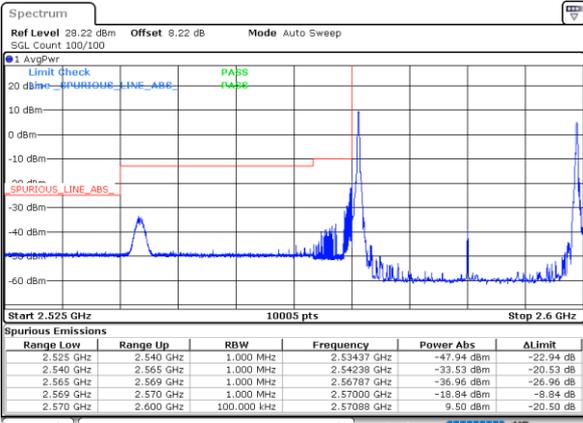




LTE Band 38C / 15MHz+15MHz

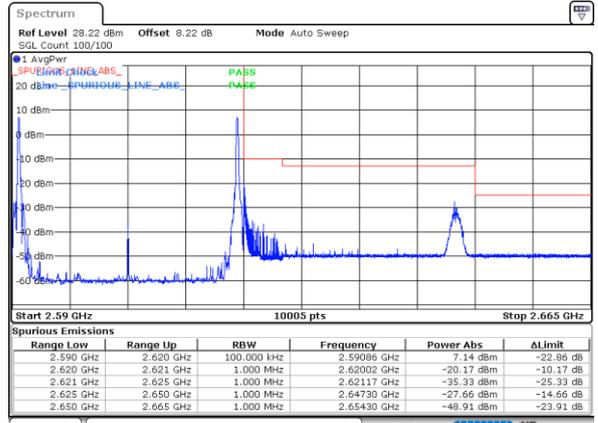
64QAM

Lowest Band Edge / 1RB0 and 1RB74



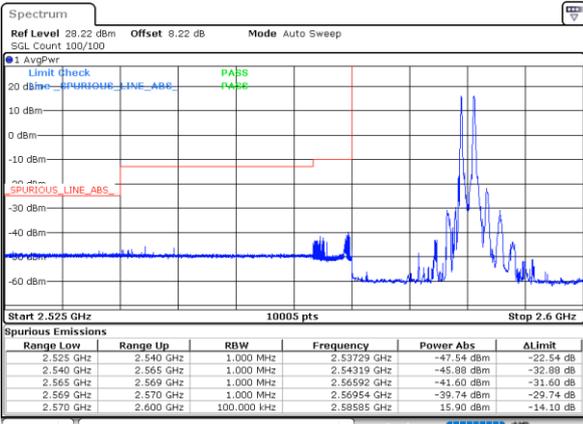
Date: 4.NOV.2022 04:47:42

Highest Band Edge / 1RB0 and 1RB74



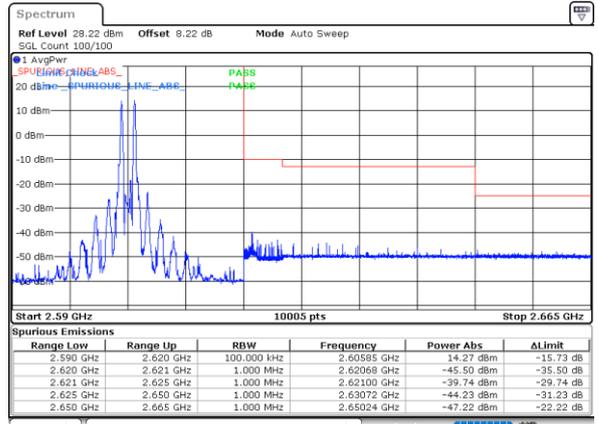
Date: 4.NOV.2022 05:12:12

Lowest Band Edge / 1RB74 and 1RB0



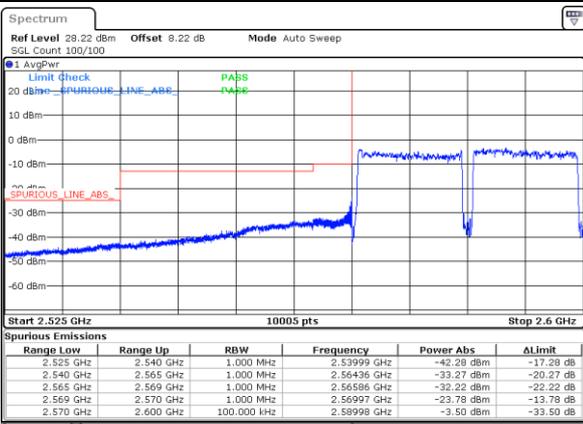
Date: 4.NOV.2022 04:51:39

Highest Band Edge / 1RB74 and 1RB0



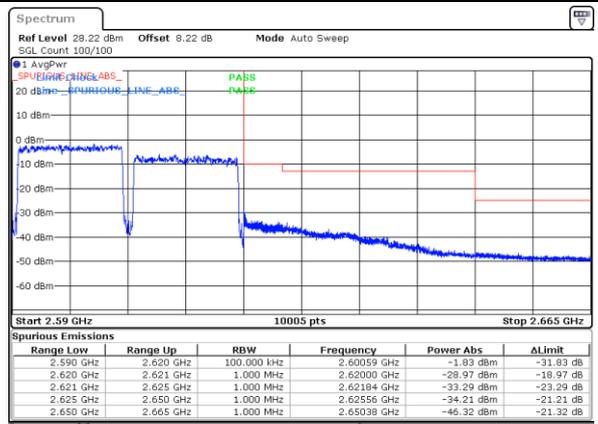
Date: 4.NOV.2022 05:08:16

Lowest Band Edge / Full RB



Date: 4.NOV.2022 04:58:14

Highest Band Edge / Full RB



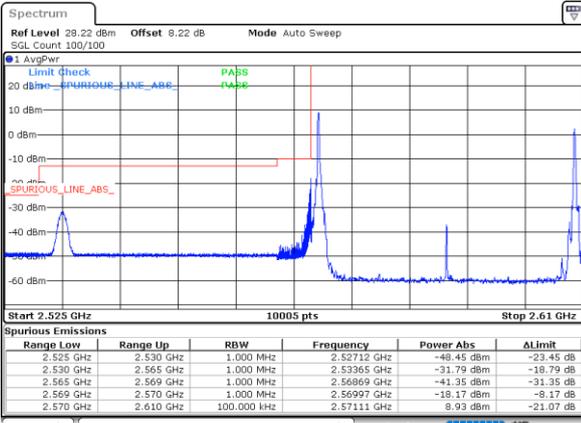
Date: 4.NOV.2022 20:41:10



LTE Band 38C / 20MHz+20MHz

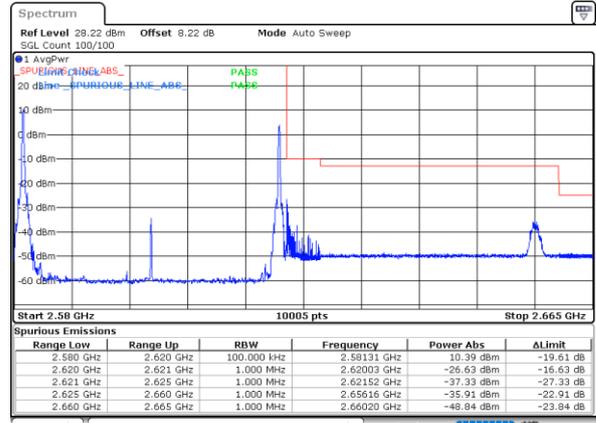
64QAM

Lowest Band Edge / 1RB0 and 1RB9



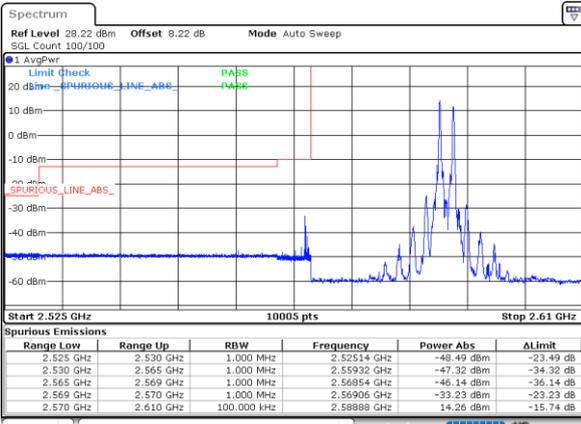
Date: 4.NOV.2022 20:52:03

Highest Band Edge / 1RB0 and 1RB9



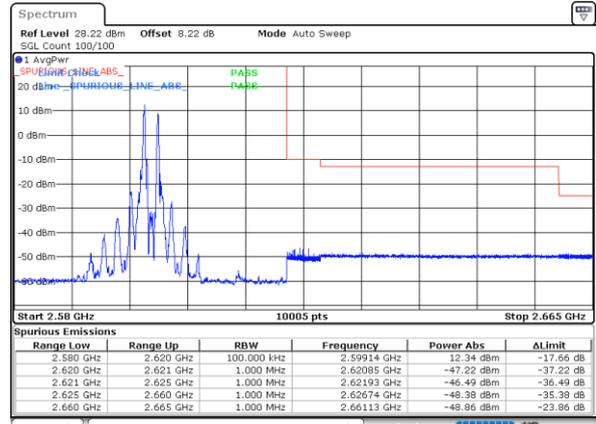
Date: 4.NOV.2022 21:12:37

Lowest Band Edge / 1RB99 and 1RB0



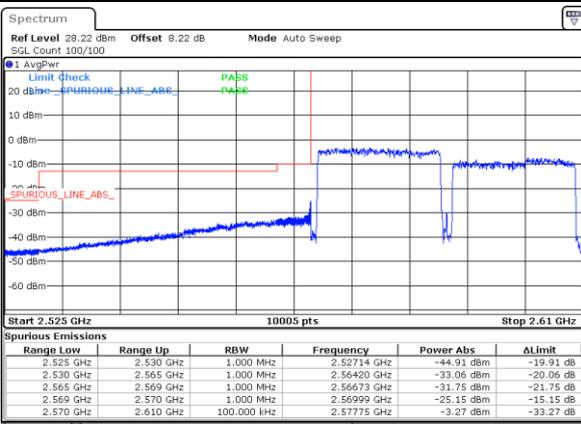
Date: 4.NOV.2022 20:58:17

Highest Band Edge / 1RB99 and 1RB0



Date: 4.NOV.2022 21:08:42

Lowest Band Edge / Full RB



Date: 4.NOV.2022 20:48:06

Highest Band Edge / Full RB



Date: 4.NOV.2022 21:19:11

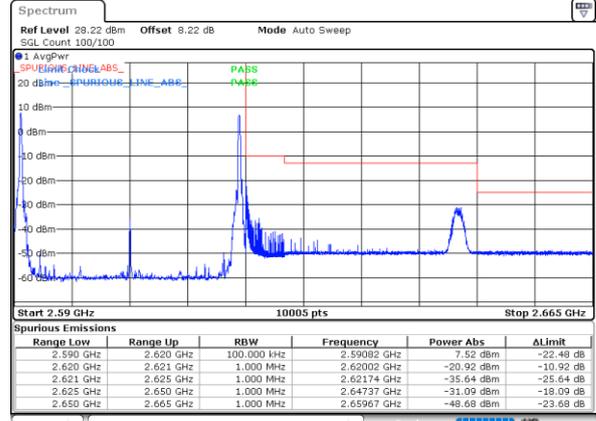
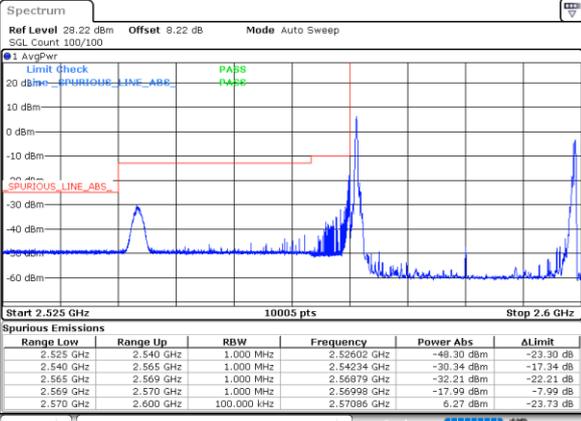


