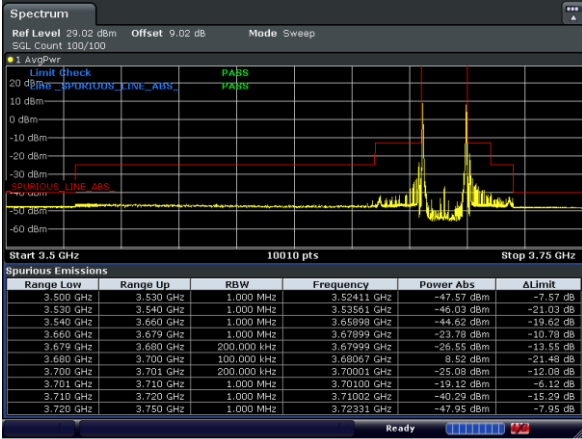




LTE Band 48B / 10MHz+10MHz

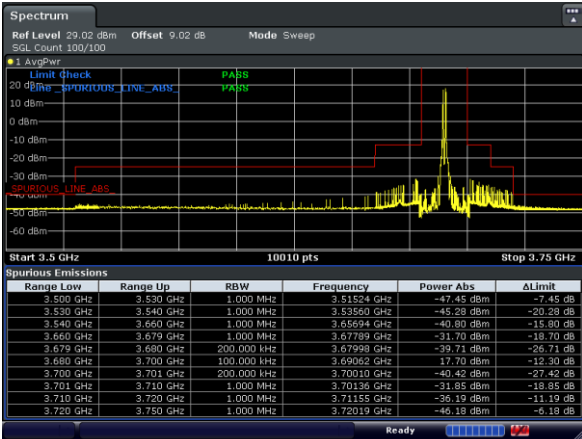
QPSK

Highest Band Edge / 1RB0 and 1RB49



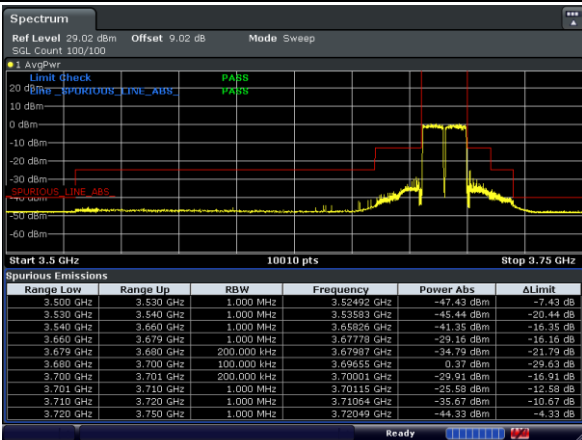
Date: 27_SEP.2023 11:03:10

Highest Band Edge / 1RB49 and 1RB0



Date: 27_SEP.2023 11:02:08

Highest Band Edge / Full RB



Date: 27_SEP.2023 10:52:57

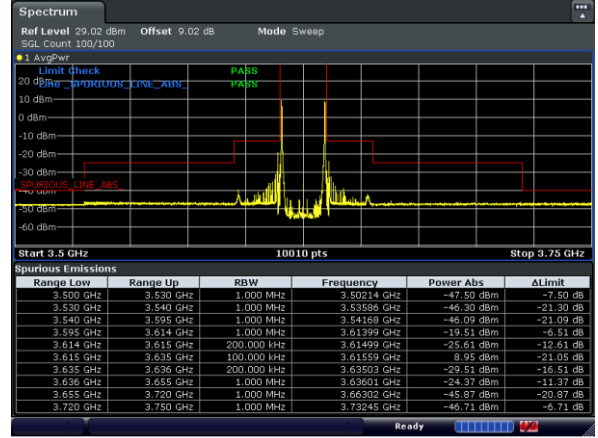
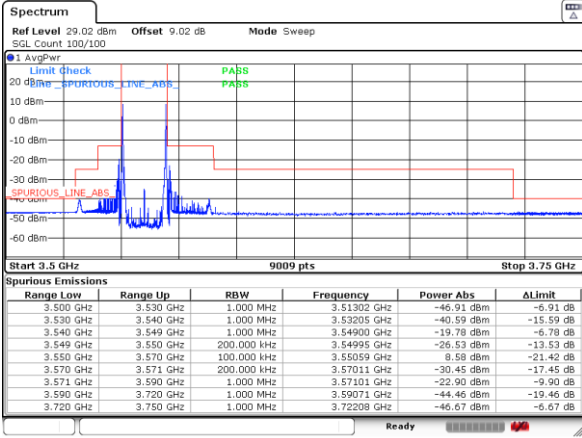


LTE Band 48B / 10MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

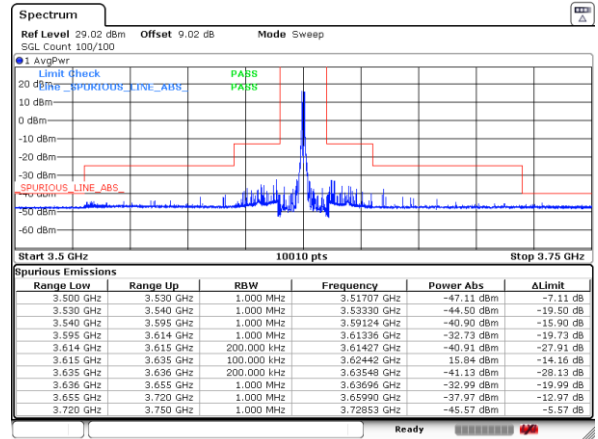
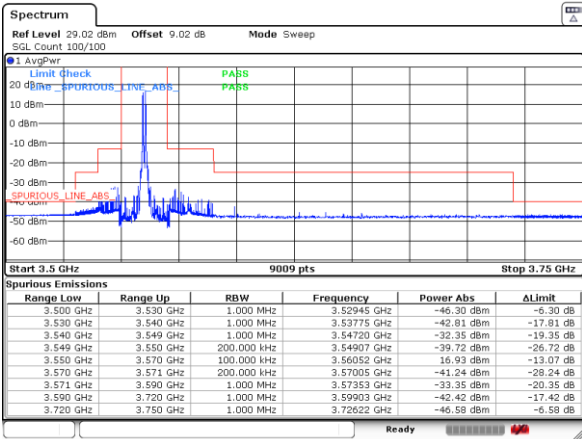


Date: 27_SEP_2023 10:10:45

Date: 27_SEP_2023 10:44:34

Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB9 and 1RB0

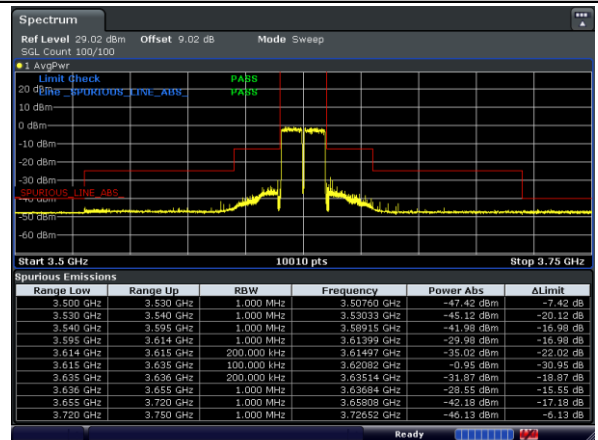
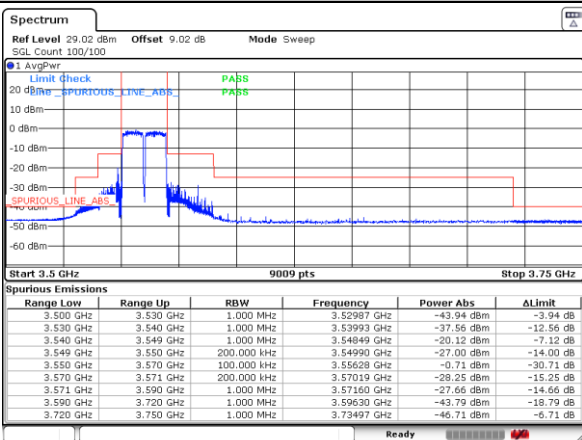


Date: 27_SEP_2023 10:18:04

Date: 27_SEP_2023 10:41:10

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 27_SEP_2023 10:05:15

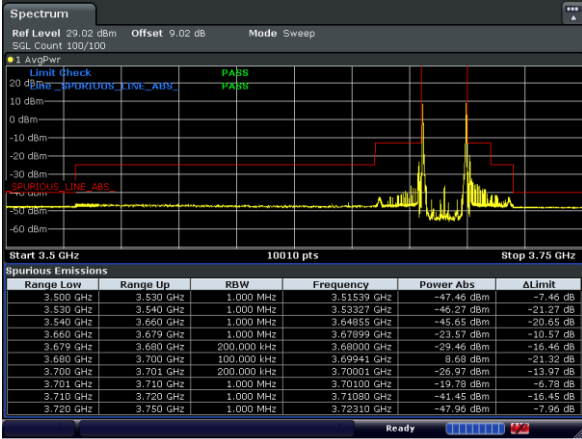
Date: 27_SEP_2023 10:47:40



LTE Band 48B / 10MHz+10MHz

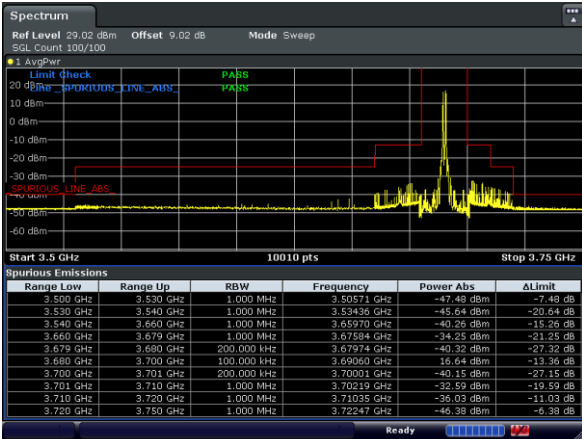
16QAM

Highest Band Edge / 1RB0 and 1RB49



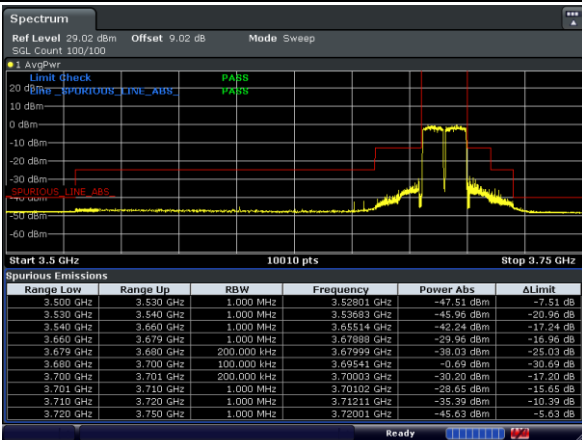
Date: 27_SEP.2023 11:04:15

Highest Band Edge / 1RB49 and 1RB0



Date: 27_SEP.2023 11:01:52

Highest Band Edge / Full RB



Date: 27_SEP.2023 10:55:16

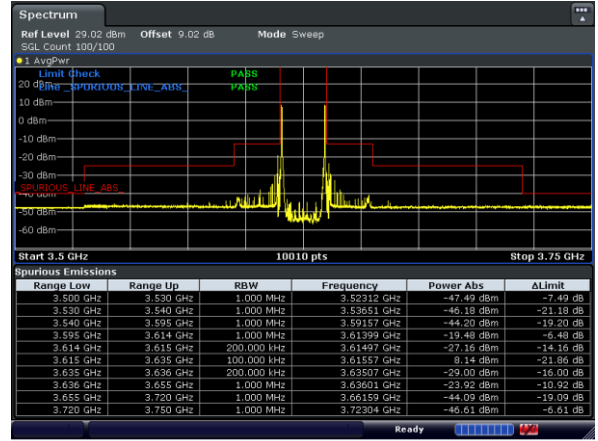
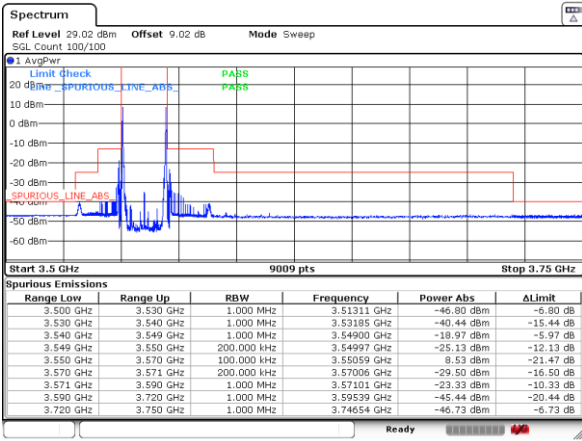


