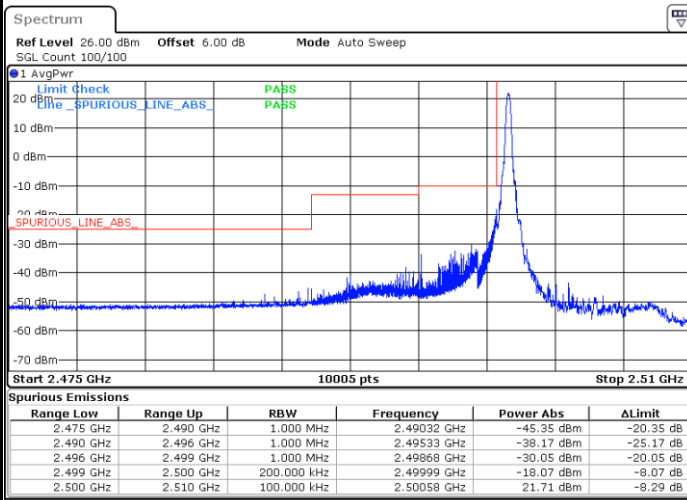


Date: 29 JUN 2022 17:50:50



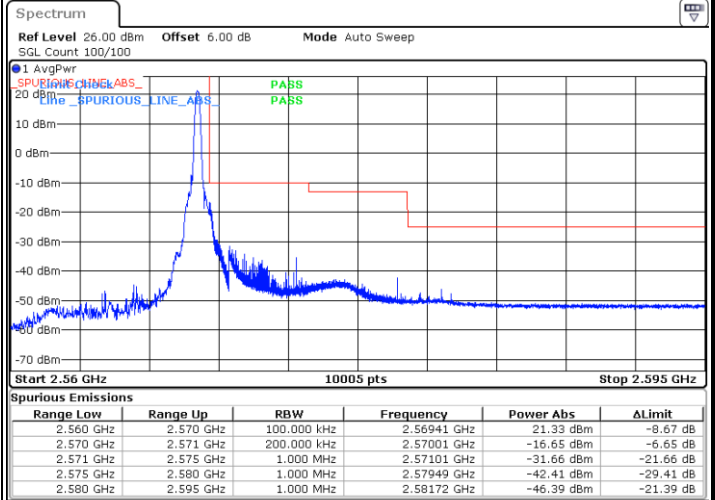
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