LTE Band 38C / 15MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

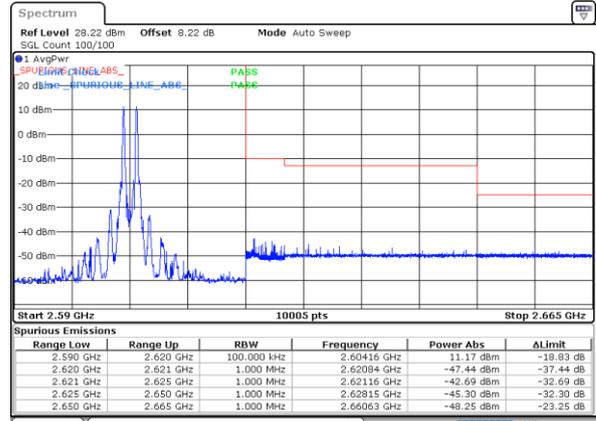
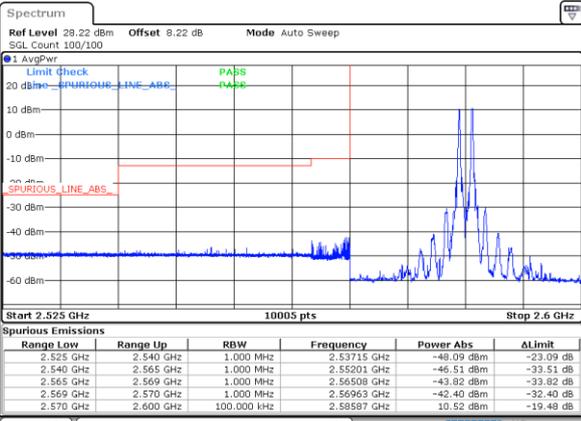


Date: 4.NOV.2022 04:49:01

Date: 4.NOV.2022 05:10:53

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

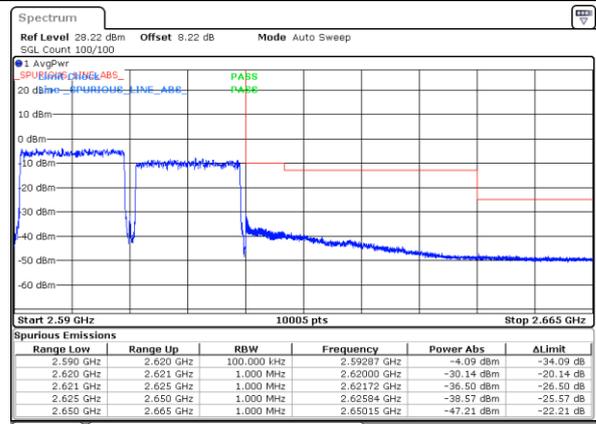
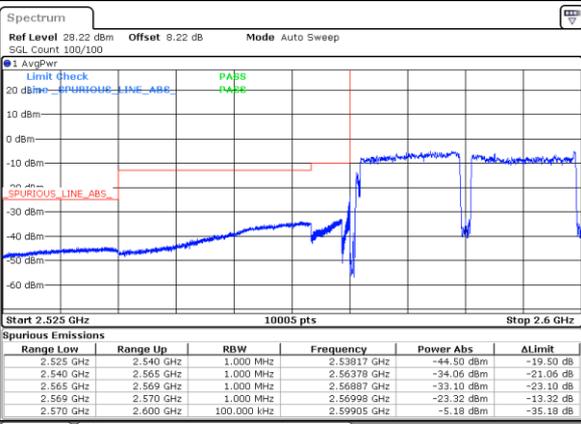


Date: 4.NOV.2022 04:50:20

Date: 4.NOV.2022 05:09:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.NOV.2022 04:59:41

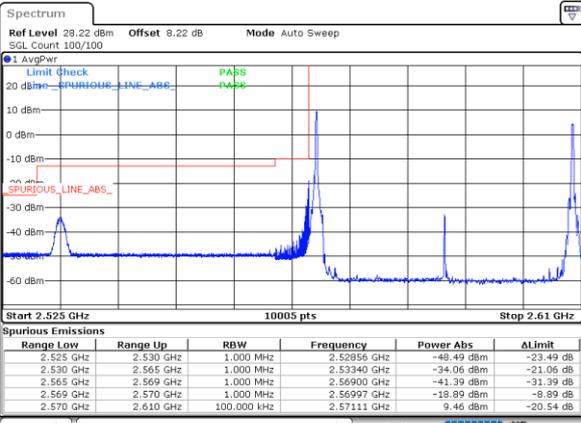
Date: 4.NOV.2022 20:41:54



LTE Band 38C / 20MHz+20MHz

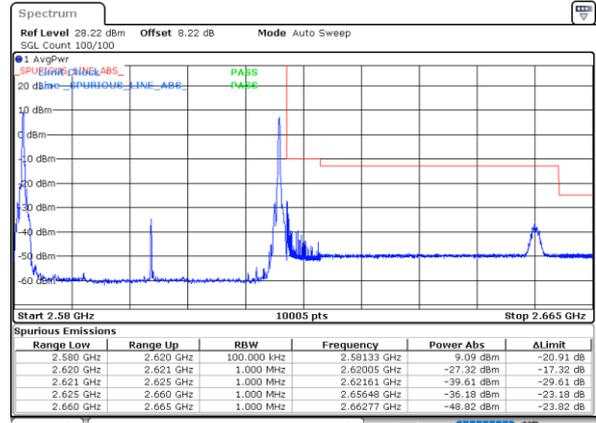
256QAM

Lowest Band Edge / 1RB0 and 1RB9



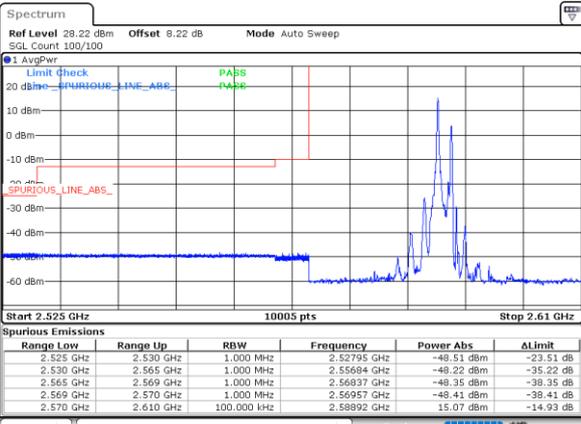
Date: 4.NOV.2022 20:50:44

Highest Band Edge / 1RB0 and 1RB9



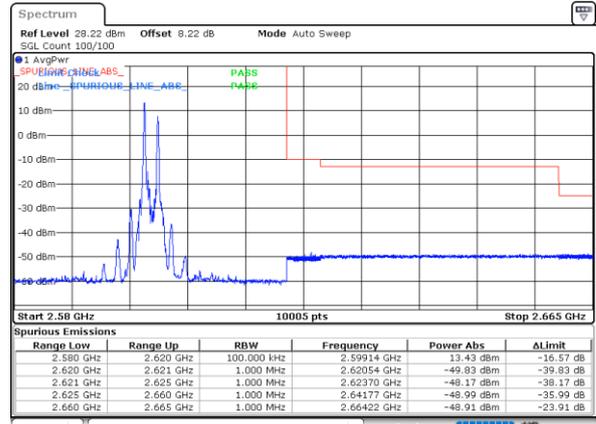
Date: 4.NOV.2022 21:11:19

Lowest Band Edge / 1RB99 and 1RB0



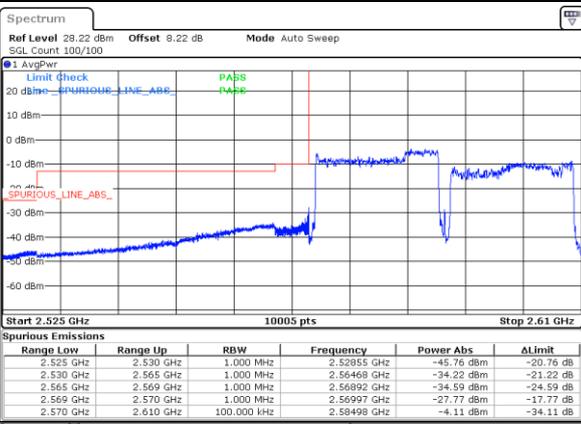
Date: 4.NOV.2022 20:59:56

Highest Band Edge / 1RB99 and 1RB0



Date: 4.NOV.2022 21:10:00

Lowest Band Edge / Full RB



Date: 4.NOV.2022 20:49:25

Highest Band Edge / Full RB



Date: 4.NOV.2022 21:20:29



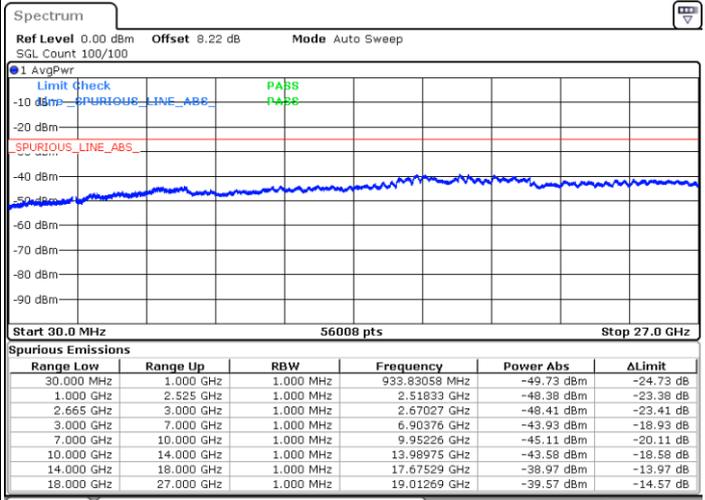
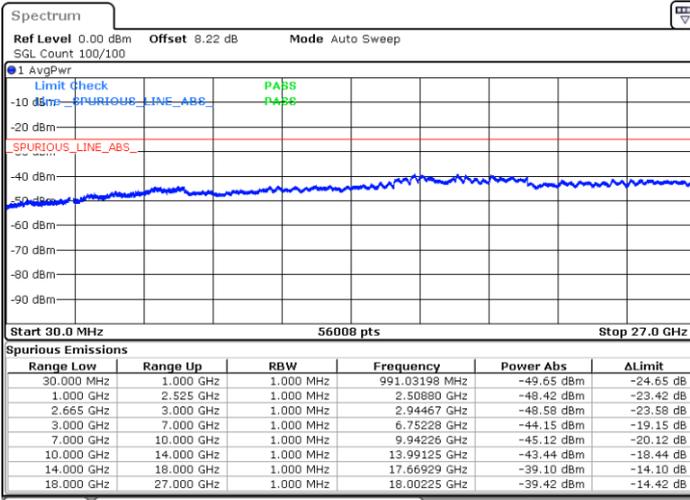
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

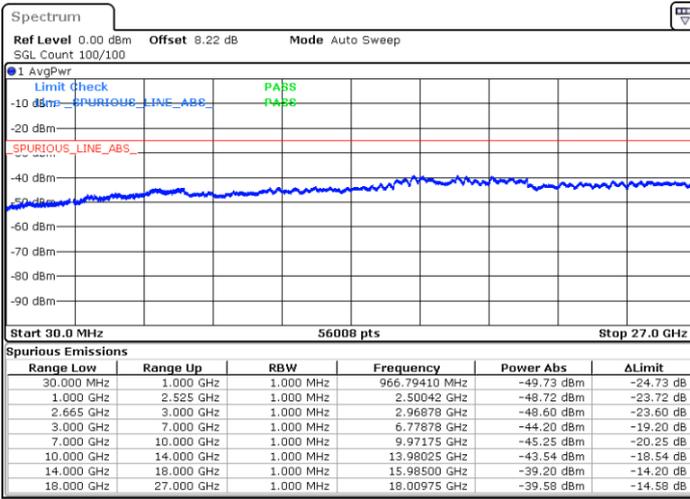


Date: 4.NOV.2022 05:01:10

Date: 4.NOV.2022 05:02:45

Highest Channel / 1RB74 and 1RB0

N/A



Date: 4.NOV.2022 05:04:20

N/A

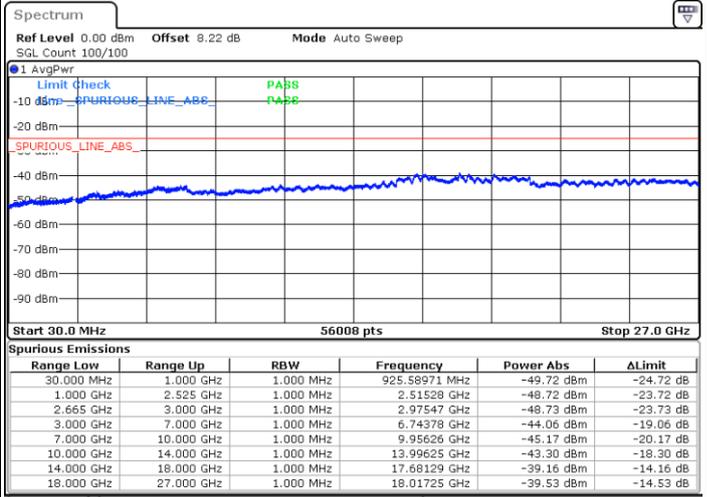
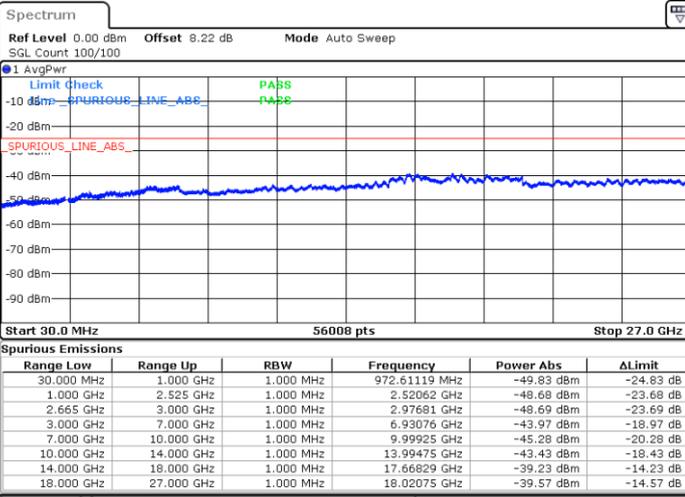


LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

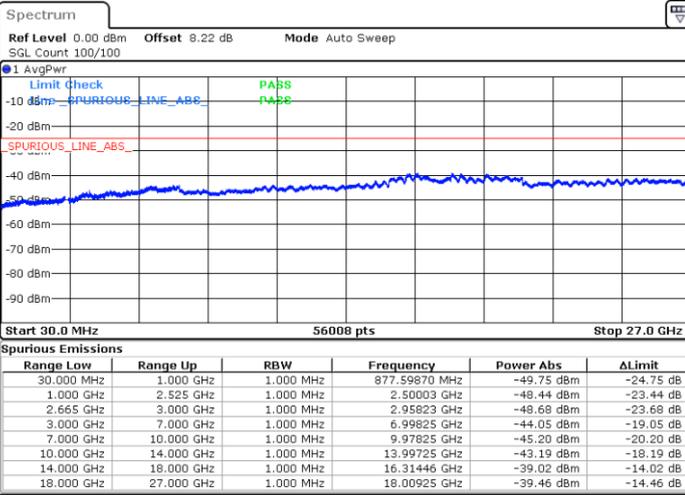


Date: 4.NOV.2022 21:01:24

Date: 4.NOV.2022 21:03:03

Highest Channel / 1RB99 and 1RB0

N/A



Date: 4.NOV.2022 21:04:46

N/A



Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0021	

Note:

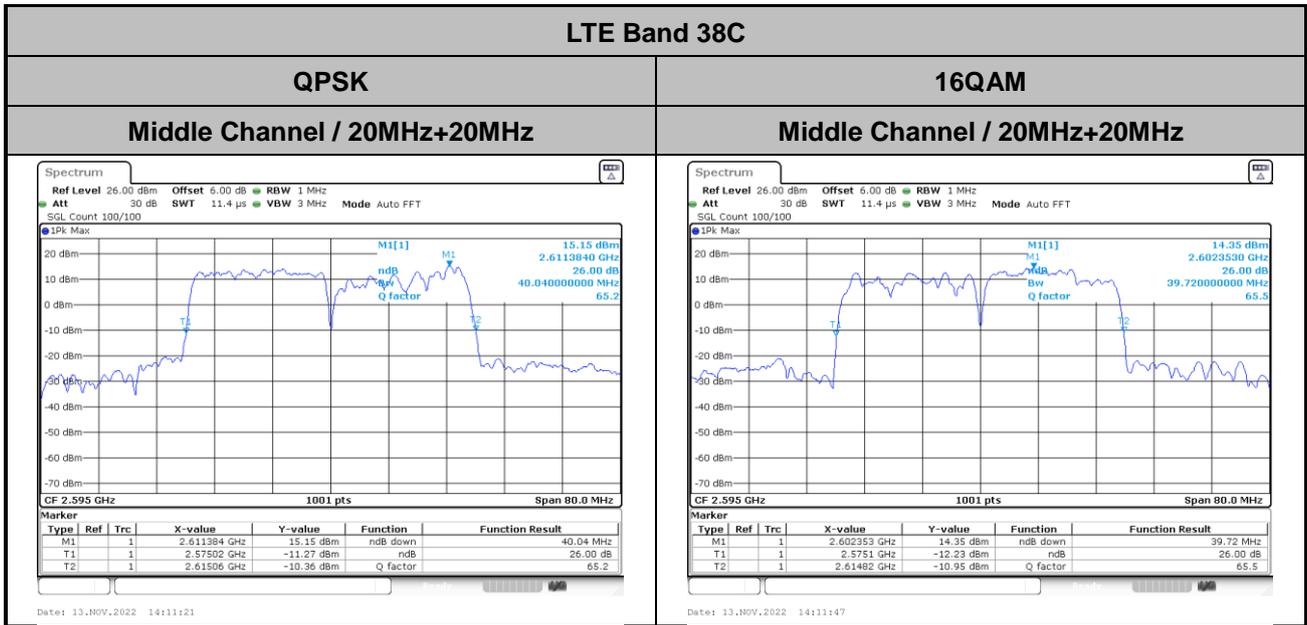
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38C(other PA)

26dB Bandwidth

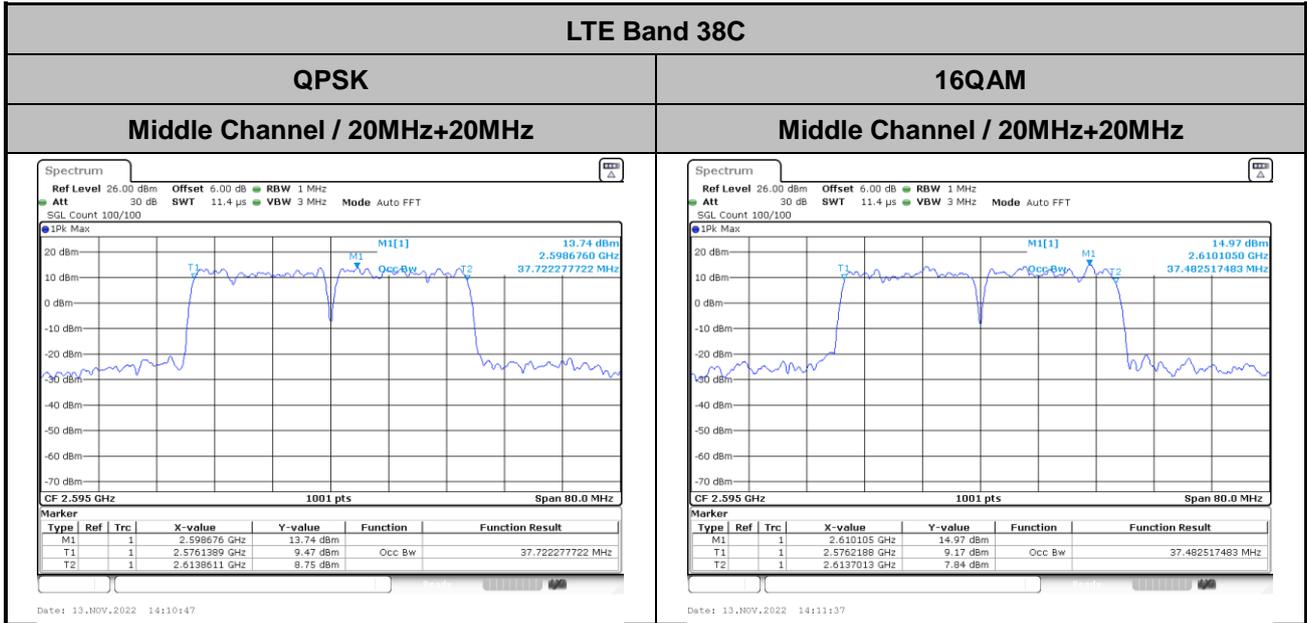
Mode	LTE Band 38C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	40.04	39.72





Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.72	37.48



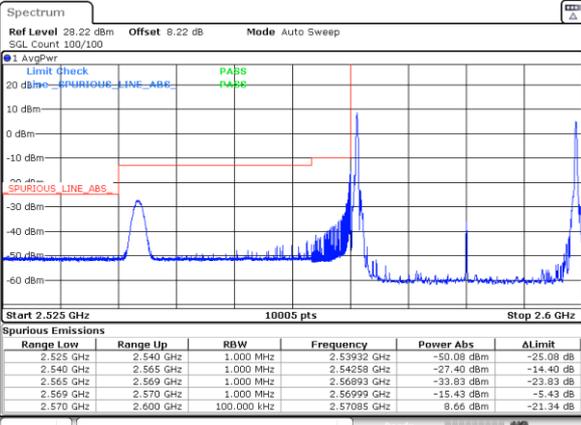


Conducted Band Edge

LTE Band 38C / 15MHz+15MHz

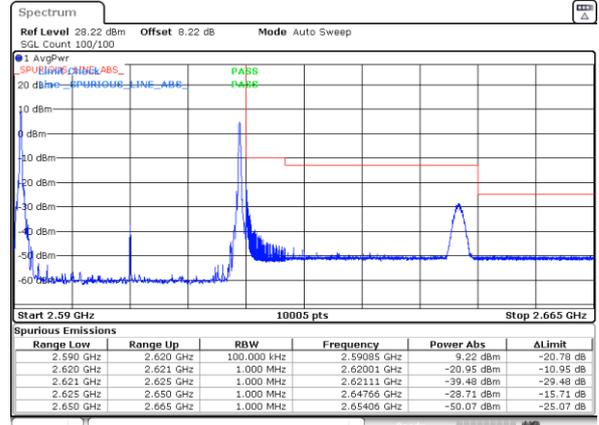
QPSK

Lowest Band Edge / 1RB0 and 1RB74



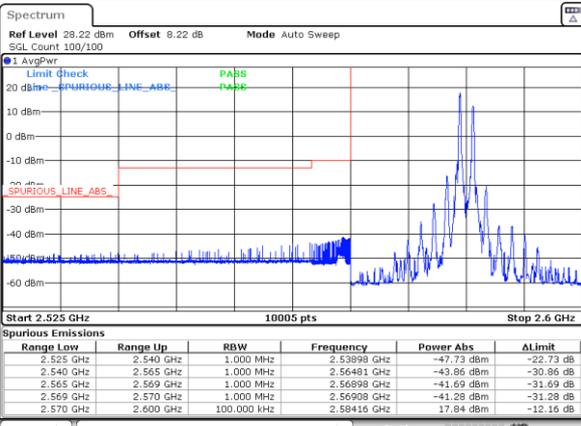
Date: 13,NOV,2022 11:17:27

Highest Band Edge / 1RB0 and 1RB74



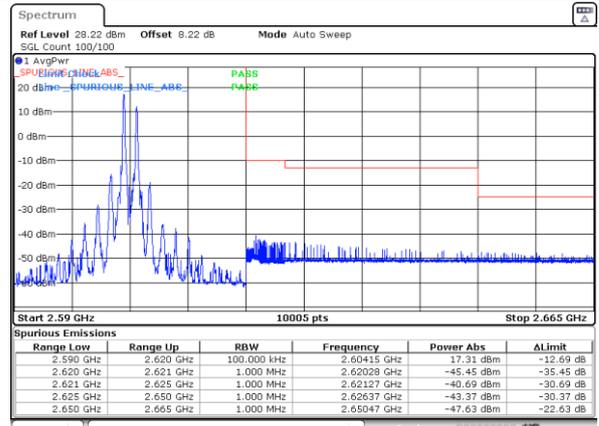
Date: 13,NOV,2022 11:37:32

Lowest Band Edge / 1RB74 and 1RB0



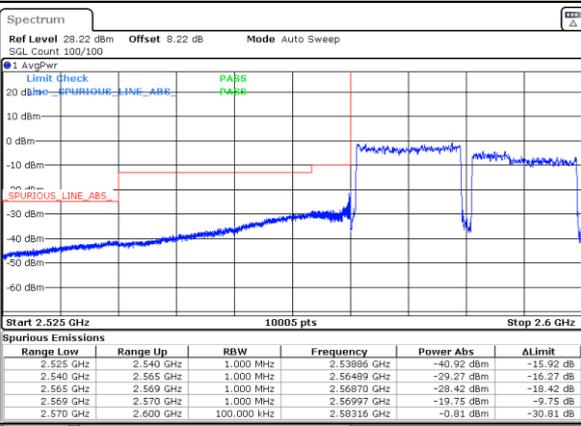
Date: 13,NOV,2022 11:18:58

Highest Band Edge / 1RB74 and 1RB0



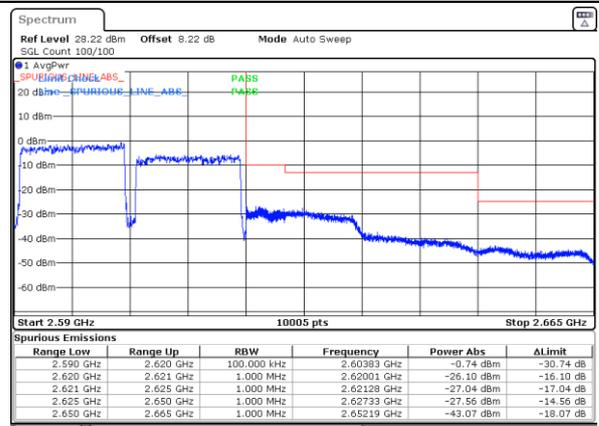
Date: 13,NOV,2022 11:39:02

Lowest Band Edge / Full RB



Date: 13,NOV,2022 11:06:49

Highest Band Edge / Full RB



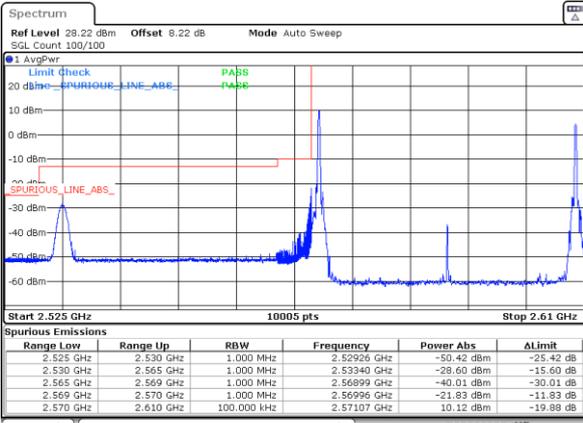
Date: 13,NOV,2022 11:27:03



LTE Band 38C / 20MHz+20MHz

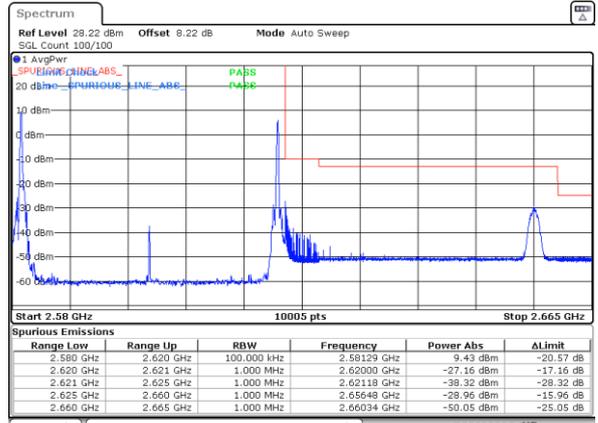
QPSK

Lowest Band Edge / 1RB0 and 1RB9



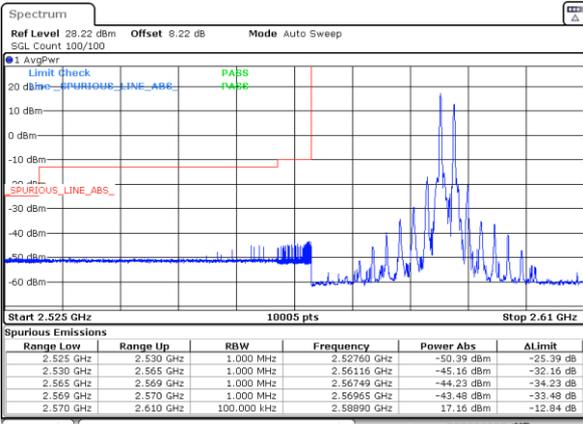
Date: 13.NOV.2022 12:51:49

Highest Band Edge / 1RB0 and 1RB9



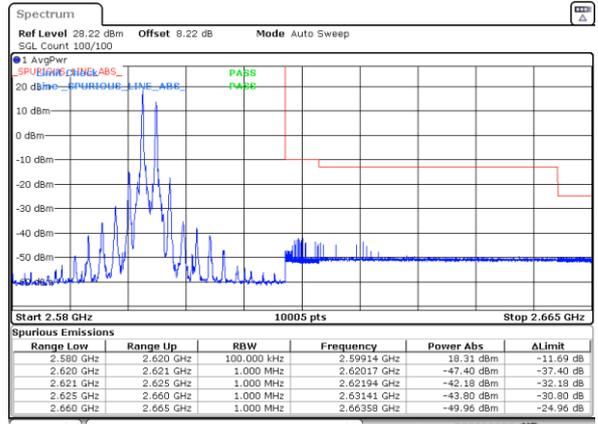
Date: 13.NOV.2022 13:25:40

Lowest Band Edge / 1RB99 and 1RB0



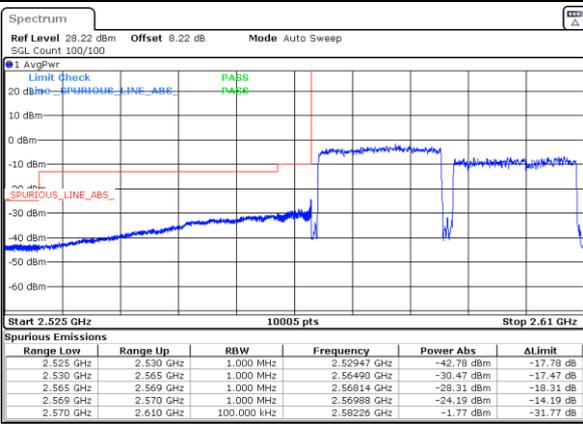
Date: 13.NOV.2022 12:53:21

Highest Band Edge / 1RB99 and 1RB0



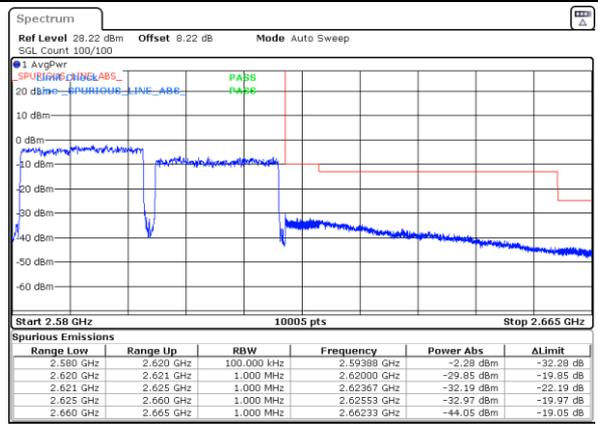
Date: 13.NOV.2022 13:27:10

Lowest Band Edge / Full RB



Date: 13.NOV.2022 12:41:08

Highest Band Edge / Full RB



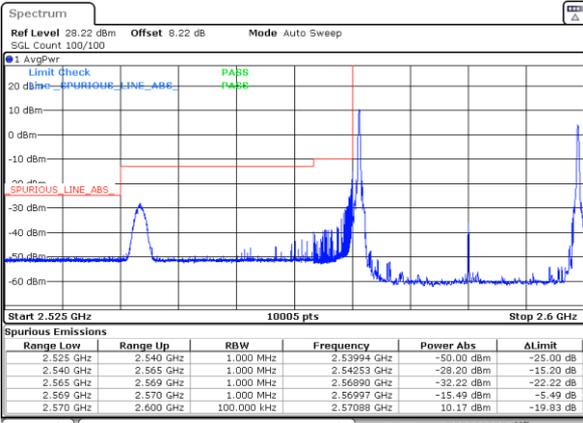
Date: 13.NOV.2022 13:15:12



LTE Band 38C / 15MHz+15MHz

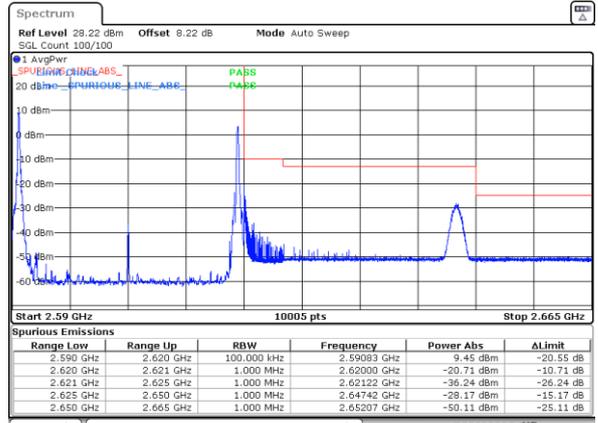
16QAM