LTE Band 48B/ 10MHz+10MHz

64QAM

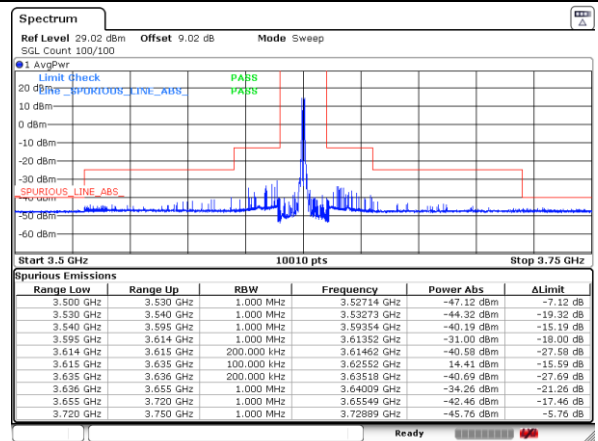
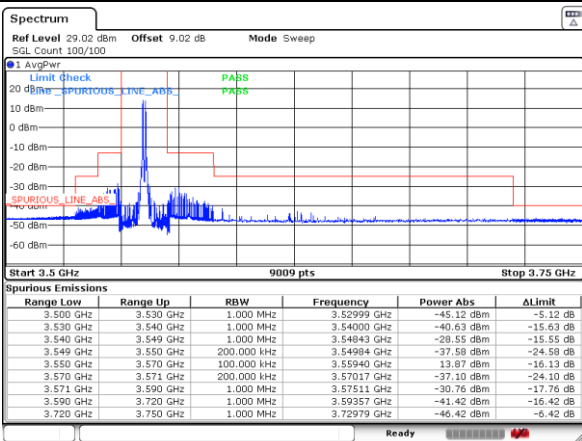
Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49



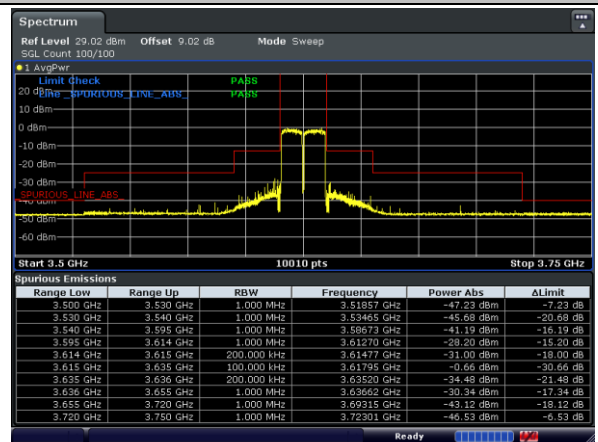
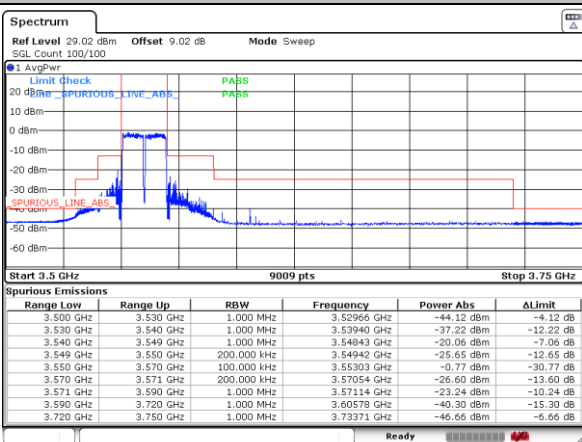
Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB

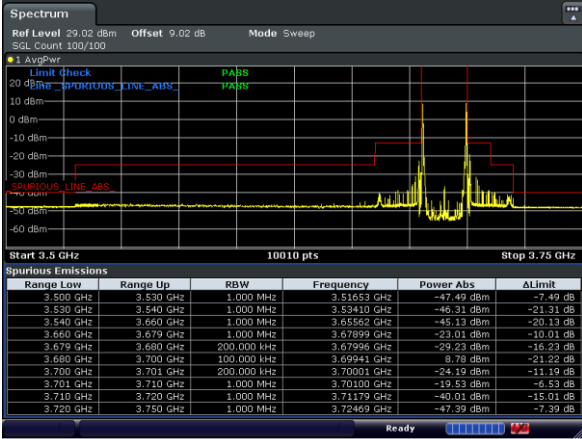




LTE Band 48B / 10MHz+10MHz

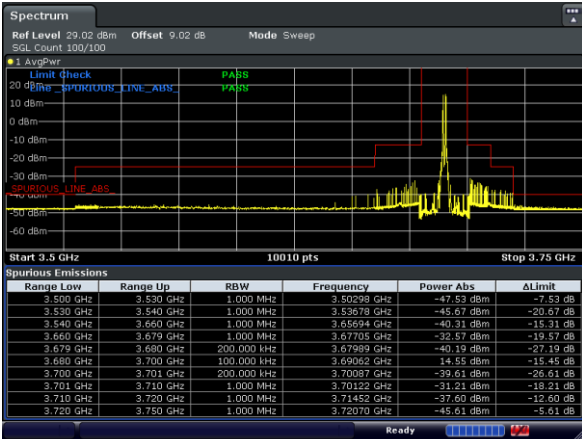
64QAM

Highest Band Edge / 1RB0 and 1RB49



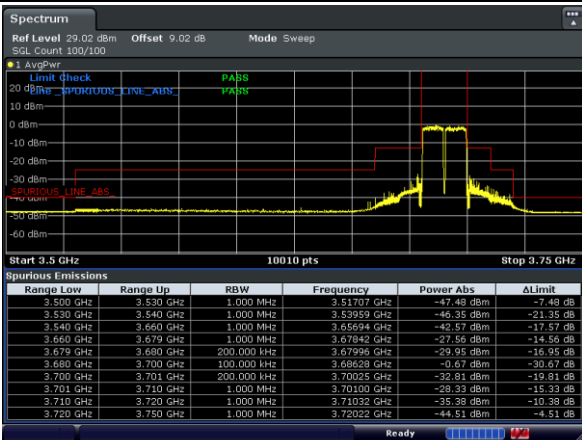
Date: 27_SEP_2023 11:06:06

Highest Band Edge / 1RB49 and 1RB0



Date: 27_SEP_2023 10:09:41

Highest Band Edge / Full RB



Date: 27_SEP_2023 10:07:53



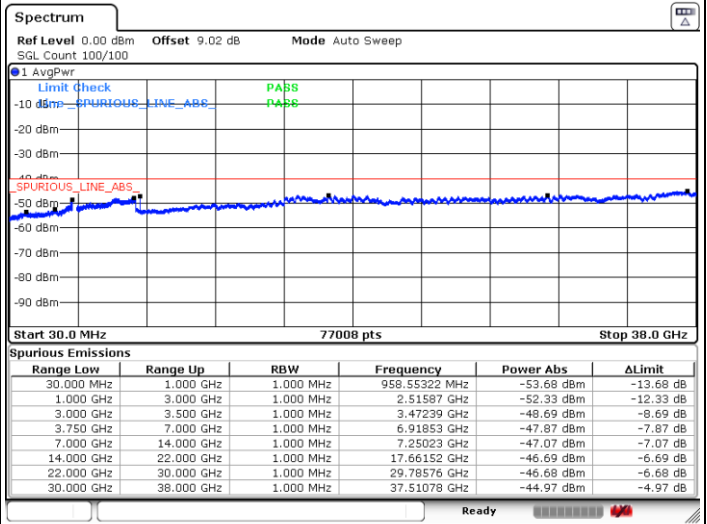
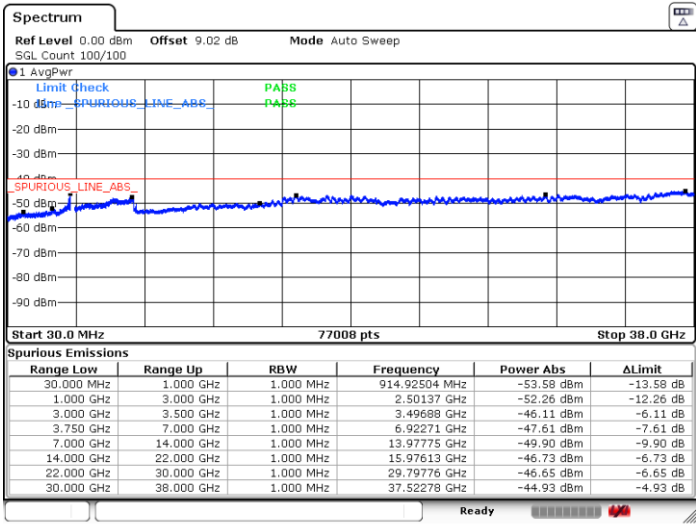
Conducted Spurious Emission

LTE Band 48B / 10MHz+10MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

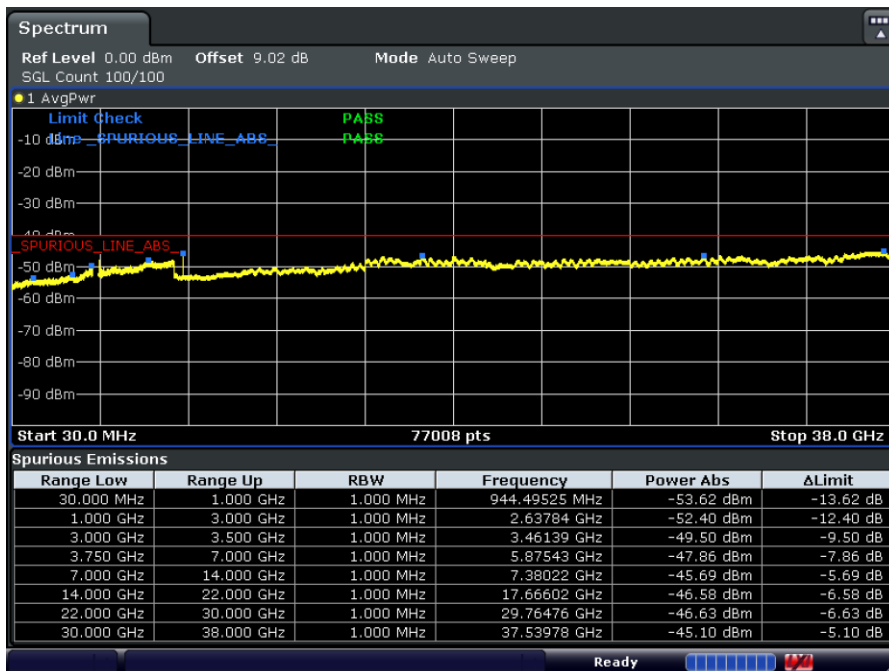
Middle Channel / 1RB49 and 1RB0



Date: 27.SEP.2023 10:23:54

Date: 27.SEP.2023 10:29:13

Highest Channel / 1RB99 and 1RB0



Date: 27.SEP.2023 11:09:59



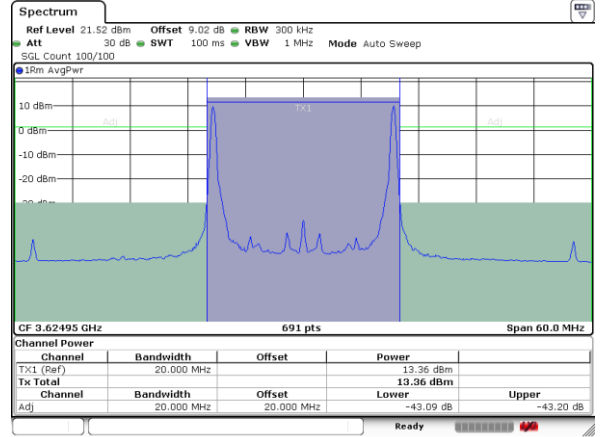
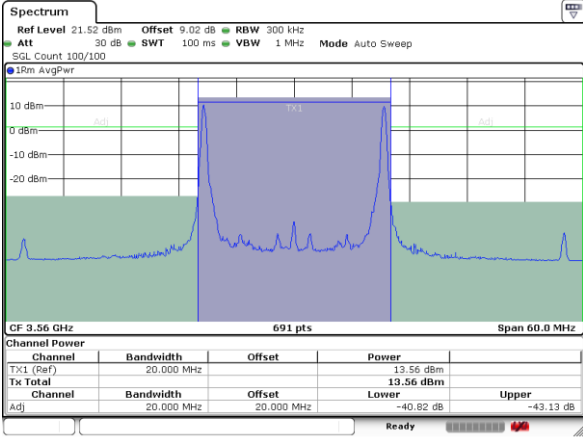
ACLR