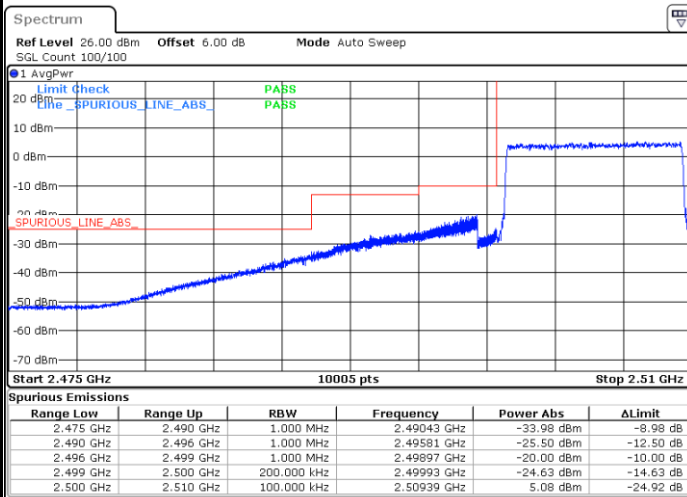
Date: 29 JUN.2022 17:27:47

Highest Band Edge / 1 RB



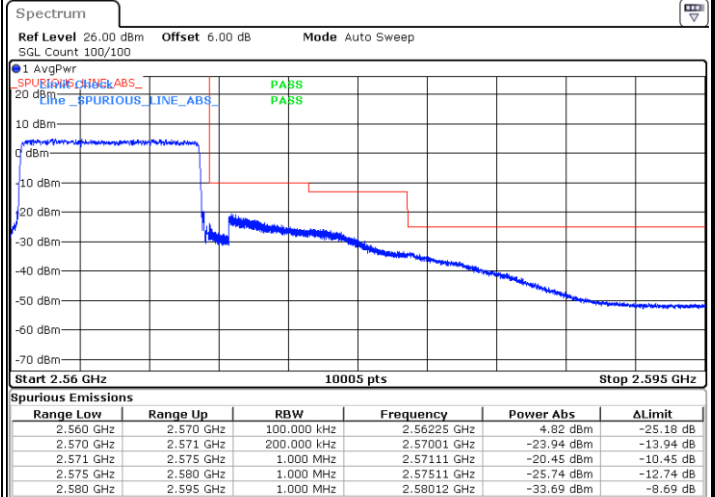
Date: 29 JUN.2022 17:42:40

Lowest Band Edge / Full RB



Date: 29 JUN.2022 17:35:17

Highest Band Edge / Full RB



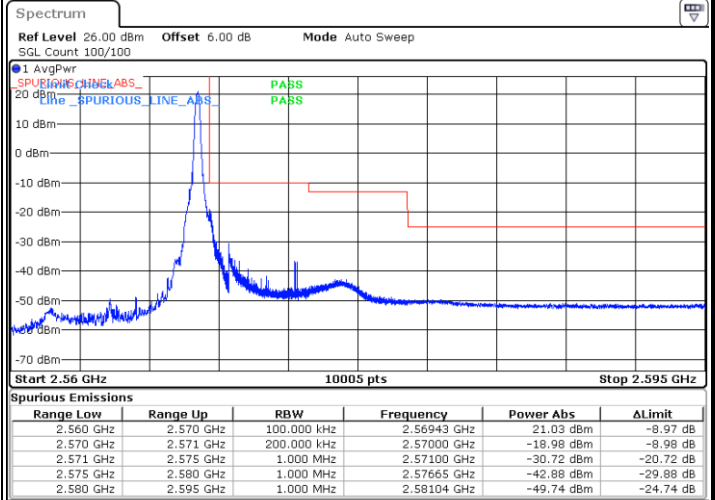
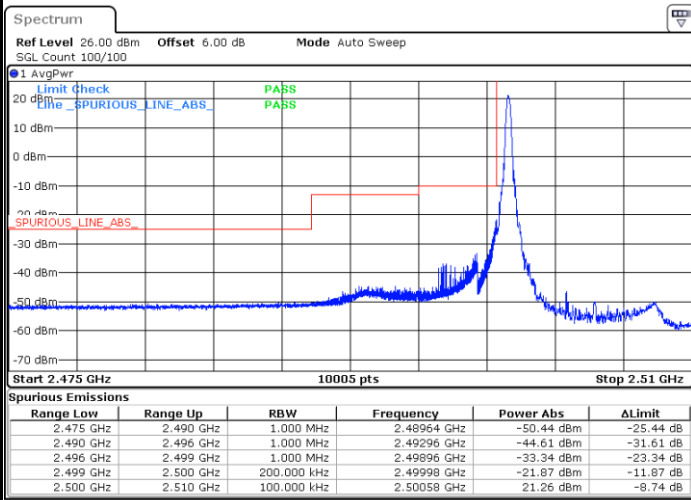
Date: 29 JUN.2022 17:49:29



LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

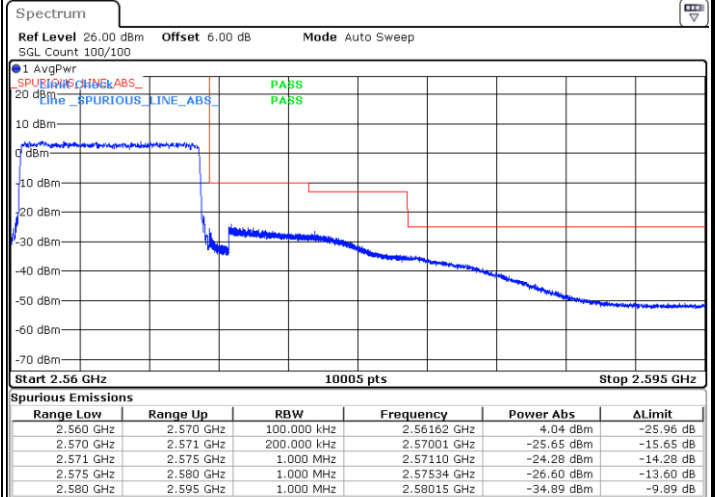
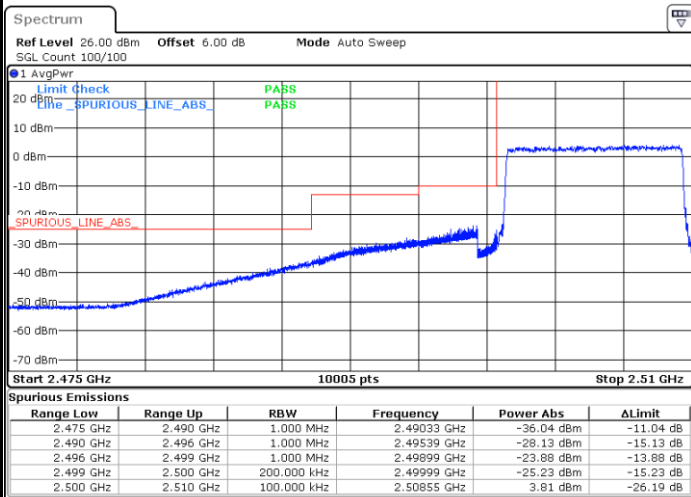


Date: 29 JUN 2022 17:29:07

Date: 29 JUN 2022 17:44:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN 2022 17:33:55

Date: 29 JUN 2022 17:48:08