Lowest Band Edge / 1RB0 and 1RB74



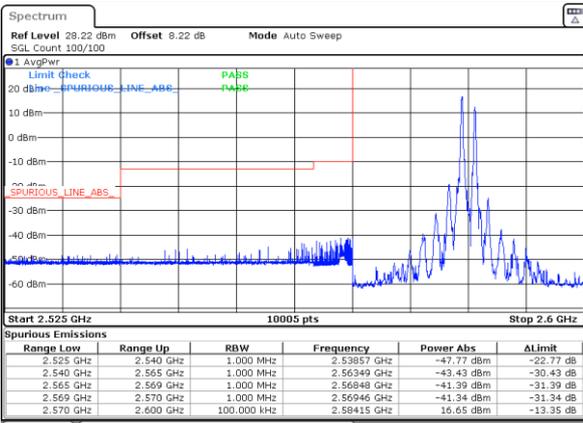
Date: 13,NOV,2022 11:15:56

Highest Band Edge / 1RB0 and 1RB74



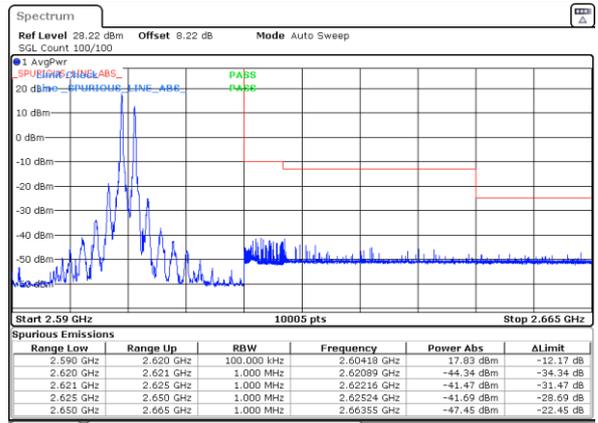
Date: 13,NOV,2022 11:16:02

Lowest Band Edge / 1RB74 and 1RB0



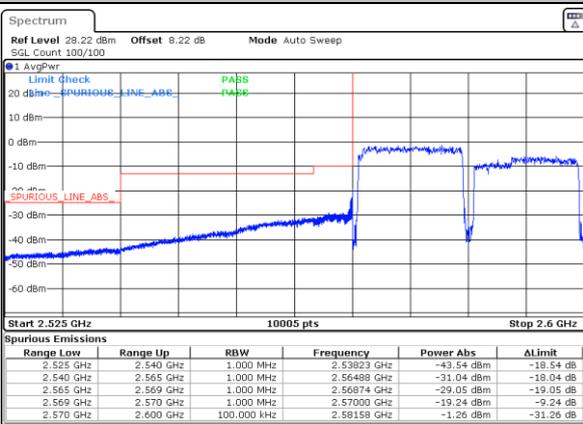
Date: 13,NOV,2022 11:20:29

Highest Band Edge / 1RB74 and 1RB0



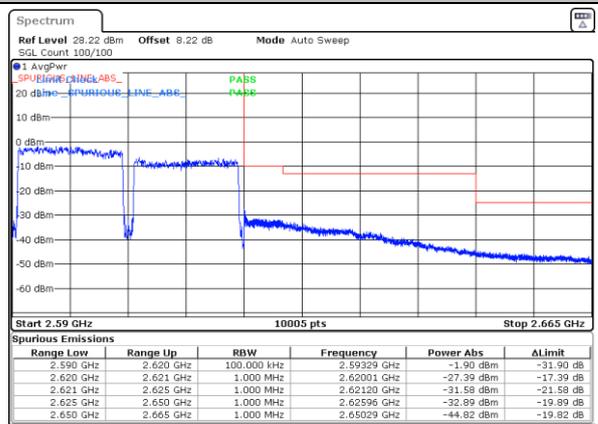
Date: 13,NOV,2022 11:40:32

Lowest Band Edge / Full RB



Date: 13,NOV,2022 11:08:19

Highest Band Edge / Full RB



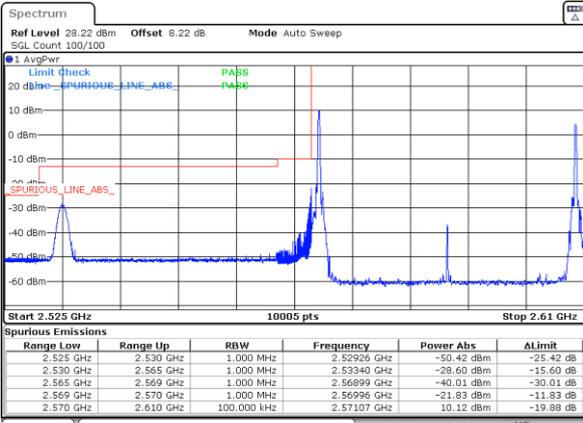
Date: 13,NOV,2022 11:28:33



LTE Band 38C / 20MHz+20MHz

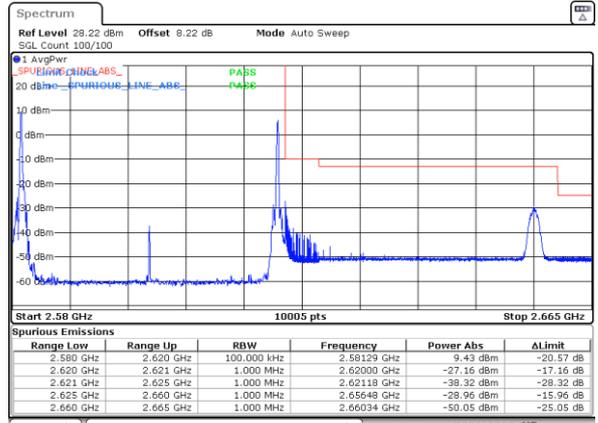
16QAM

Lowest Band Edge / 1RB0 and 1RB9



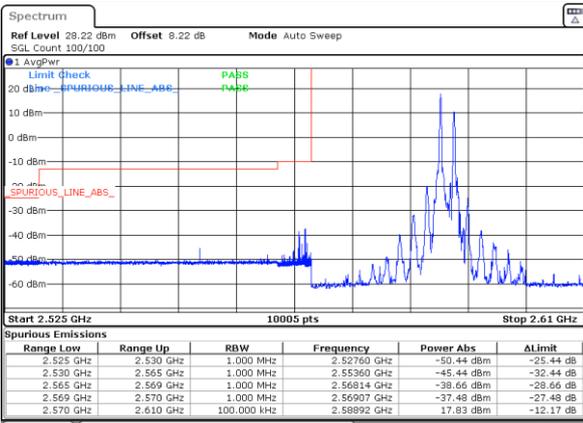
Date: 13,NOV,2022 12:51:49

Highest Band Edge / 1RB0 and 1RB9



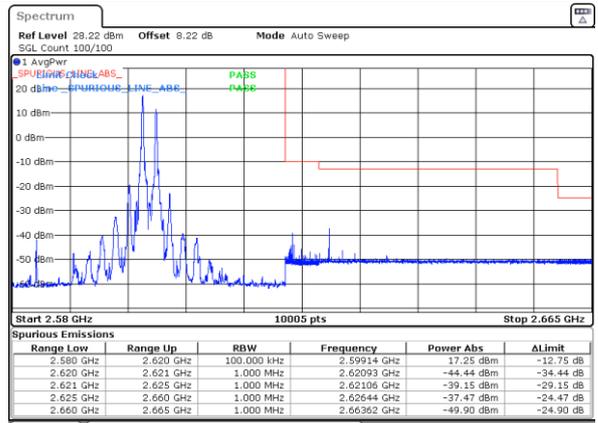
Date: 13,NOV,2022 13:25:40

Lowest Band Edge / 1RB99 and 1RB0



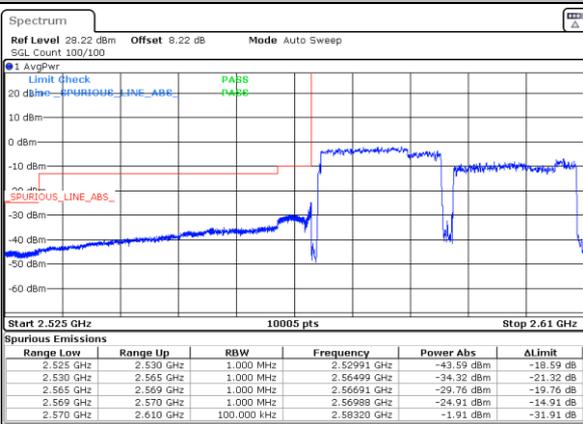
Date: 13,NOV,2022 12:54:52

Highest Band Edge / 1RB99 and 1RB0



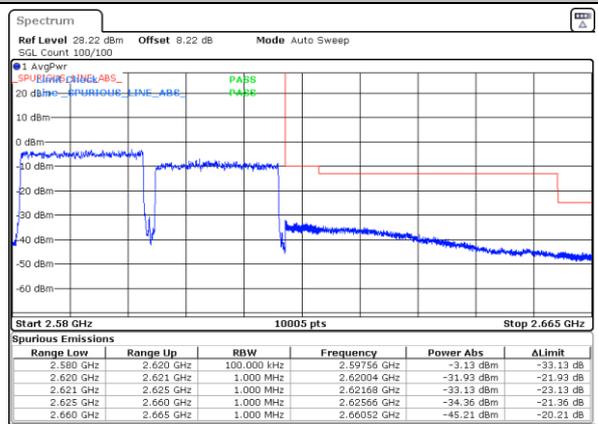
Date: 13,NOV,2022 13:28:39

Lowest Band Edge / Full RB



Date: 13,NOV,2022 12:42:39

Highest Band Edge / Full RB



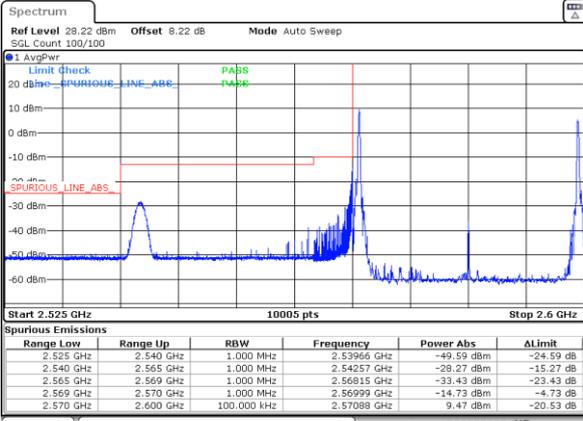
Date: 13,NOV,2022 13:16:42



LTE Band 38C / 15MHz+15MHz

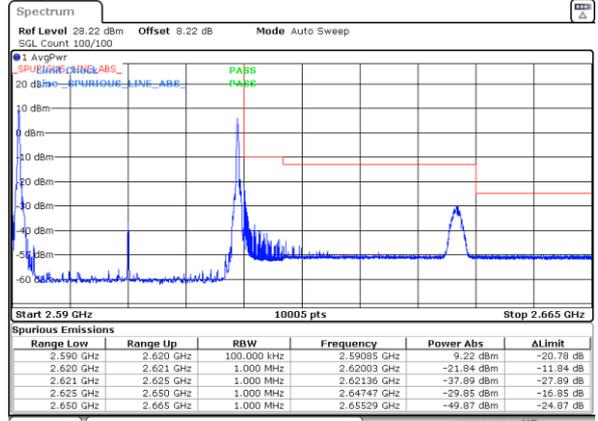
64QAM

Lowest Band Edge / 1RB0 and 1RB74



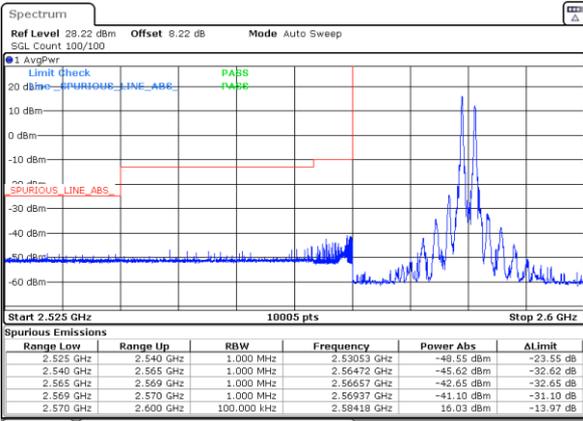
Date: 13,NOV,2022 11:14:25

Highest Band Edge / 1RB0 and 1RB74



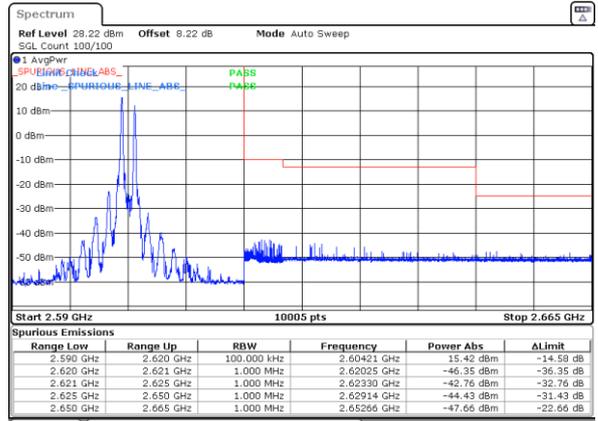
Date: 13,NOV,2022 11:14:32