LTE Band 48B / 10MHz+10MHz

QPSK

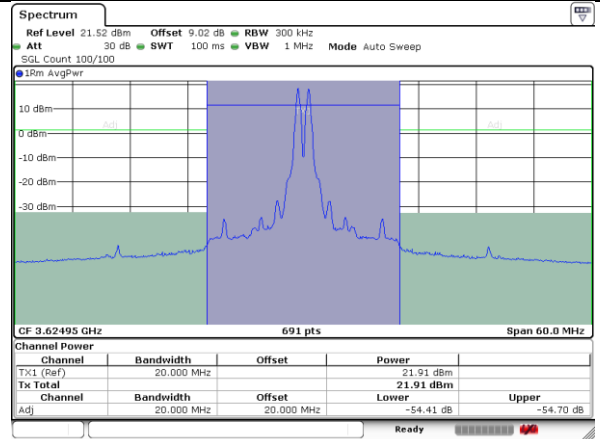
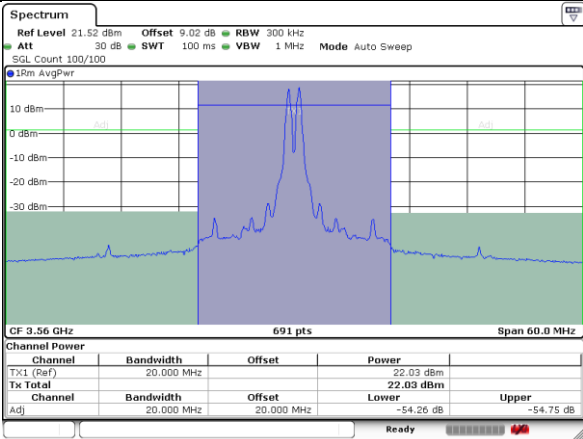
Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49



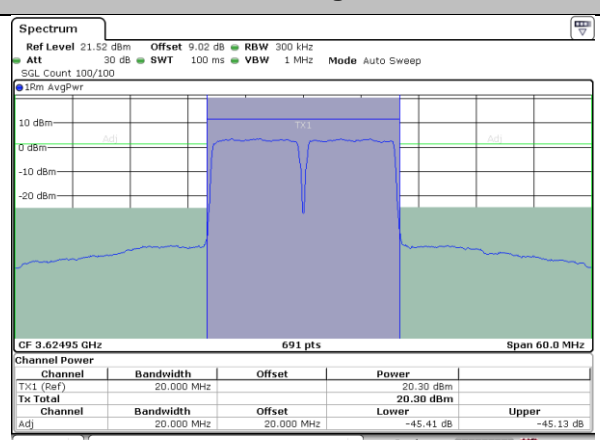
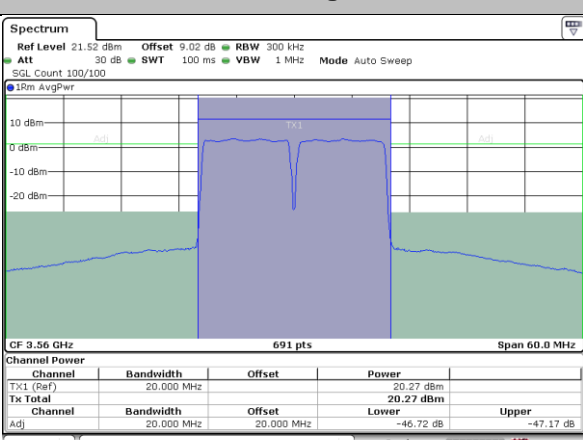
Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



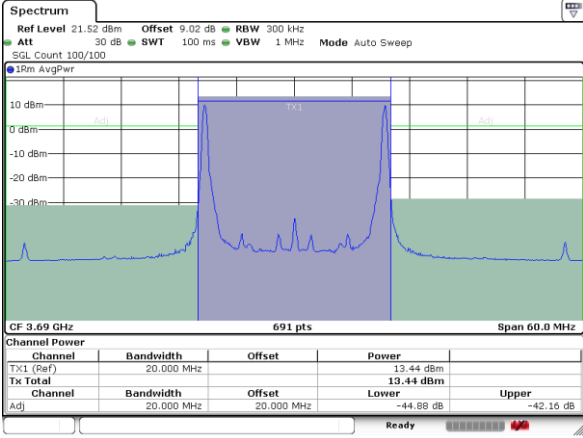


LTE Band 48B / 10MHz+10MHz

QPSK

Highest Band Edge / 1RB0 and 1RB49

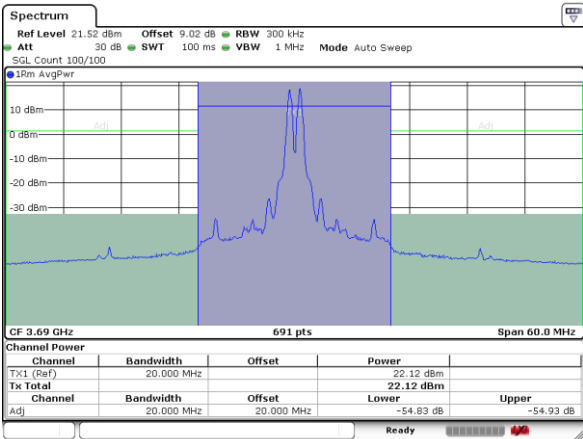
N/A



Date: 7.OCT.2023 14:57:59

Highest Band Edge / 1RB49 and 1RB0

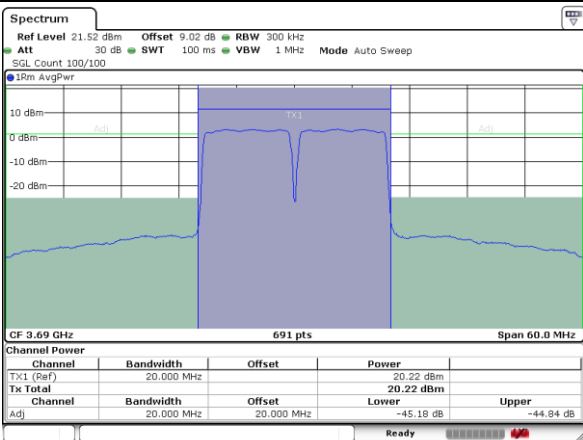
N/A



Date: 7.OCT.2023 15:06:22

Highest Band Edge / Full RB

N/A



Date: 7.OCT.2023 15:07:48

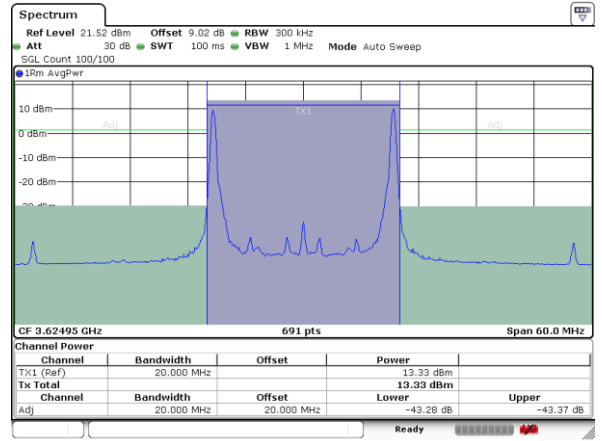
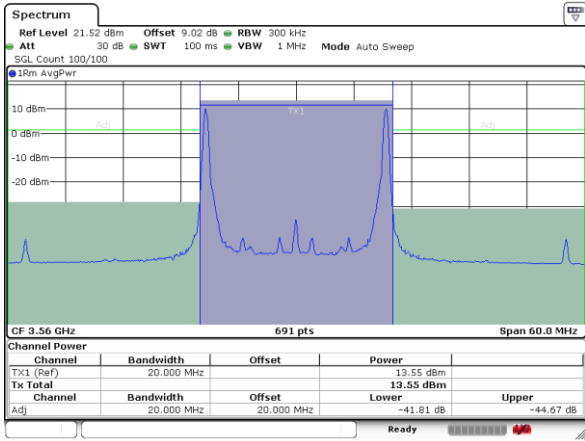


LTE Band 48B/ 10MHz+10MHz

16QAM

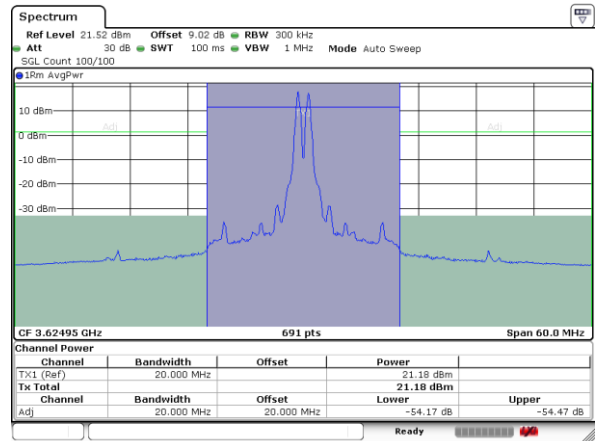
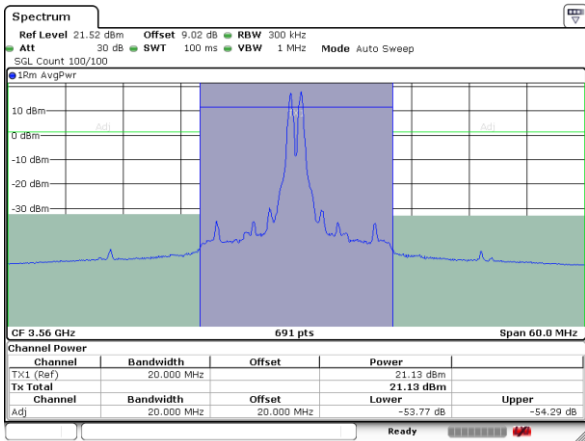
Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49



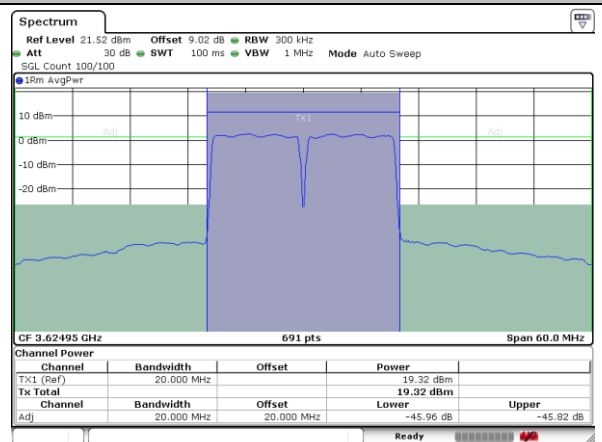
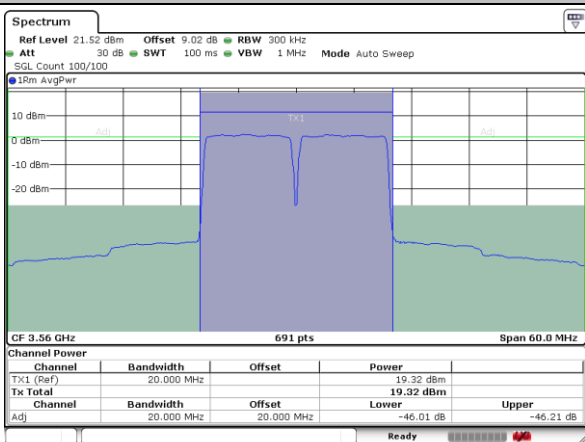
Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



