

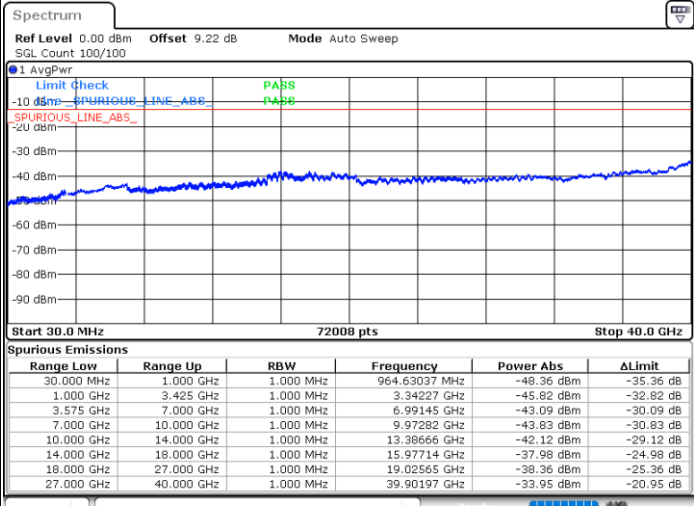
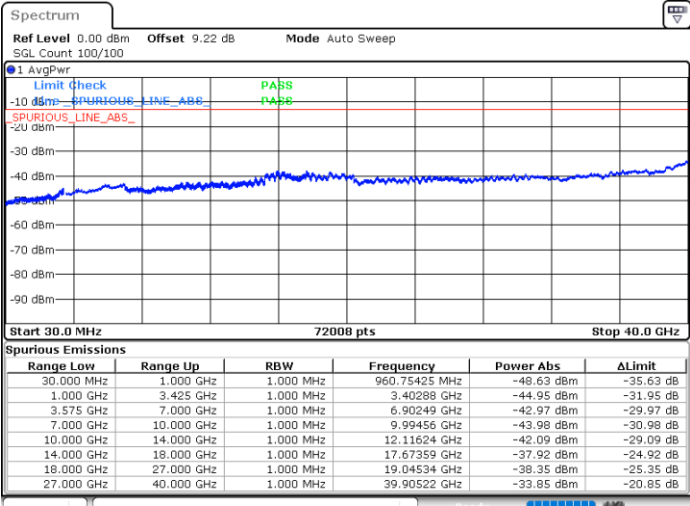


LTE Band 42/ 10MHz

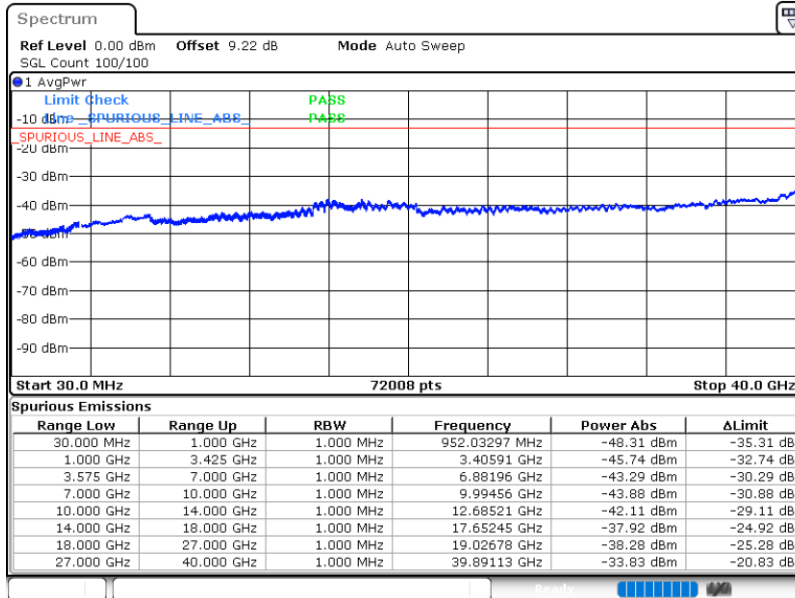
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