Lowest Band Edge / 1RB74 and 1RB0



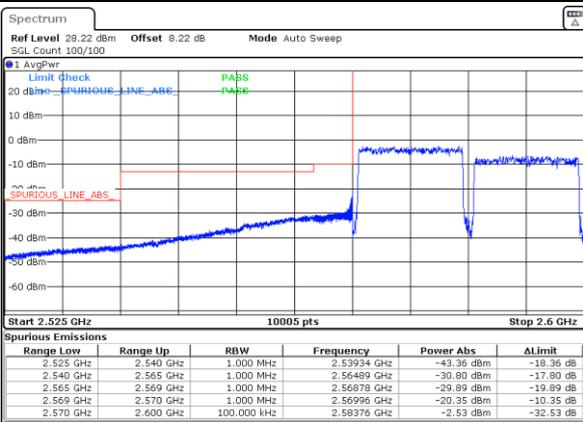
Date: 13,NOV,2022 11:22:00

Highest Band Edge / 1RB74 and 1RB0



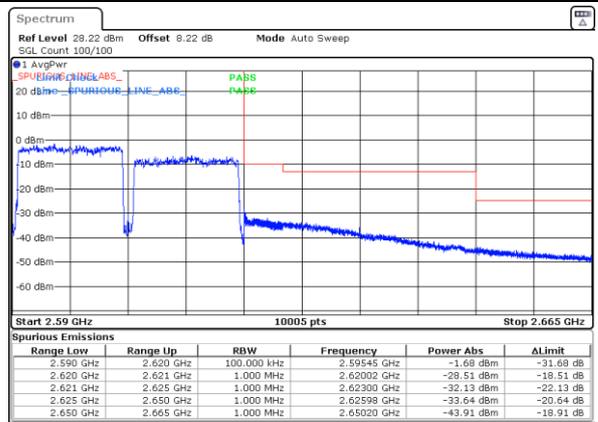
Date: 13,NOV,2022 11:42:02

Lowest Band Edge / Full RB



Date: 13,NOV,2022 11:09:51

Highest Band Edge / Full RB



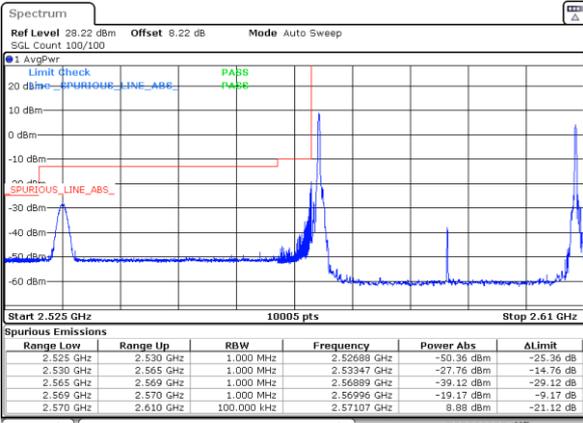
Date: 13,NOV,2022 11:30:03



LTE Band 38C / 20MHz+20MHz

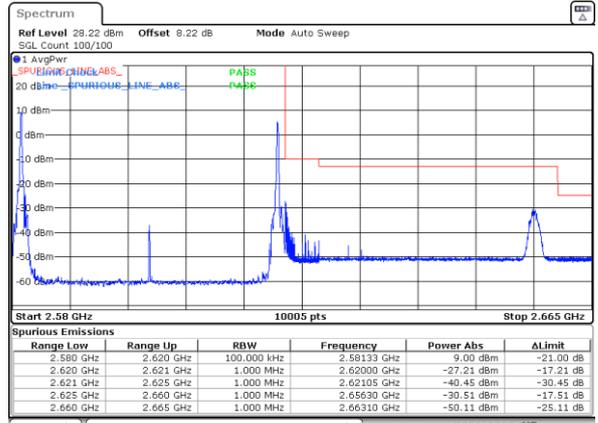
64QAM

Lowest Band Edge / 1RB0 and 1RB9



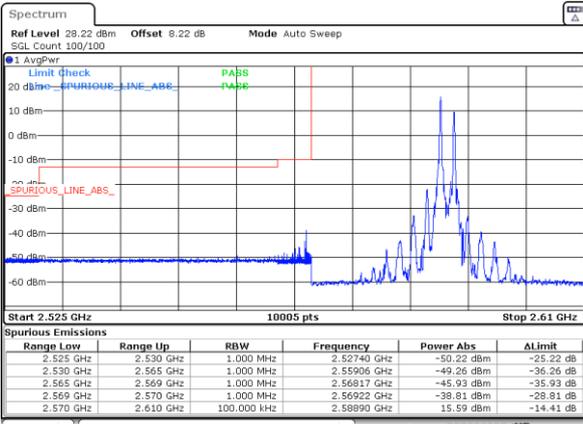
Date: 13,NOV,2022 12:48:46

Highest Band Edge / 1RB0 and 1RB9



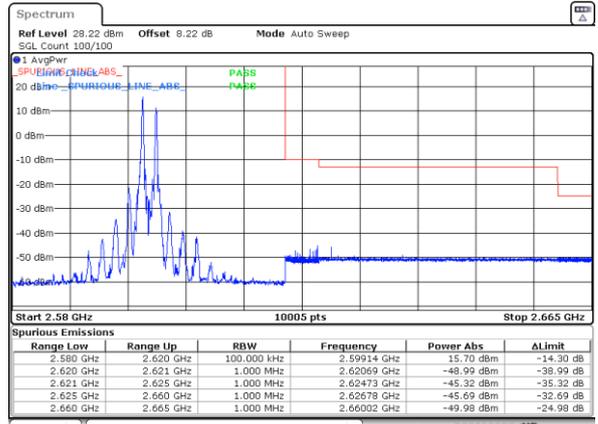
Date: 13,NOV,2022 13:22:40

Lowest Band Edge / 1RB99 and 1RB0



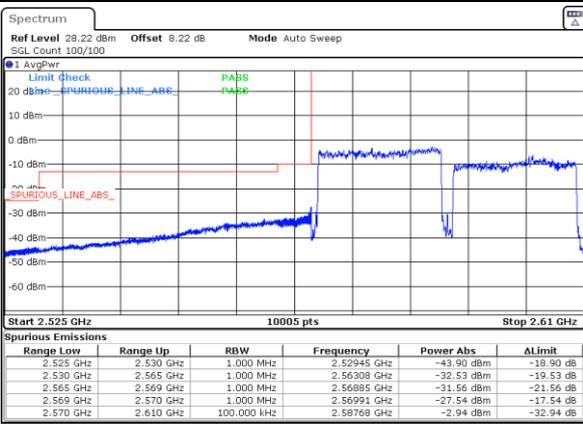
Date: 13,NOV,2022 12:56:24

Highest Band Edge / 1RB99 and 1RB0



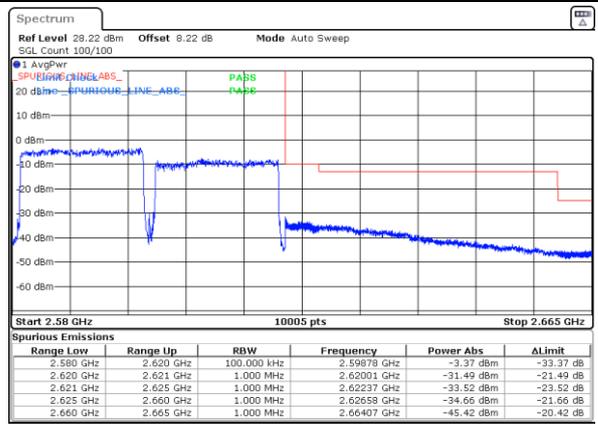
Date: 13,NOV,2022 13:30:09

Lowest Band Edge / Full RB



Date: 13,NOV,2022 12:44:11

Highest Band Edge / Full RB



Date: 13,NOV,2022 13:18:11

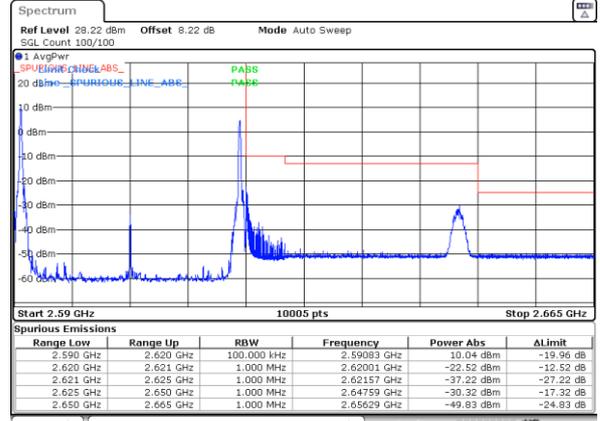
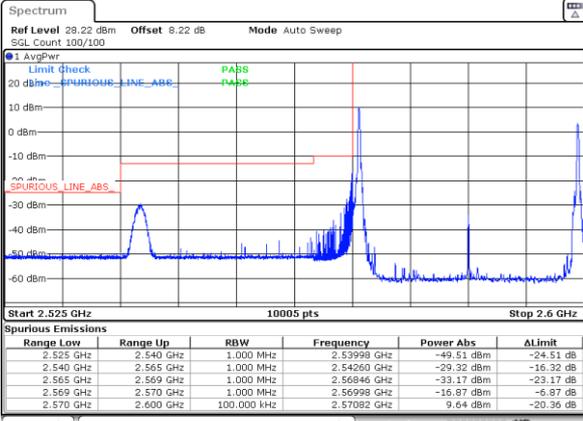


LTE Band 38C / 15MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

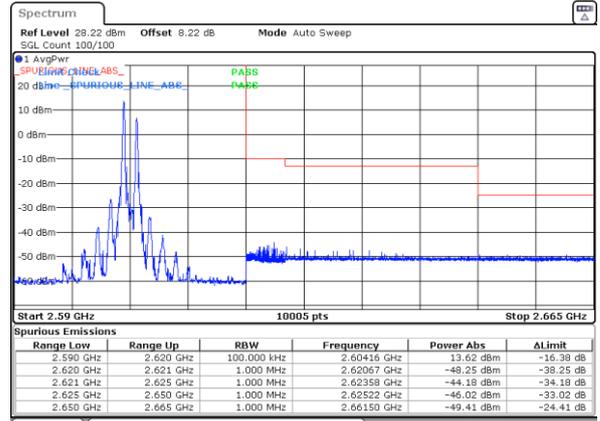
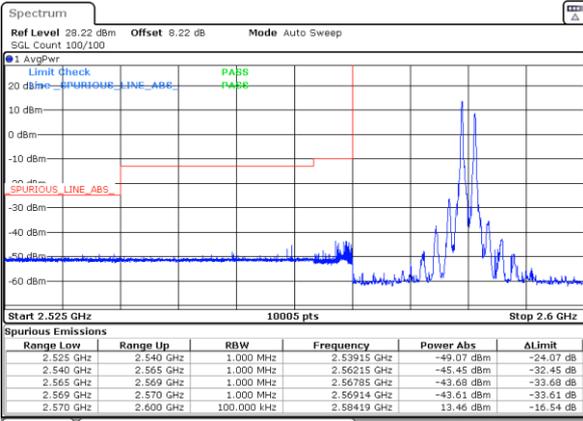


Date: 13.NOV.2022 11:12:54

Date: 13.NOV.2022 11:13:02

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

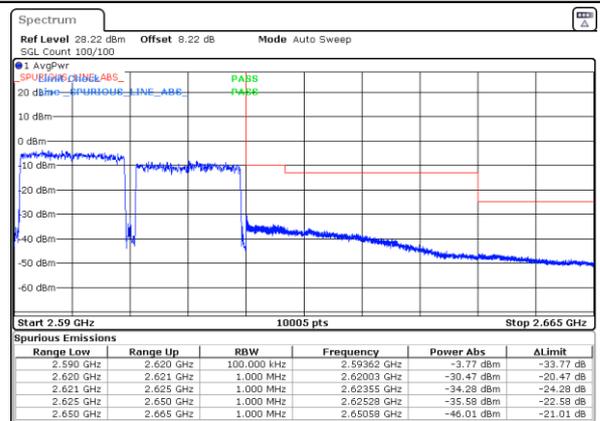
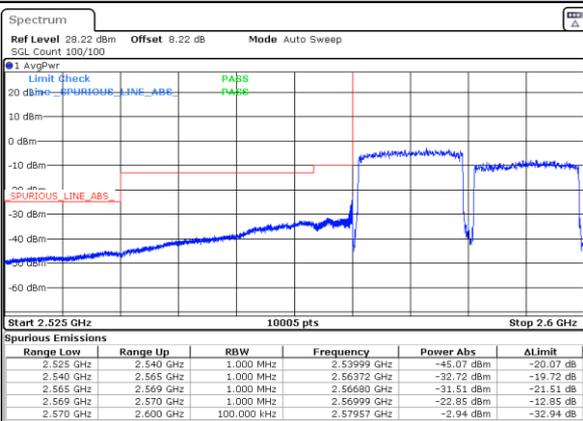


Date: 13.NOV.2022 11:23:31

Date: 13.NOV.2022 11:43:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.NOV.2022 11:11:22