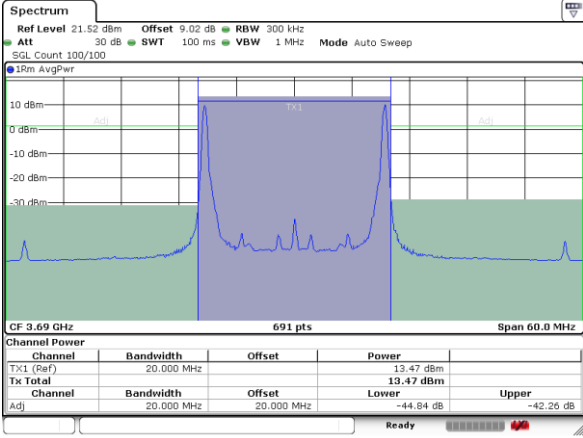


LTE Band 48B / 10MHz+10MHz

16QAM

Highest Band Edge / 1RB0 and 1RB49

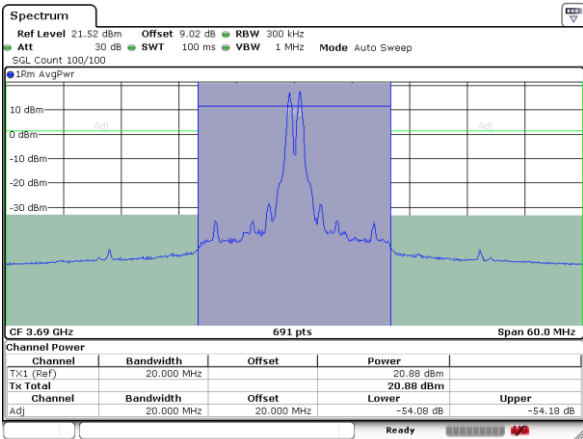
N/A



Date: 7.OCT.2023 14:58:32

Highest Band Edge / 1RB49 and 1RB0

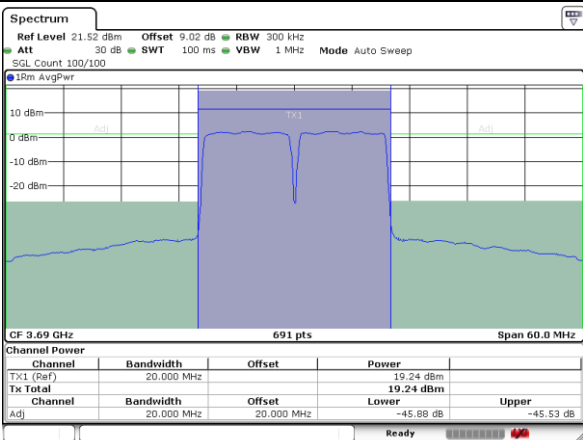
N/A



Date: 7.OCT.2023 15:05:36

Highest Band Edge / Full RB

N/A



Date: 7.OCT.2023 15:11:51

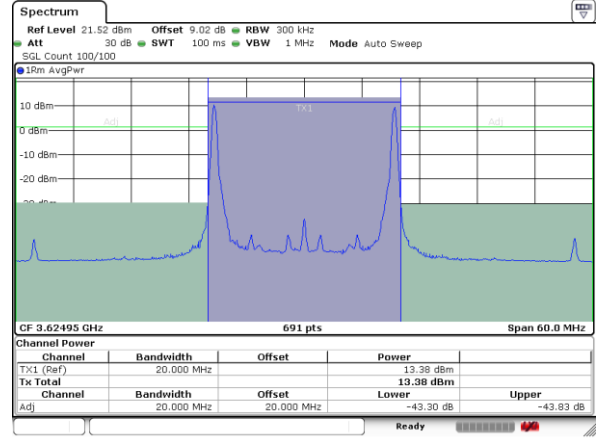
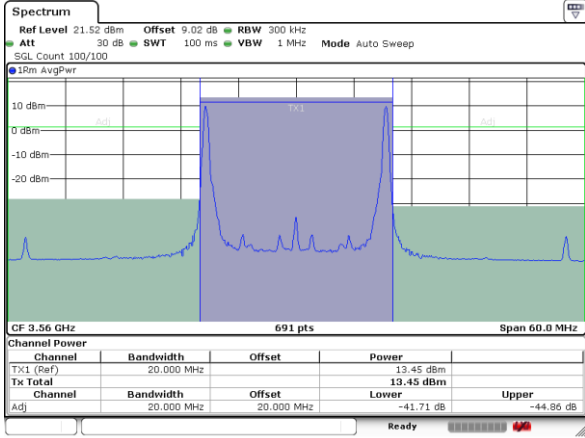


LTE Band 48B / 10MHz+10MHz

64QAM

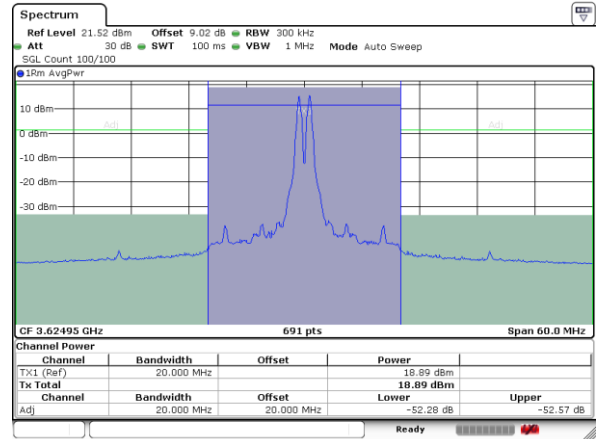
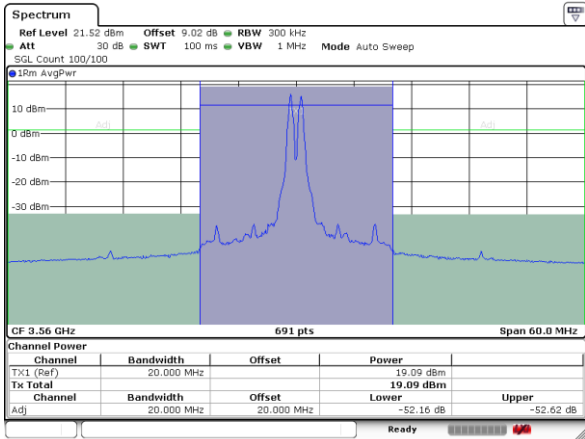
Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49



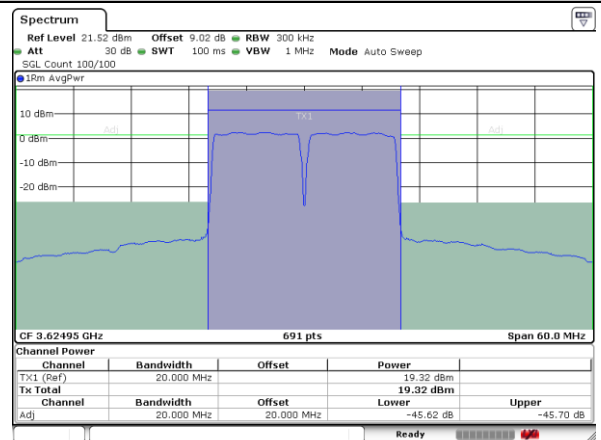
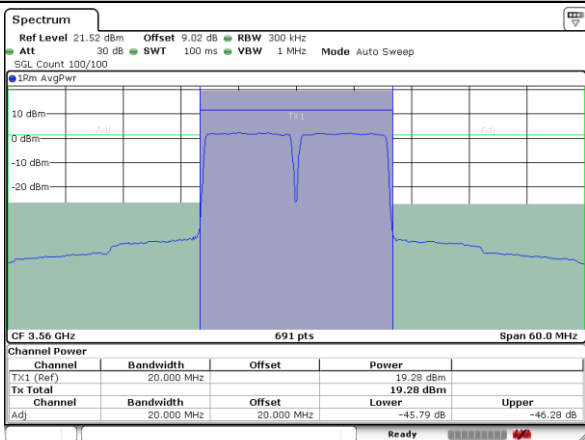
Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



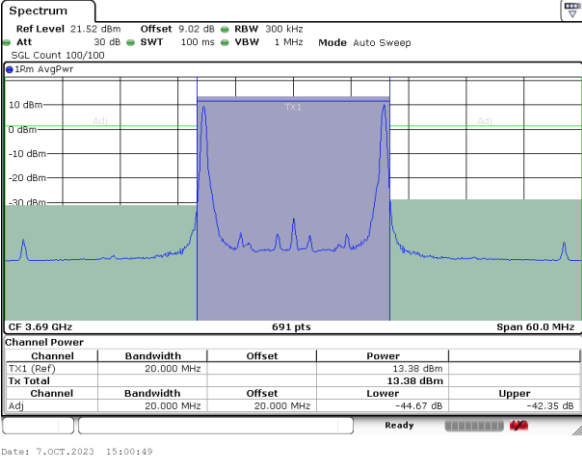


LTE Band 48B / 10MHz+10MHz

64QAM

Highest Band Edge / 1RB0 and 1RB49

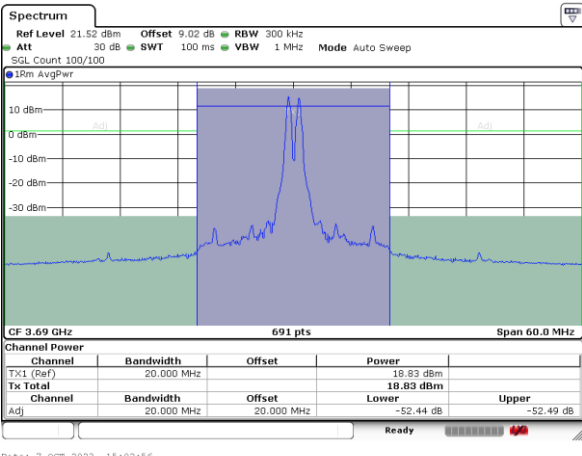
N/A



Date: 7.OCT.2023 15:00:49

Highest Band Edge / 1RB49 and 1RB0

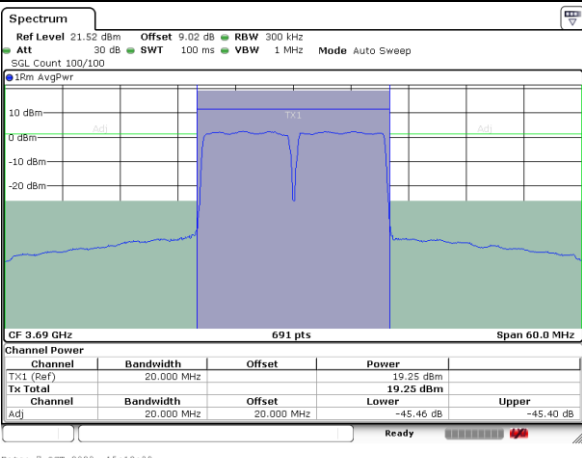
N/A



Date: 7.OCT.2023 15:02:56

Highest Band Edge / Full RB

N/A



Date: 7.OCT.2023 15:12:39



Frequency Stability

Test Conditions		LTE Band 48B (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10+10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0018	
20	Minimum Voltage	0.0026	

Note:

1. Normal Voltage =3.91 V. ; Minimum Voltage =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48C

26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	24.88	24.83
Mode	LTE Band 48C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	29.85	29.85
Mode	LTE Band 48C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	34.83	34.83
Mode	LTE Band 48C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.88	39.88
Mode	LTE Band 48C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	24.88	24.88
Mode	LTE Band 48C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	30.15	29.97
Mode	LTE Band 48C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	34.97	34.83



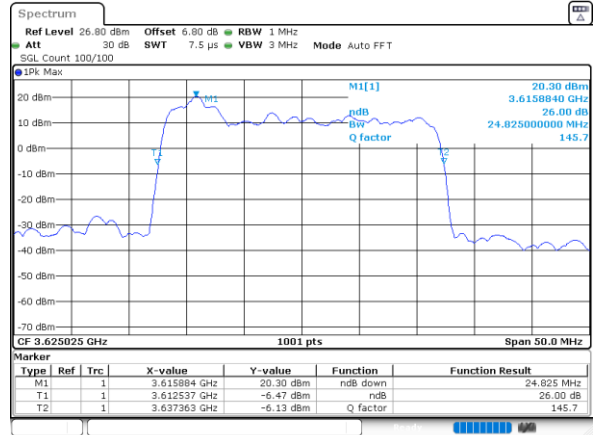
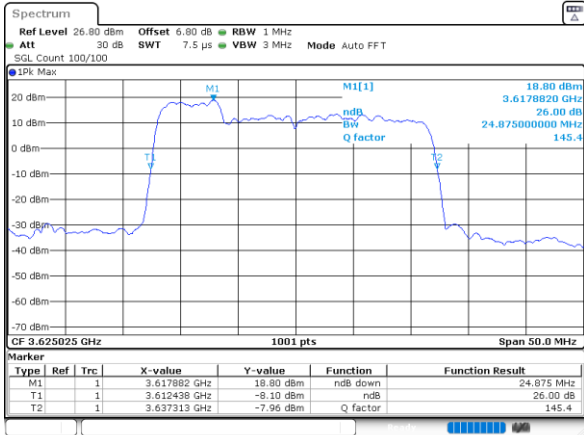
LTE Band 48C