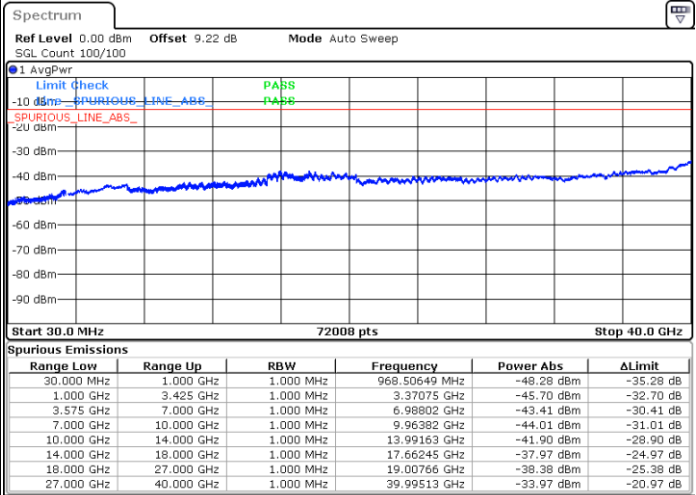
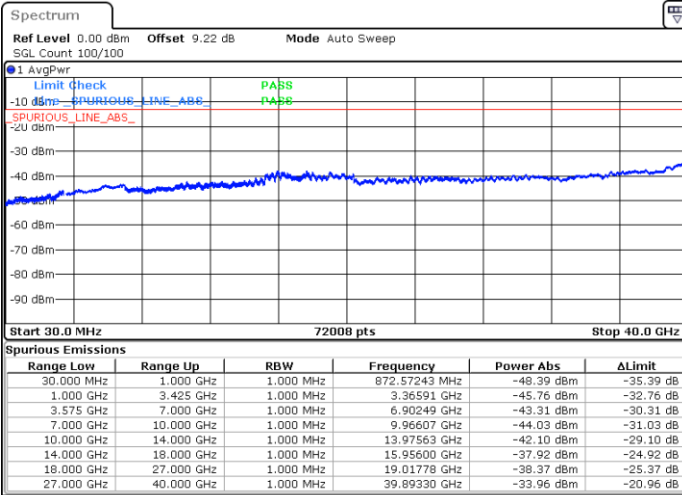


LTE Band 42/ 15MHz

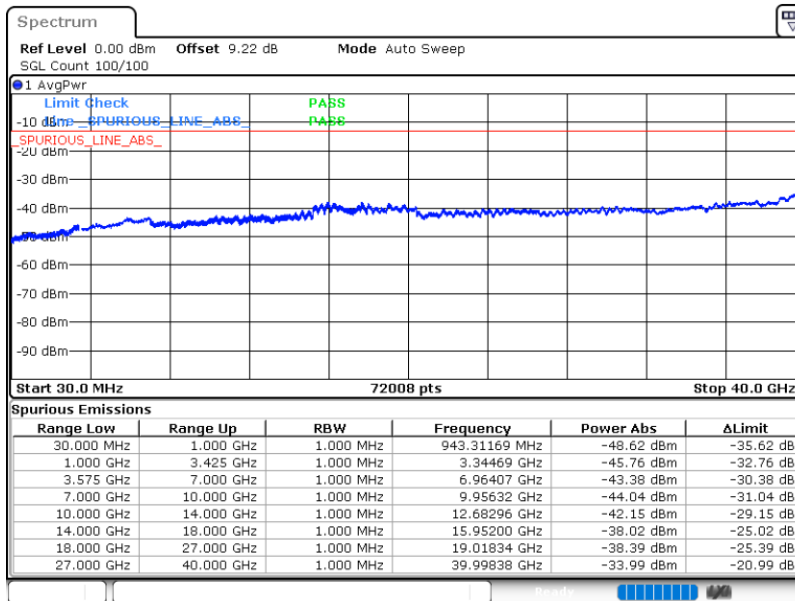
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



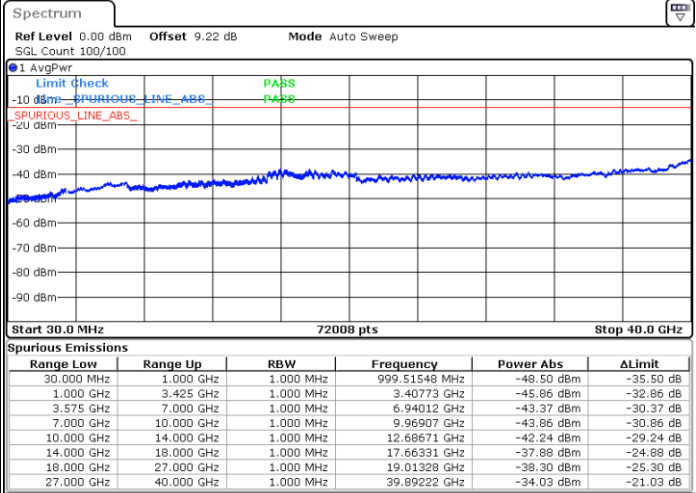
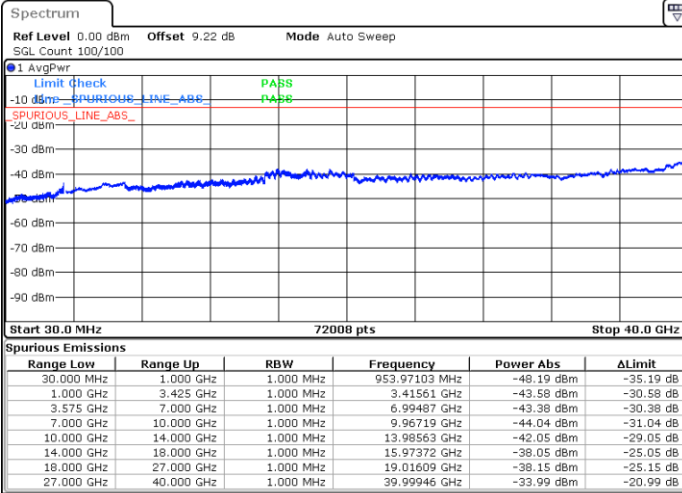