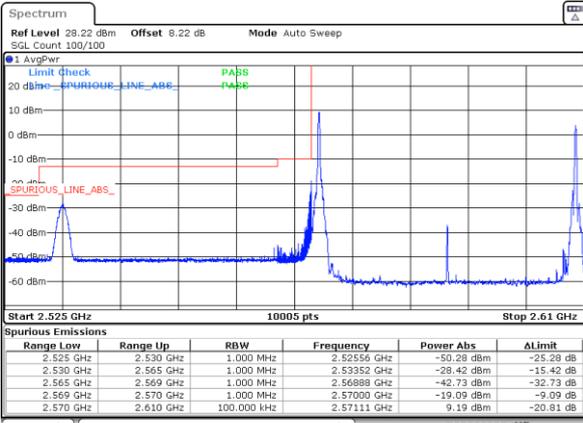
Date: 13.NOV.2022 11:31:33



LTE Band 38C / 20MHz+20MHz

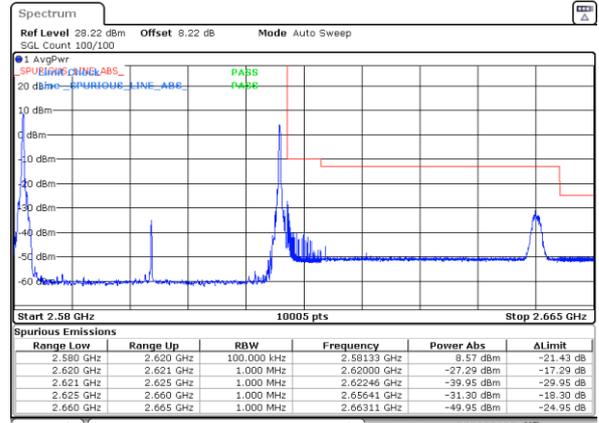
256QAM

Lowest Band Edge / 1RB0 and 1RB9



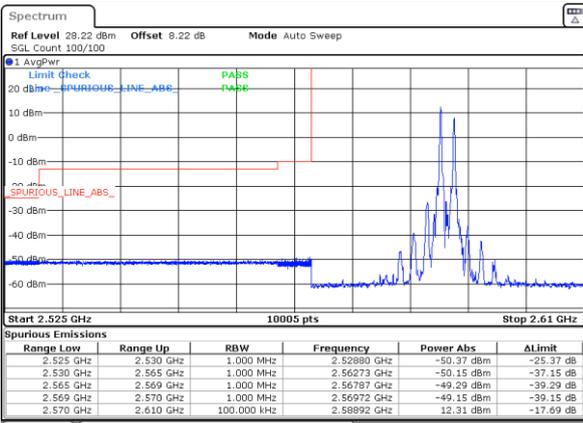
Date: 13.NOV.2022 12:47:14

Highest Band Edge / 1RB0 and 1RB9



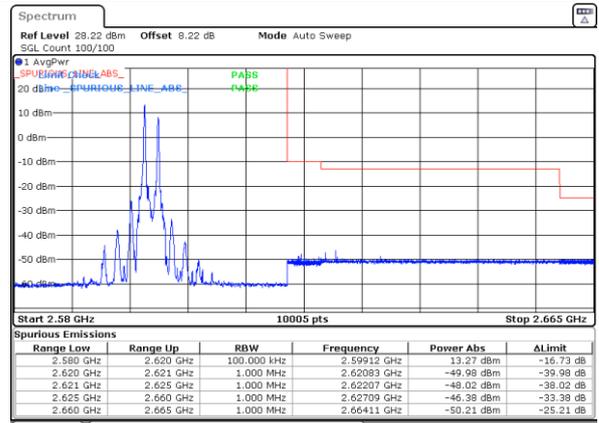
Date: 13.NOV.2022 13:21:11

Lowest Band Edge / 1RB99 and 1RB0



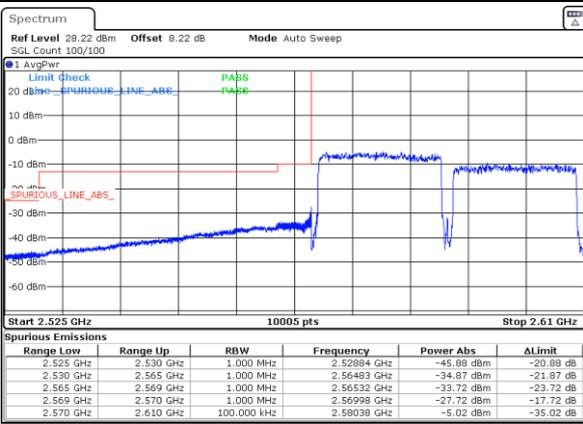
Date: 13.NOV.2022 12:57:55

Highest Band Edge / 1RB99 and 1RB0



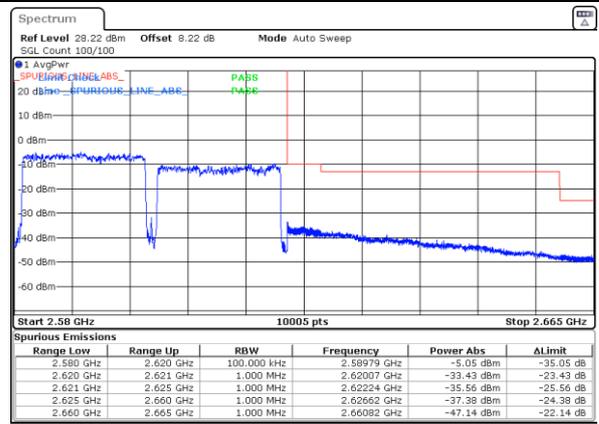
Date: 13.NOV.2022 13:31:39

Lowest Band Edge / Full RB



Date: 13.NOV.2022 12:45:43

Highest Band Edge / Full RB



Date: 13.NOV.2022 13:19:41



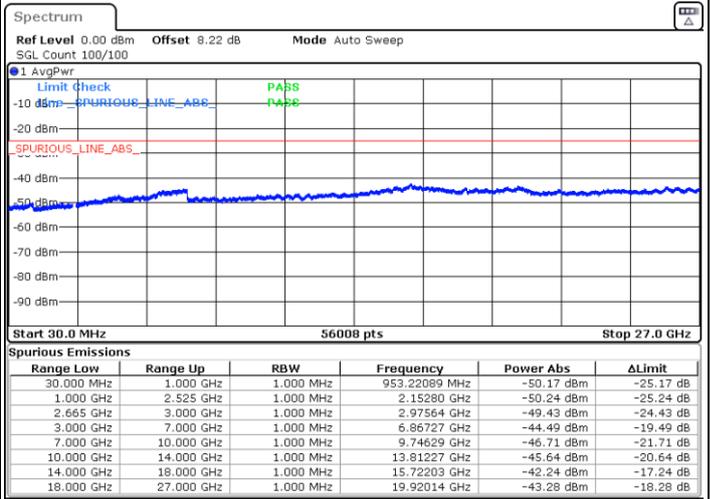
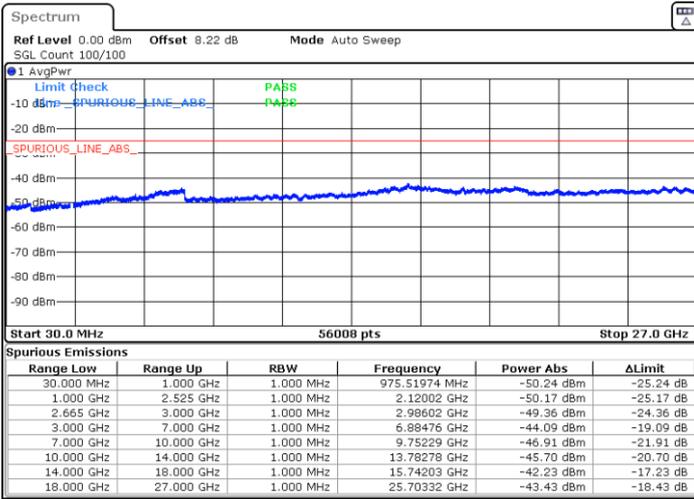
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

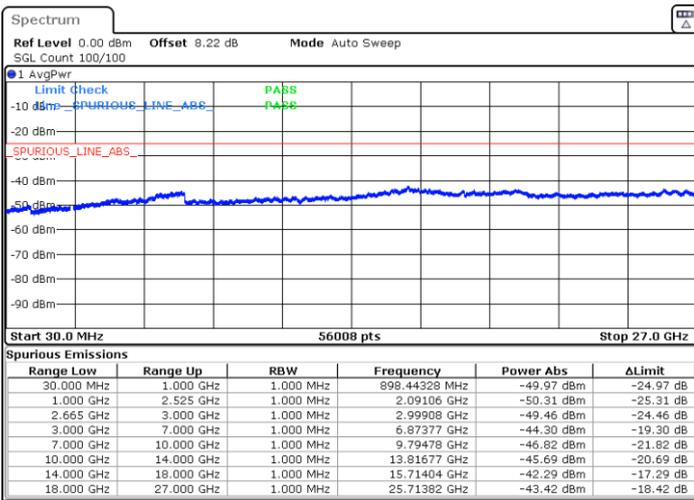


Date: 13.NOV.2022 13:56:42

Date: 13.NOV.2022 13:55:18

Highest Channel / 1RB74 and 1RB0

N/A



Date: 13.NOV.2022 13:59:09

N/A

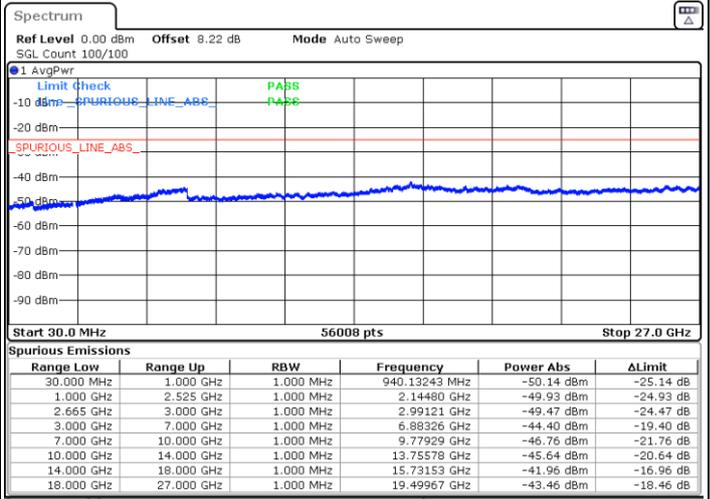
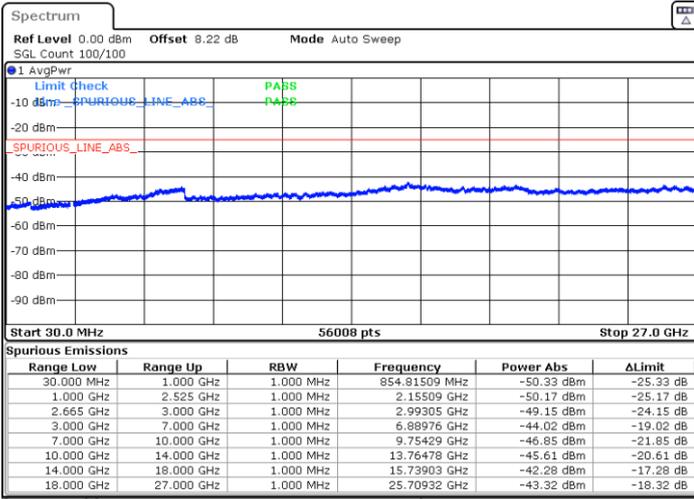


LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

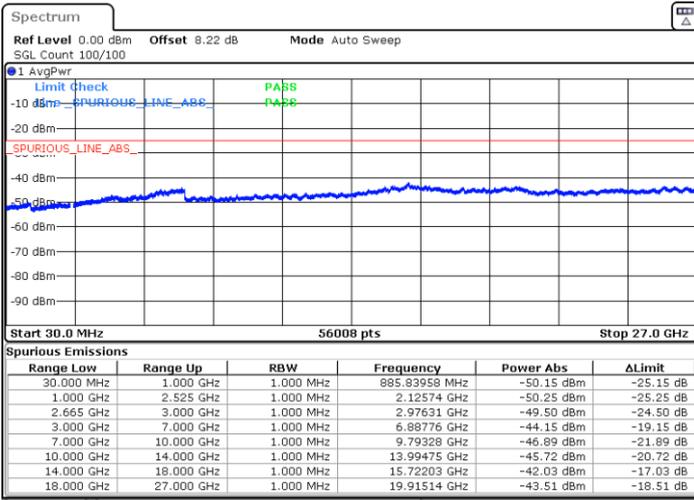


Date: 13.NOV.2022 13:48:29

Date: 13.NOV.2022 13:47:04

Highest Channel / 1RB99 and 1RB0

N/A



Date: 13.NOV.2022 13:45:44

N/A



Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0013	

Note:

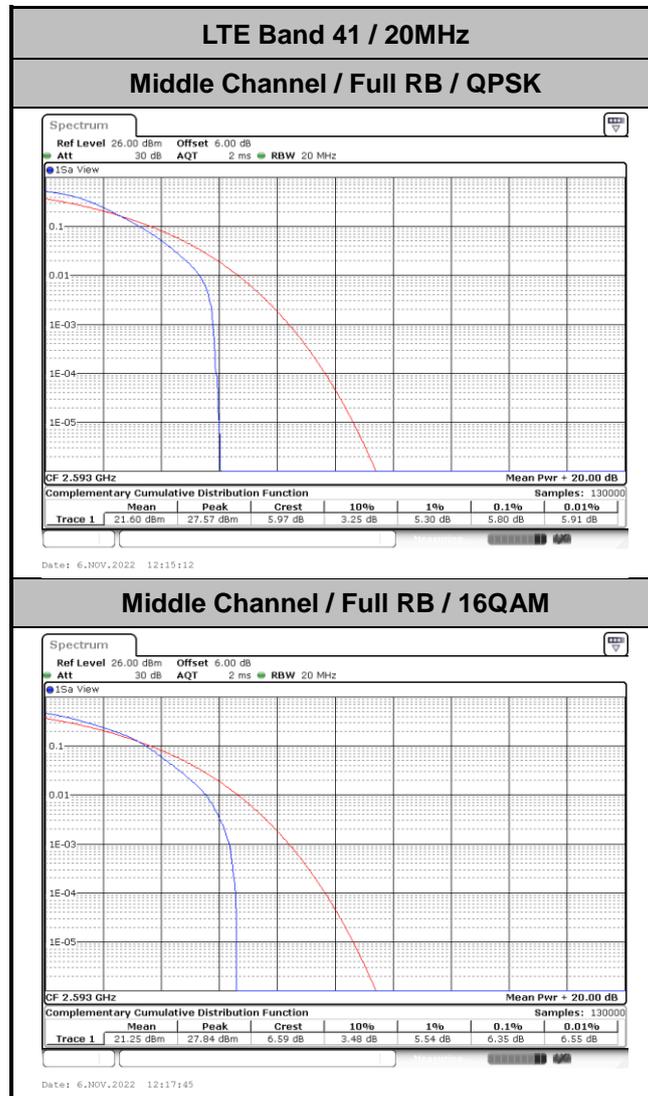
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

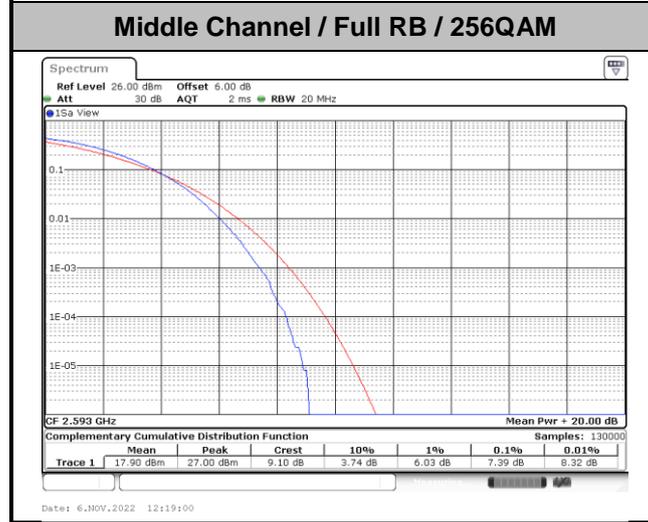
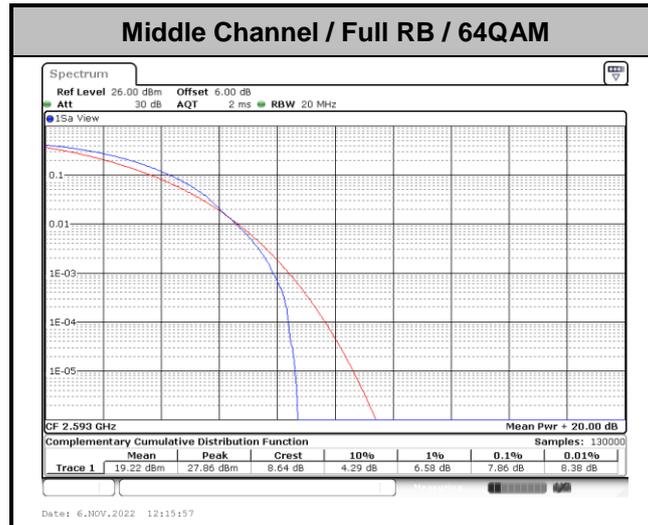


LTE Band 41(Main PA)