QPSK

16QAM

Middle Channel / 5MHz+20MHz

Middle Channel / 5MHz+20MHz



Date: 21.SEP.2023 11:20:10

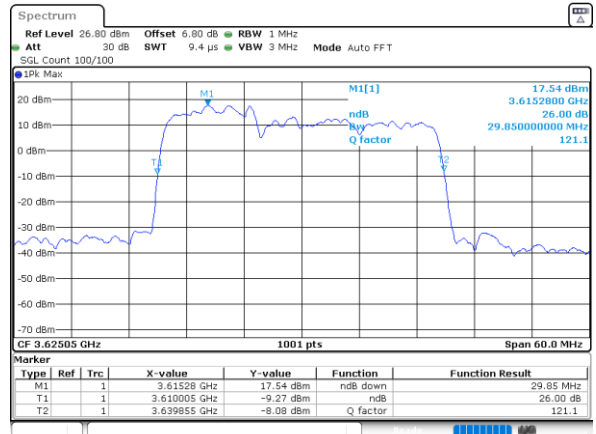
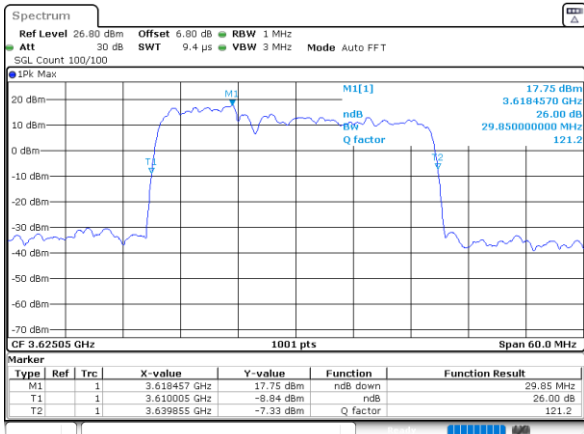
Date: 21.SEP.2023 11:21:34

QPSK

16QAM

Middle Channel / 10MHz+20MHz

Middle Channel / 10MHz+20MHz



Date: 21.SEP.2023 11:22:10

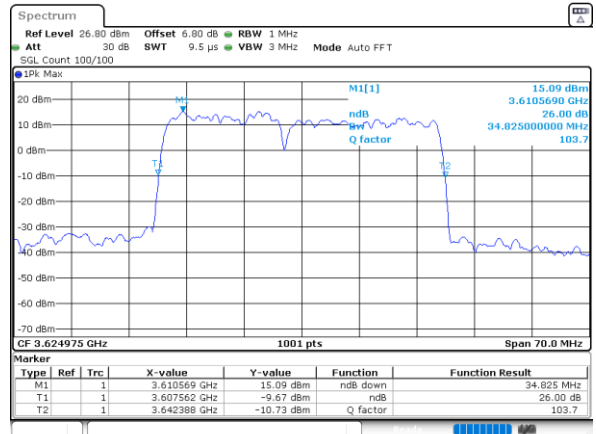
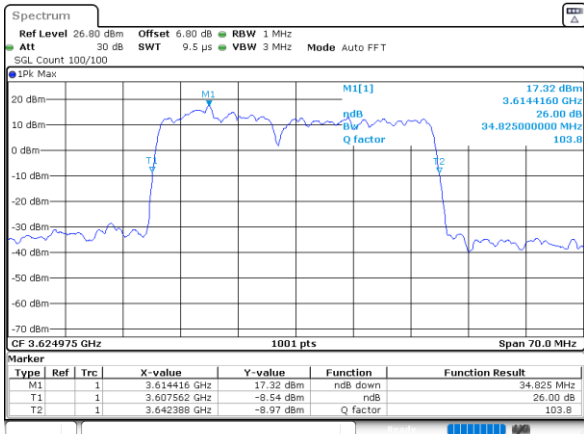
Date: 21.SEP.2023 11:23:34

QPSK

16QAM

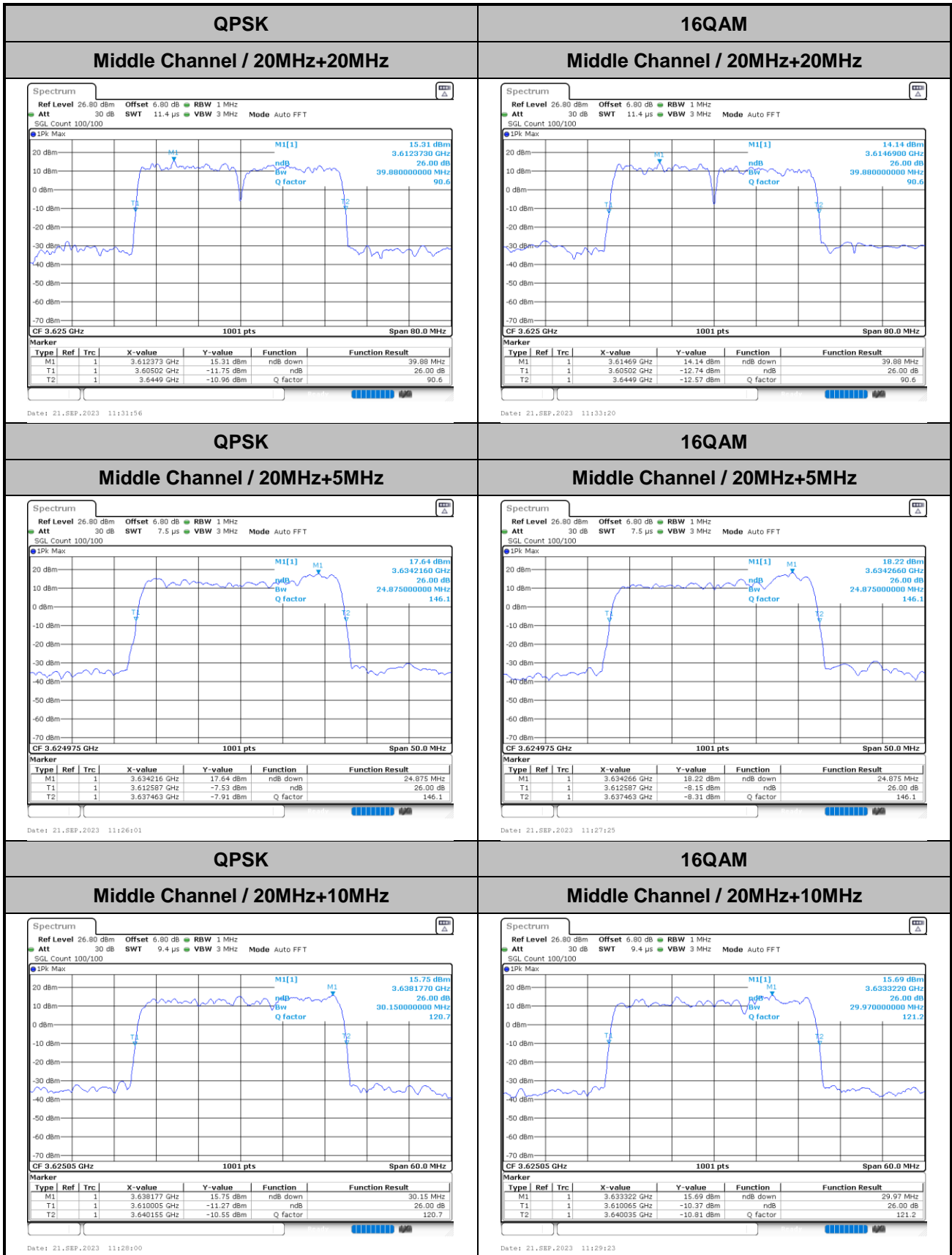
Middle Channel / 15MHz+20MHz

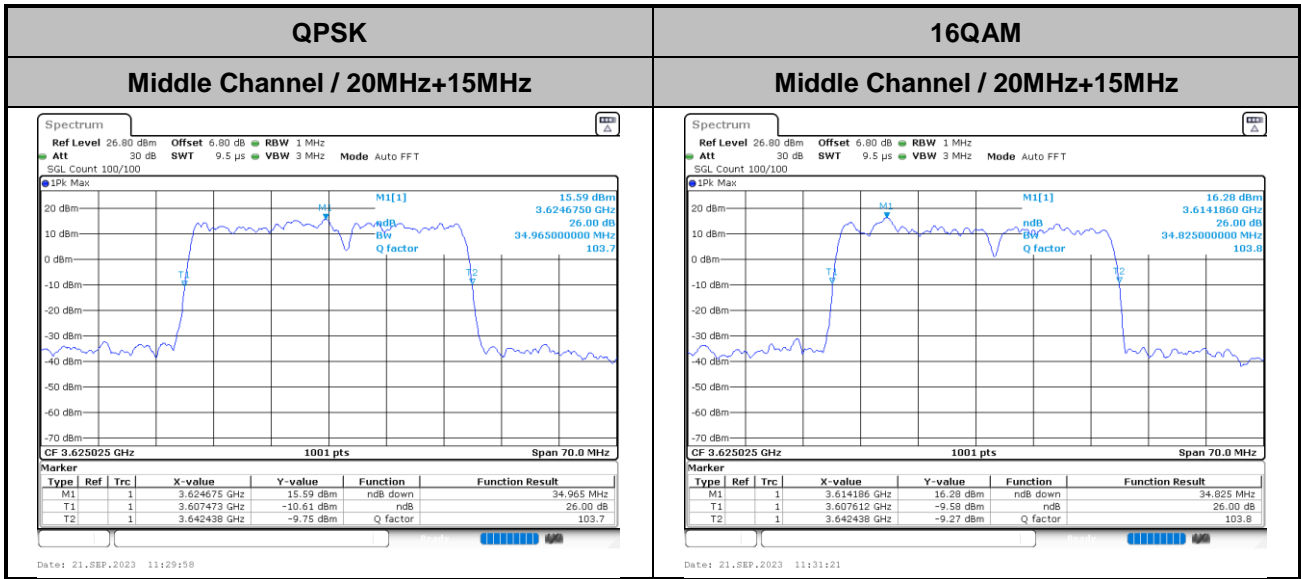
Middle Channel / 15MHz+20MHz



Date: 21.SEP.2023 11:24:05

Date: 21.SEP.2023 11:25:29







Occupied Bandwidth

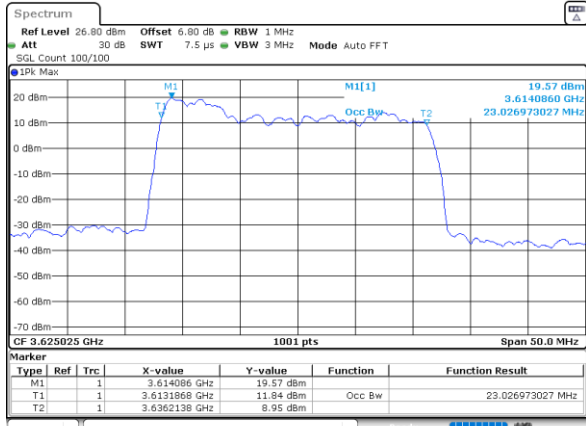
Mode	LTE Band 48C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	23.03	23.33
Mode	LTE Band 48C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	28.05	27.99
Mode	LTE Band 48C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	32.94	32.66
Mode	LTE Band 48C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.56	37.64
Mode	LTE Band 48C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	23.23	23.23
Mode	LTE Band 48C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	28.05	28.11
Mode	LTE Band 48C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	32.73	33.08