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.80	6.35	7.86	7.39	PASS

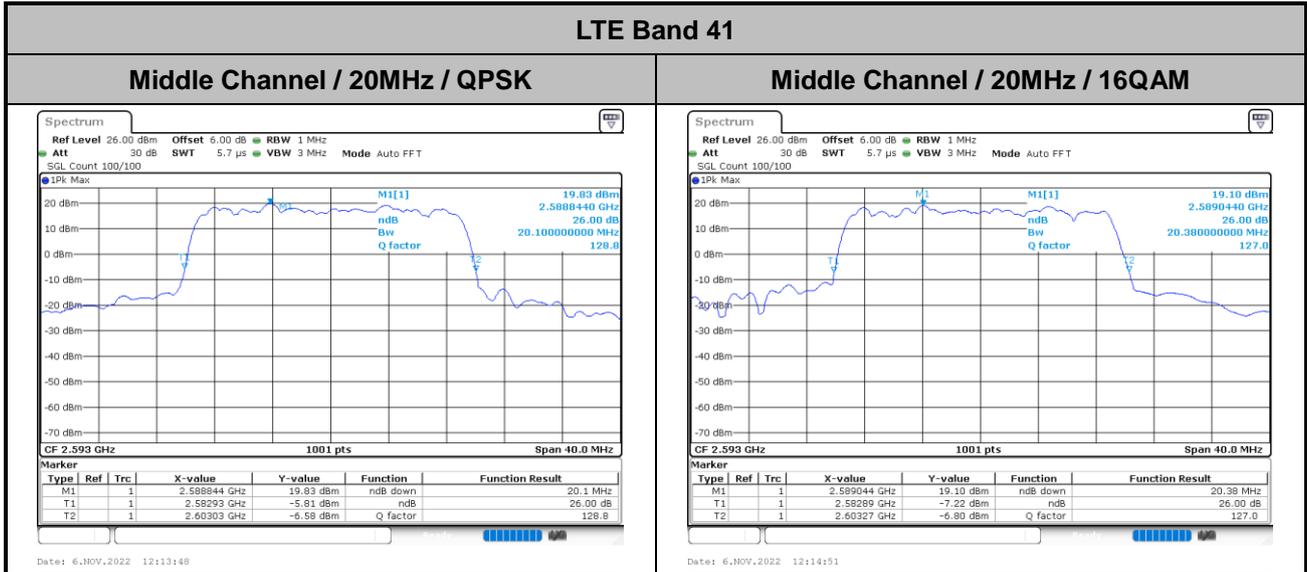






26dB Bandwidth

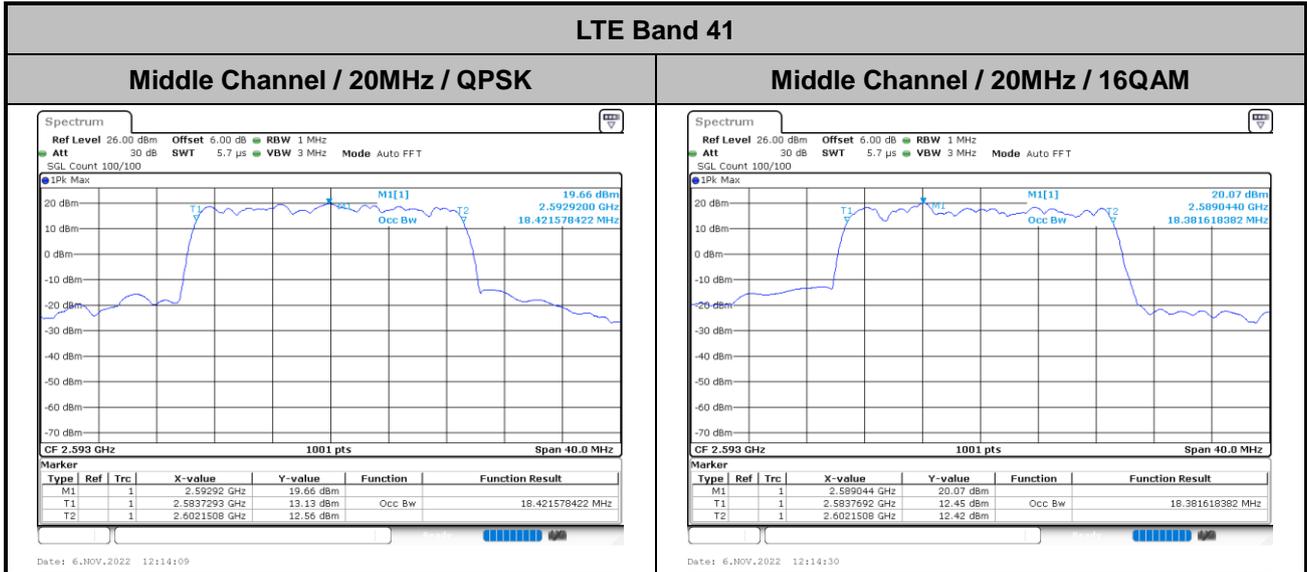
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.10	20.38





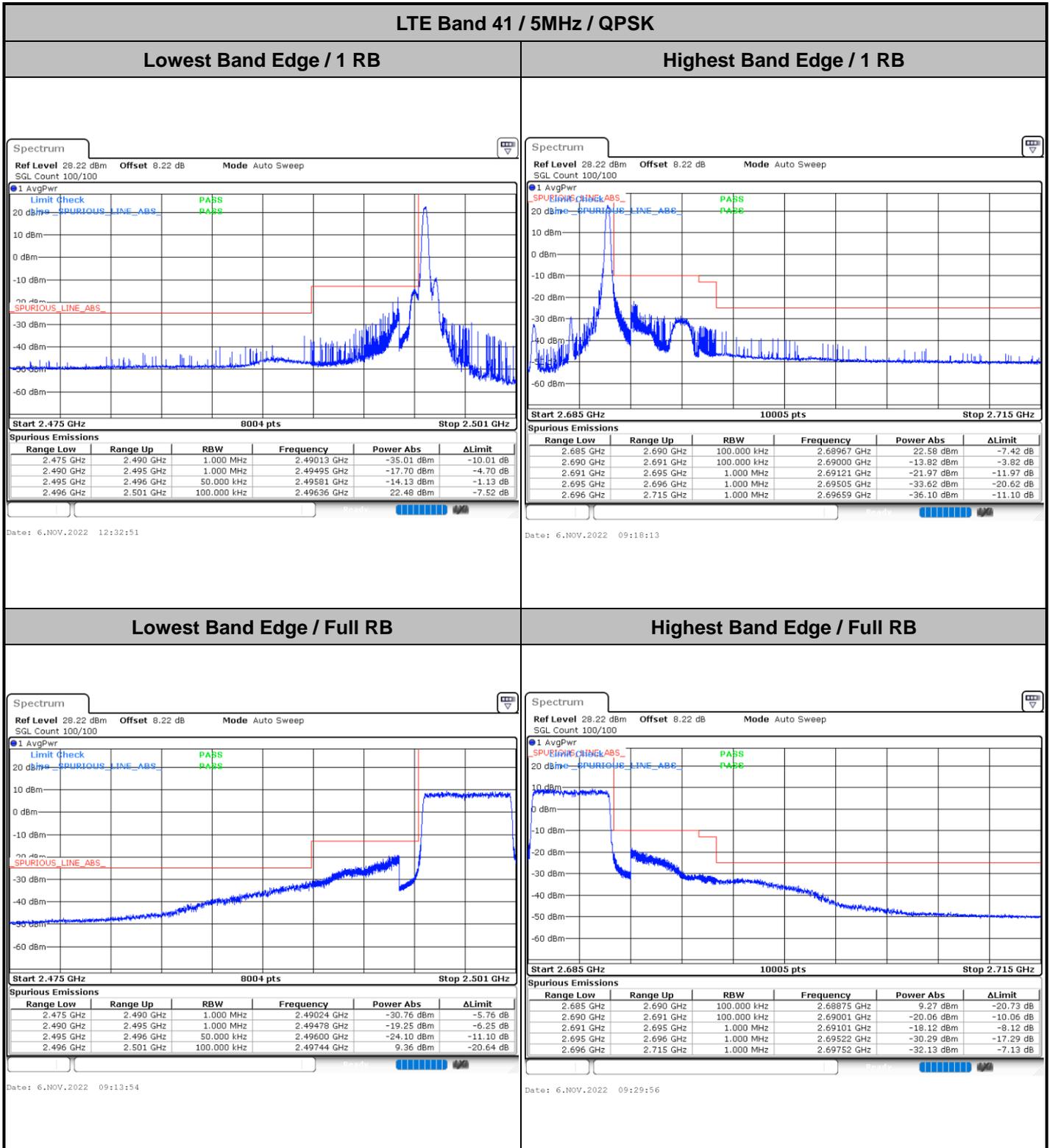
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.42	18.38





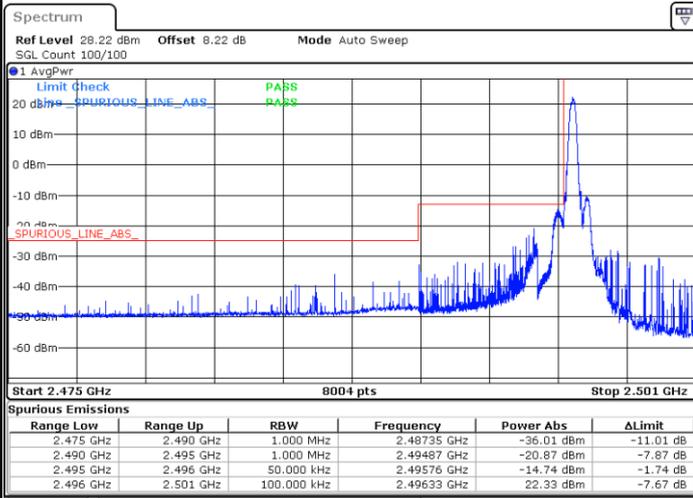
Conducted Band Edge





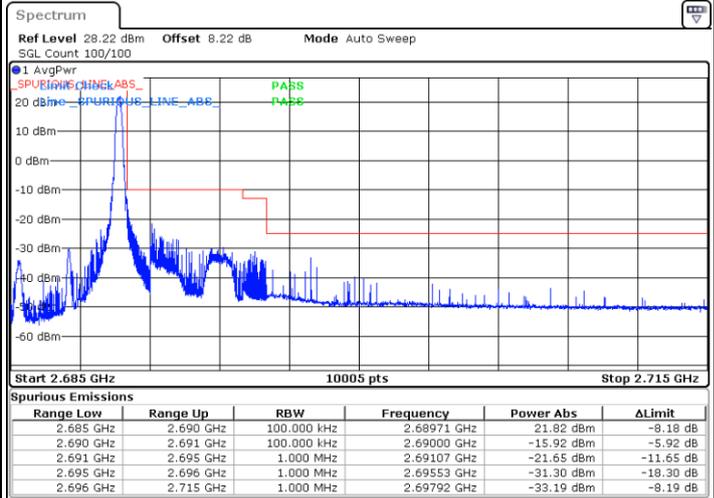
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



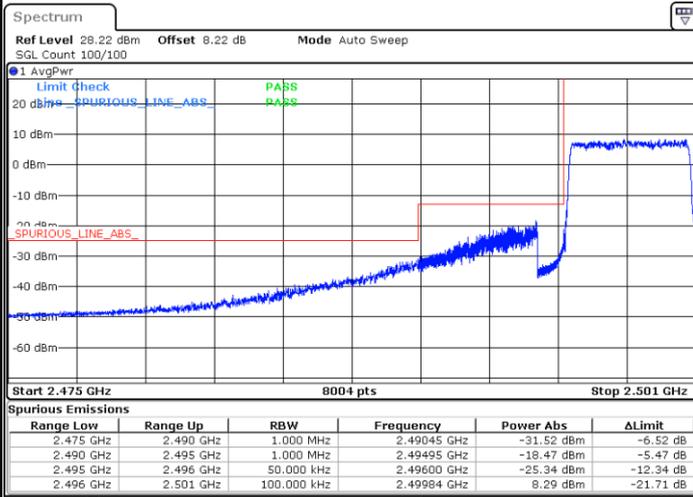
Date: 6.NOV.2022 09:00:04

Highest Band Edge / 1 RB



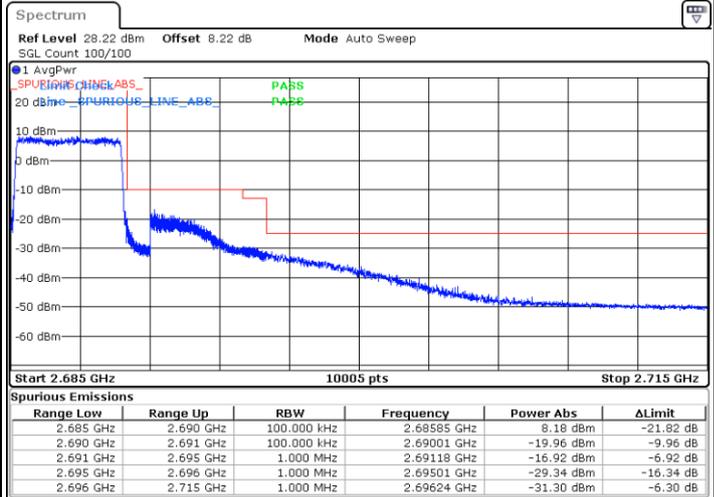
Date: 6.NOV.2022 09:19:53

Lowest Band Edge / Full RB



Date: 6.NOV.2022 09:12:14

Highest Band Edge / Full RB



Date: 6.NOV.2022 09:28:16