LTE Band 48C

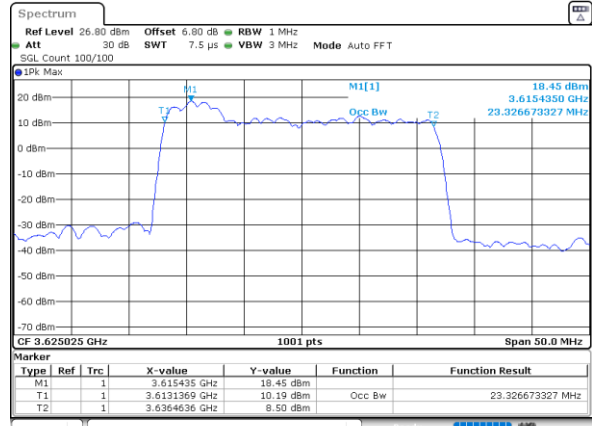
QPSK

Middle Channel / 5MHz+20MHz



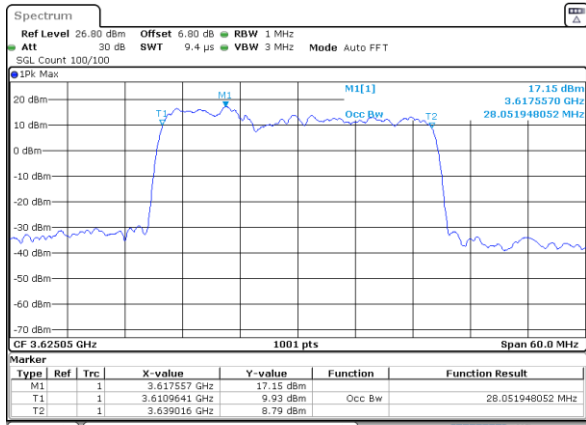
16QAM

Middle Channel / 5MHz+20MHz



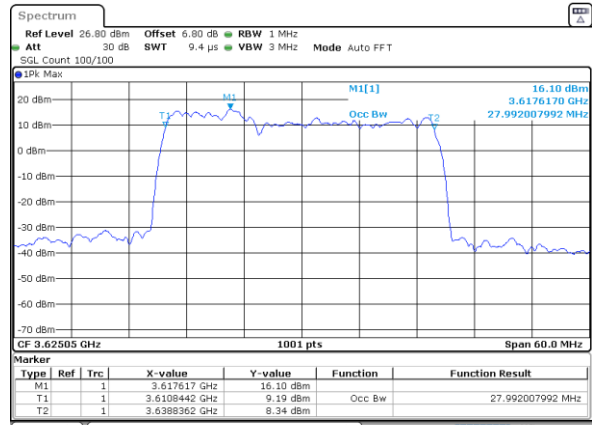
QPSK

Middle Channel / 10MHz+20MHz



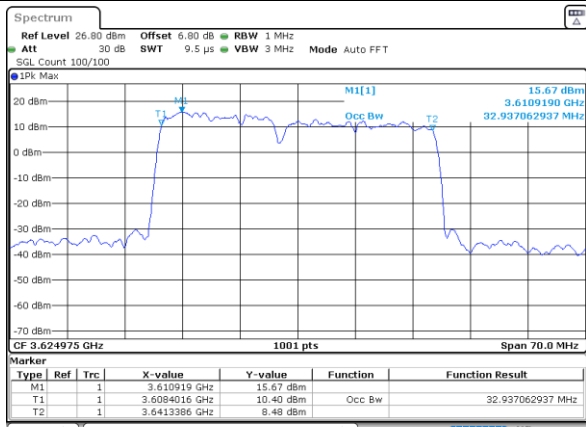
16QAM

Middle Channel / 10MHz+20MHz



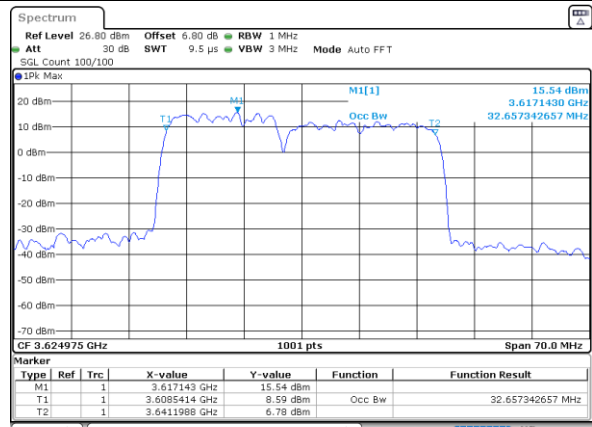
QPSK

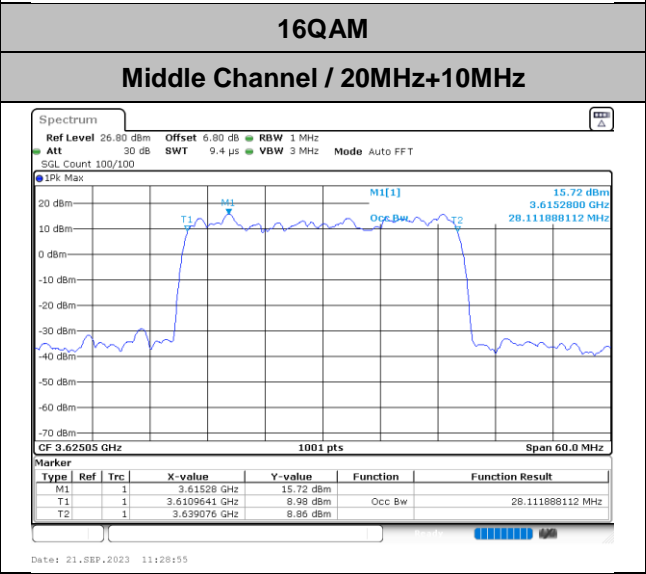
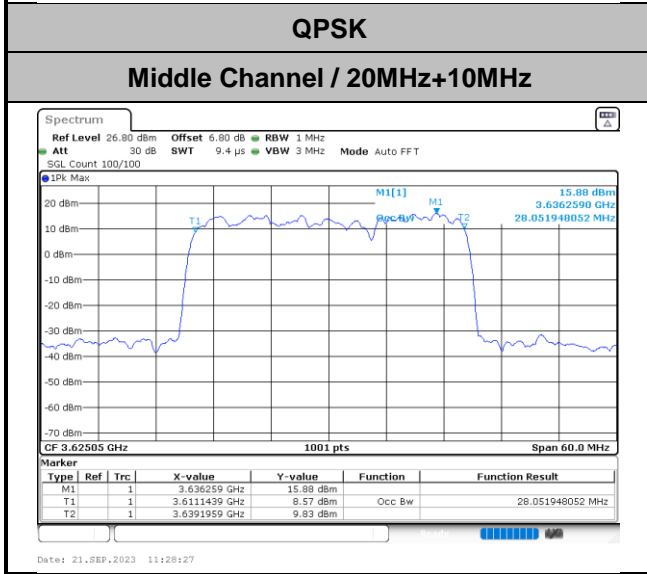
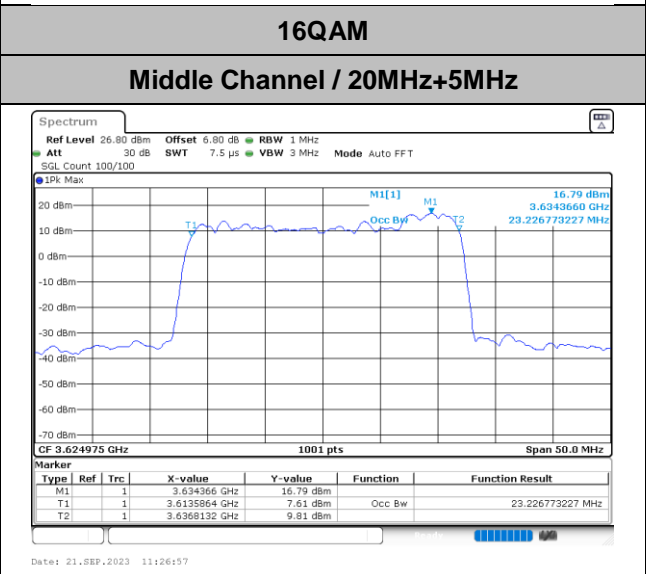
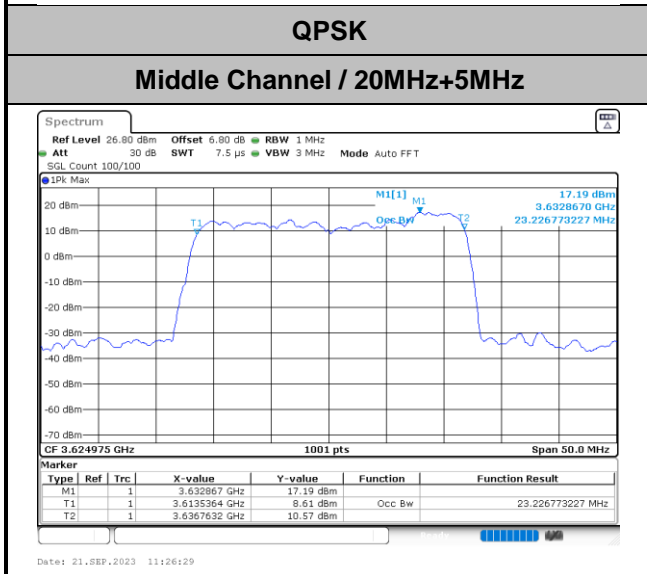
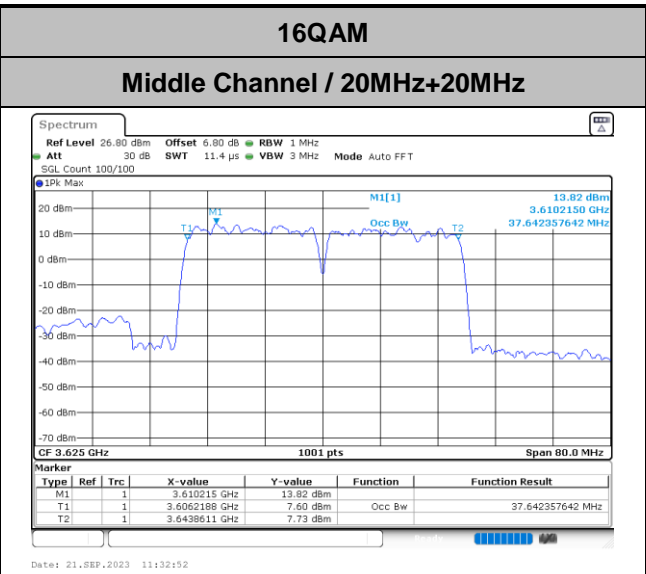
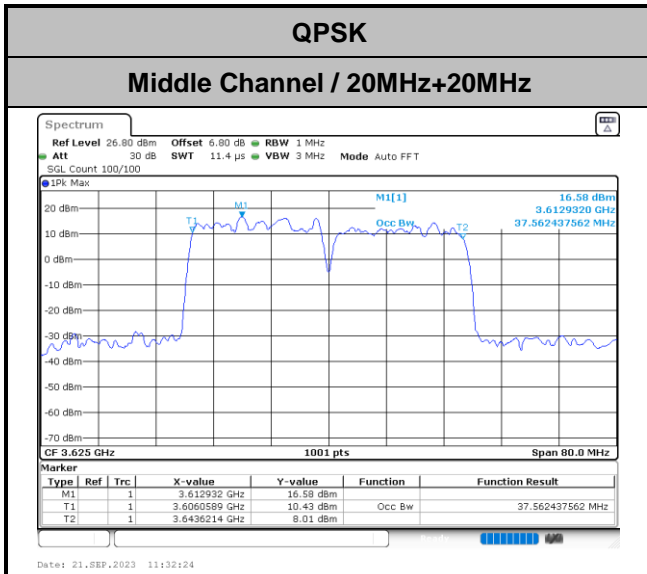
Middle Channel / 15MHz+20MHz

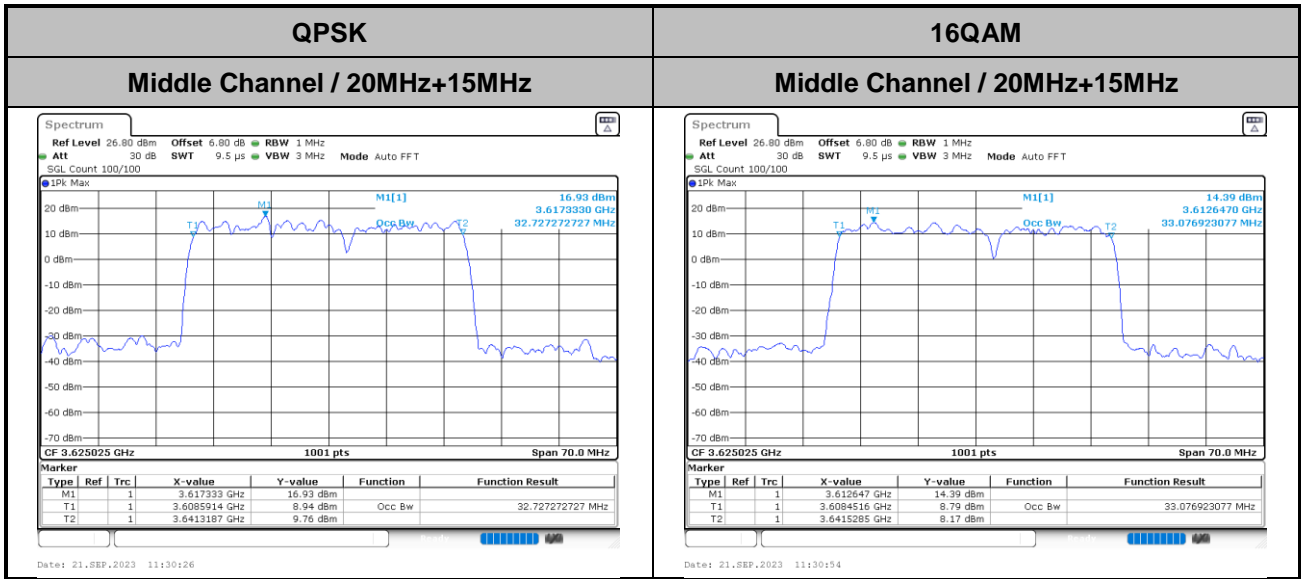


16QAM

Middle Channel / 15MHz+20MHz





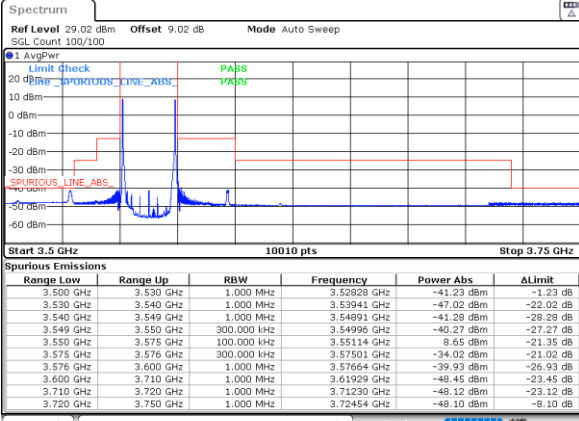




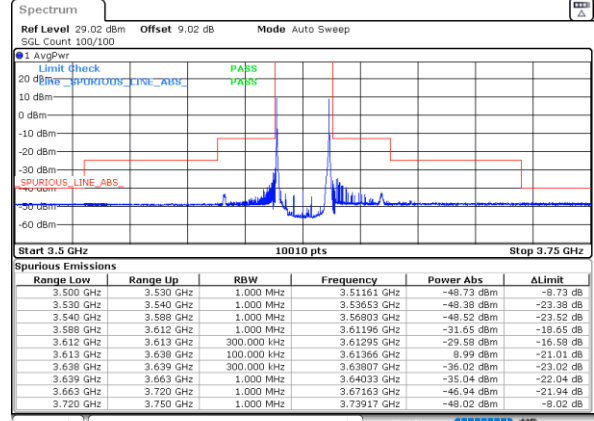
Conducted Band Edge

LTE Band 48C / 5MHz+20MHz QPSK

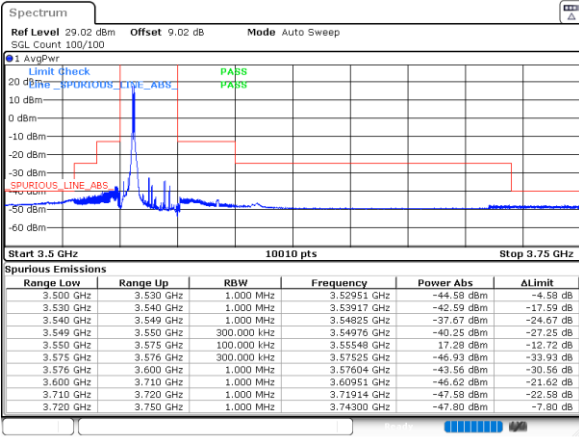
Lowest Band Edge / 1RB0 and 1RB9



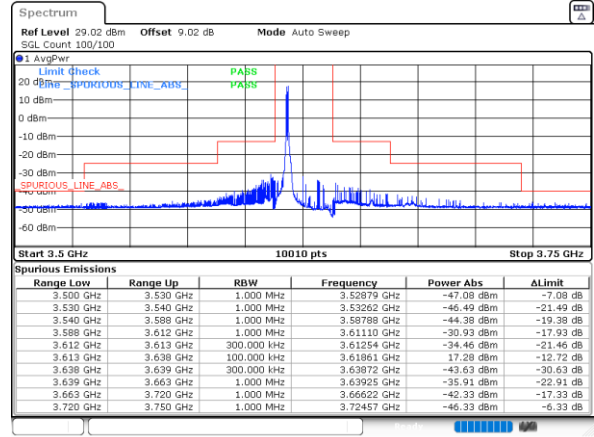
Middle Band Edge / 1RB0 and 1RB9



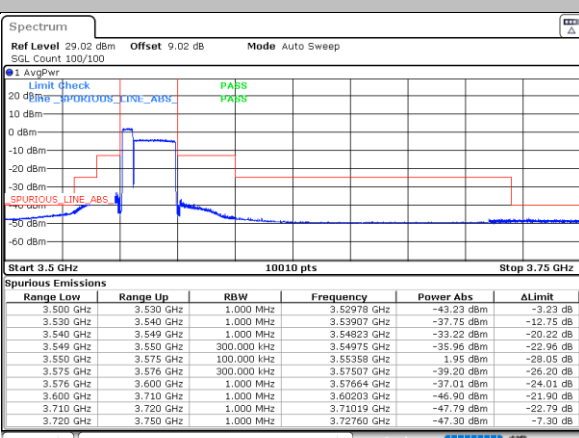
Lowest Band Edge / 1RB24 and 1RB0



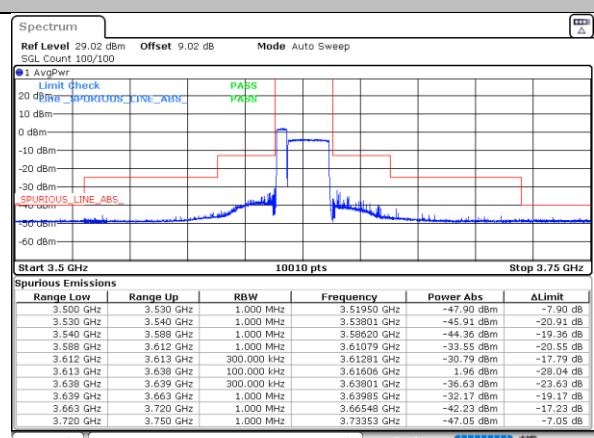
Middle Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Middle Band Edge / Full RB

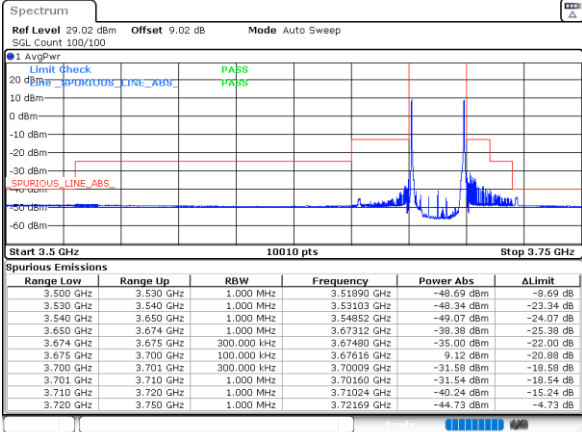




LTE Band 48C / 5MHz+20MHz

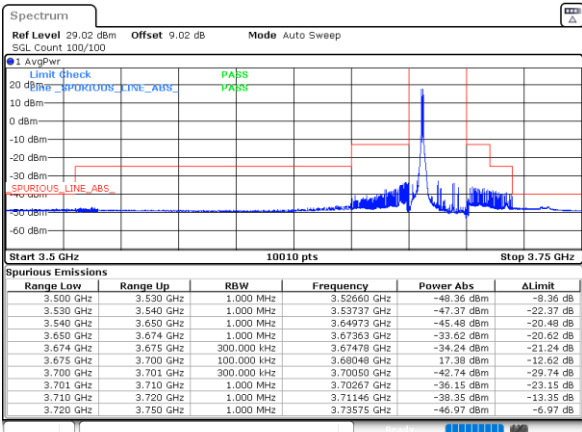
QPSK

Highest Band Edge / 1RB0 and 1RB99



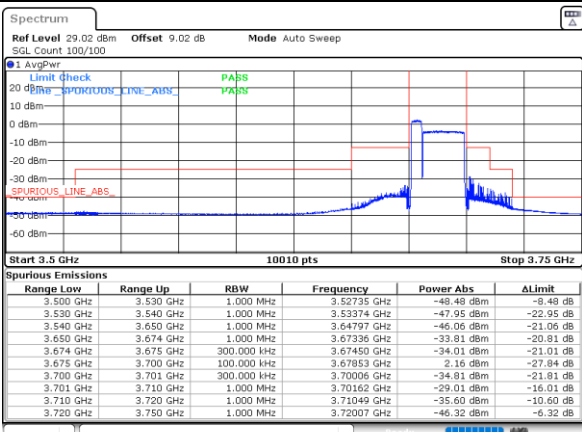
Date: 20, SEP, 2023 19:02:26

Highest Band Edge / 1RB24 and 1RB0



Date: 20, SEP, 2023 19:15:29

Highest Band Edge / Full RB



Date: 20, SEP, 2023 18:59:49

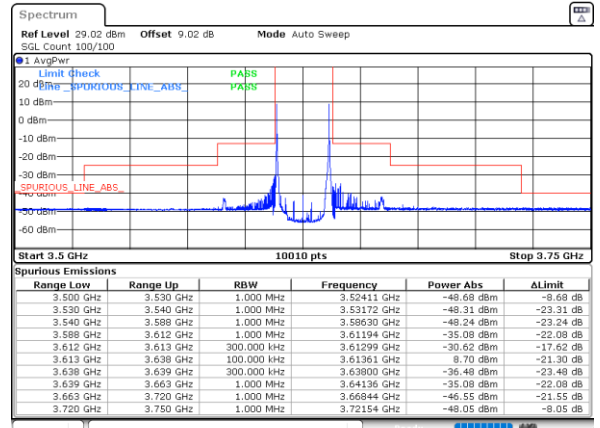
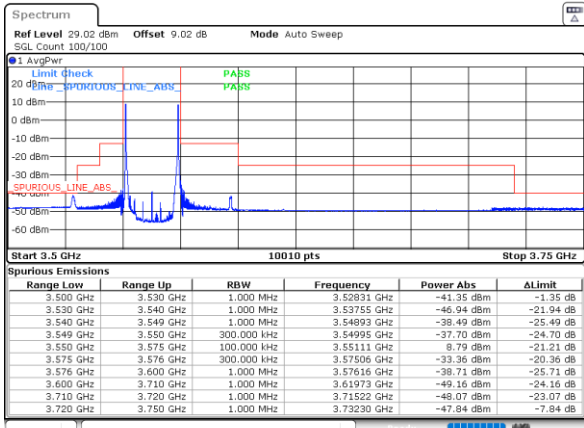


LTE Band 48C / 5MHz+20MHz

16QAM

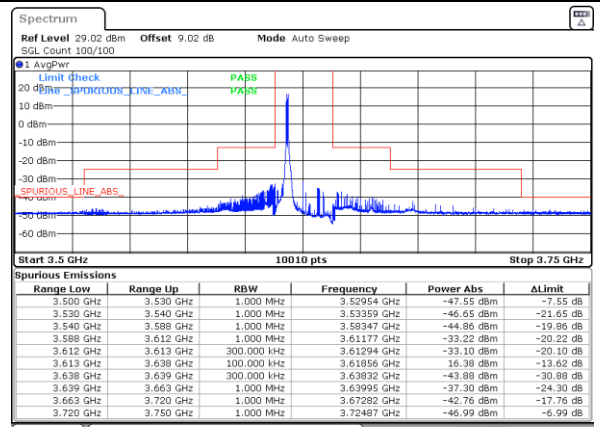
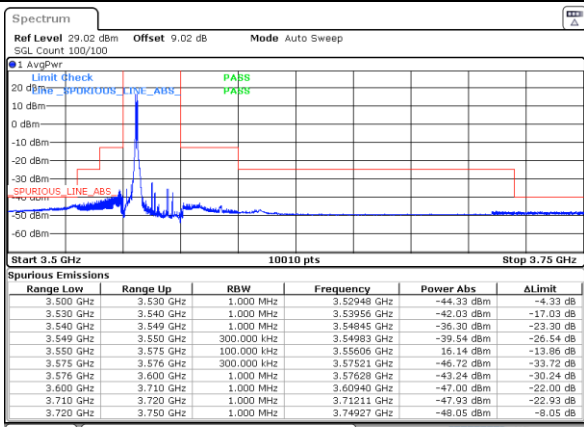
Lowest Band Edge / 1RB0 and 1RB9

Middle Band Edge / 1RB0 and 1RB9



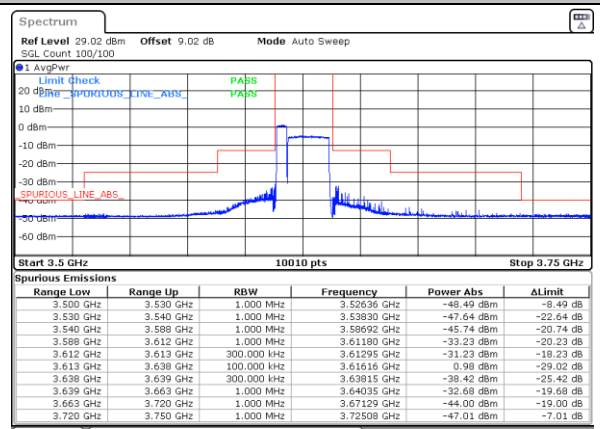
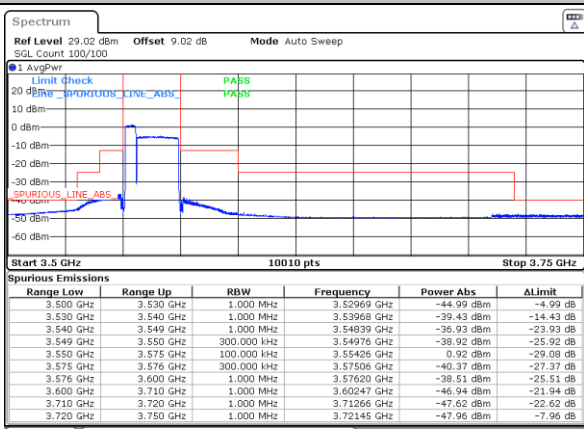
Lowest Band Edge / 1RB24 and 1RB0

Middle Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB

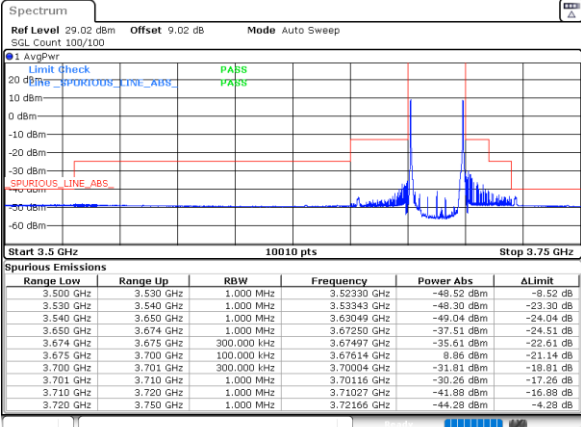




LTE Band 48C / 5MHz+20MHz

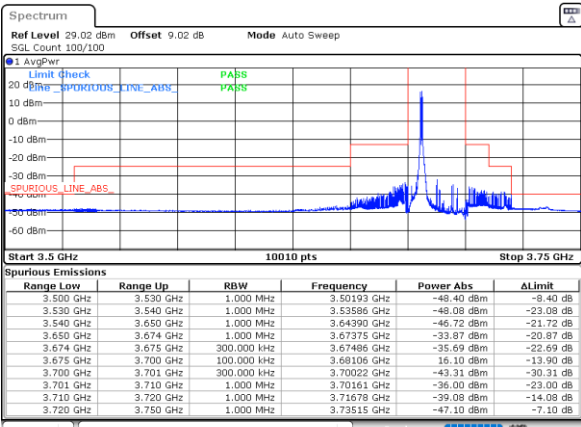
16QAM

Highest Band Edge / 1RB0 and 1RB99



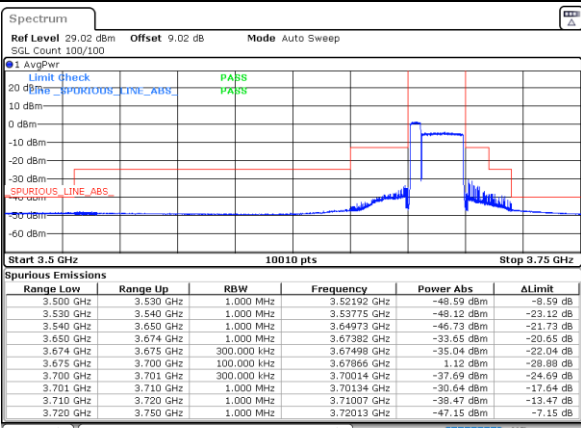
Date: 20_SEP_2023 19:05:03

Highest Band Edge / 1RB24 and 1RB0



Date: 20_SEP_2023 19:12:53

Highest Band Edge / Full RB



Date: 20_SEP_2023 18:57:13

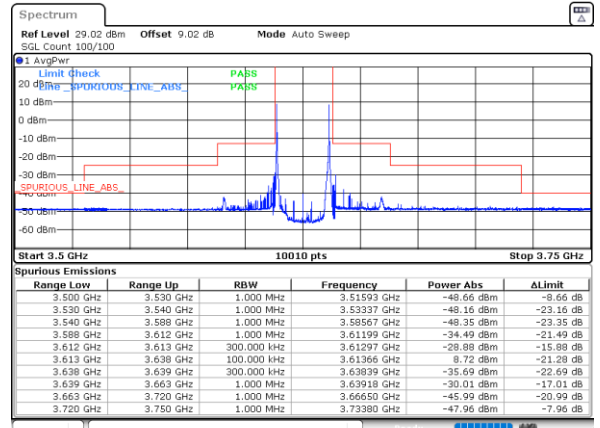
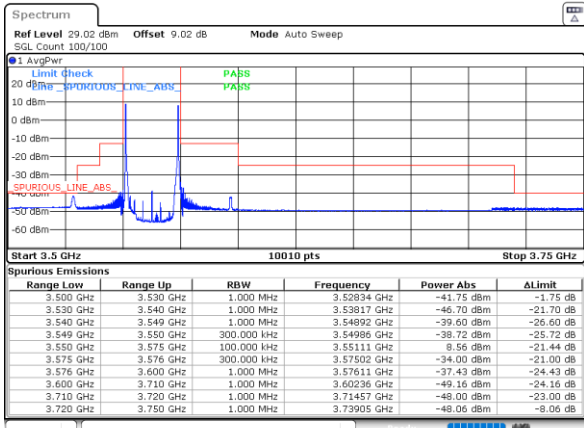


LTE Band 48C / 5MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Middle Band Edge / 1RB0 and 1RB9

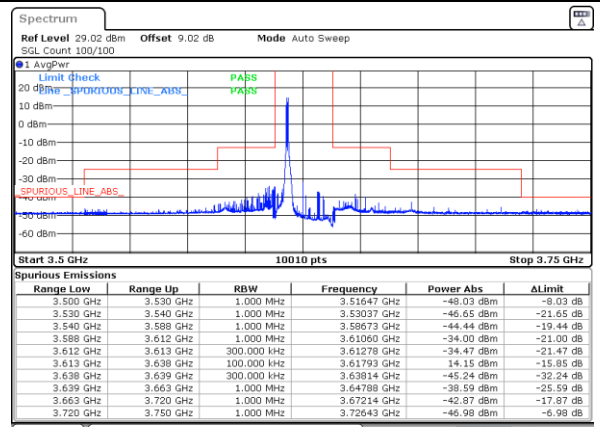
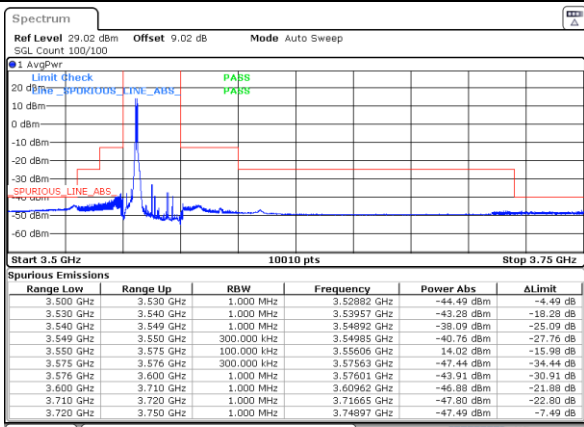


Date: 20_SEP_2023 17:53:29

Date: 20_SEP_2023 19:26:00

Lowest Band Edge / 1RB24 and 1RB0

Middle Band Edge / 1RB24 and 1RB0

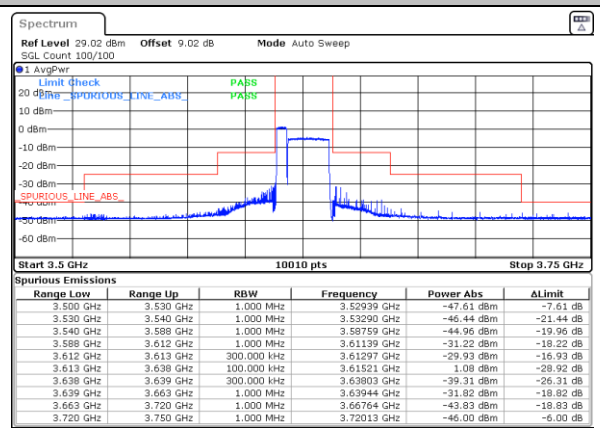
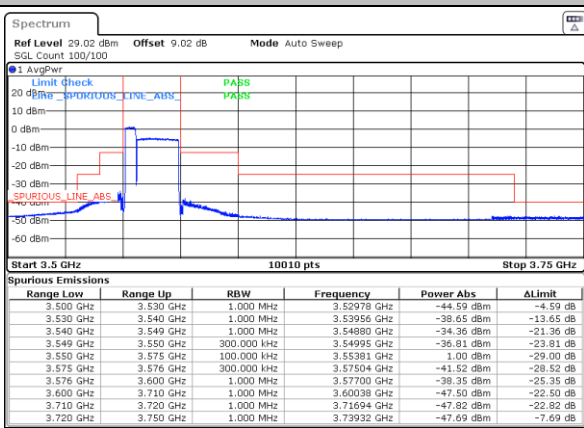


Date: 20_SEP_2023 18:06:33

Date: 20_SEP_2023 19:39:03

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 20_SEP_2023 17:50:52

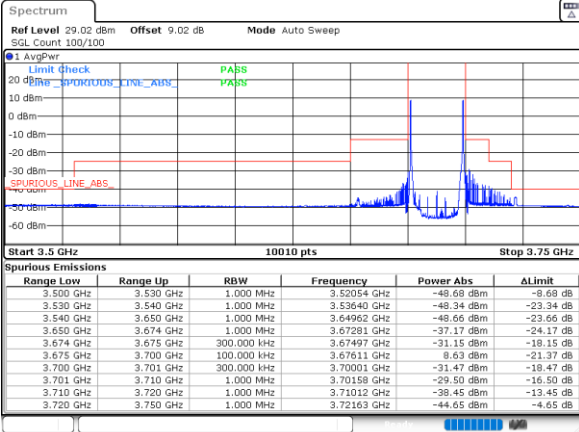
Date: 20_SEP_2023 19:23:23



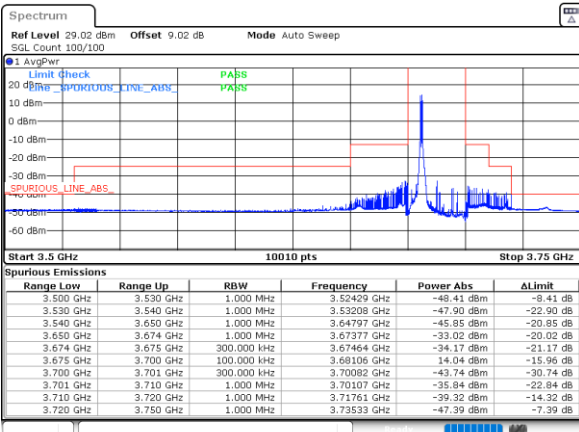
LTE Band 48C / 5MHz+20MHz

64QAM

Highest Band Edge / 1RB0 and 1RB99



Highest Band Edge / 1RB24 and 1RB0



Highest Band Edge / Full RB