LTE Band 42/ 20MHz

QPSK / 1RB0

Lowest Channel

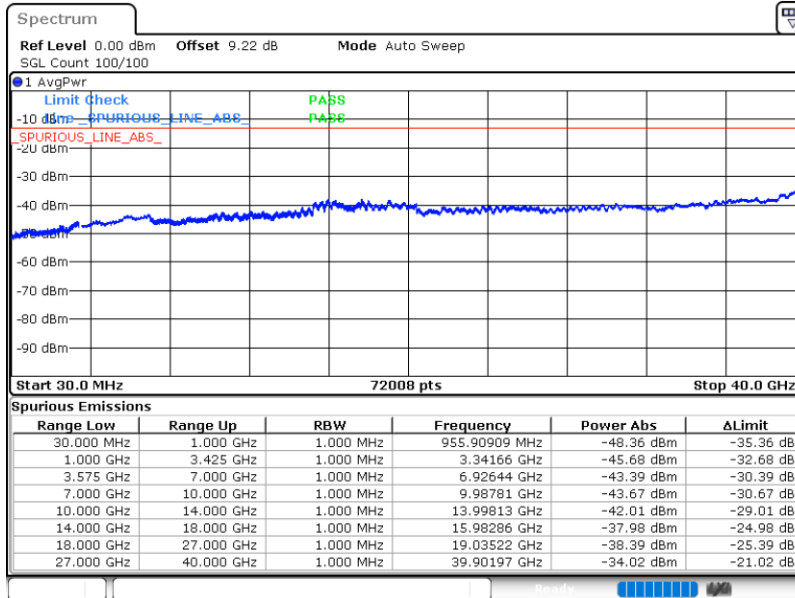
Middle Channel



Date: 2.APR.2024 12:57:15

Date: 2.APR.2024 13:07:02

Highest Channel



Date: 2.APR.2024 14:05:18



Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0044	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0057	

Note:

1. Normal Voltage =3.88 ; Battery End Point (BEP) =3.4 ; Maximum Voltage =4.48
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 42C

26dB Bandwidth

Mode	LTE Band 42C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	24.98	24.93
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	30.09	30.09
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	35.04	35.04
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	24.93	24.93
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	29.97	30.09
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	34.97	34.90
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.88	39.96



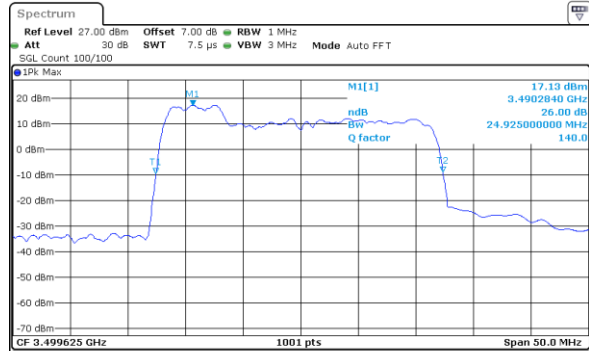
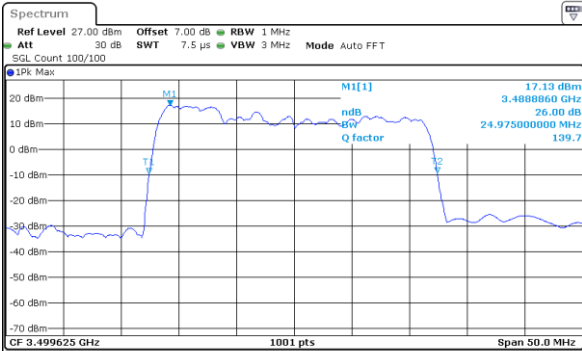
LTE Band 42C

QPSK

16QAM

Middle Channel / 5MHz+20MHz

Middle Channel / 5MHz+20MHz



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		3.488886 GHz	17.13 dBm	ndB down	24.975 MHz
T1	1		3.487038 GHz	-9.62 dBm	ndB	26.00 dB
T2	1		3.512013 GHz	-9.38 dBm	Q factor	139.7

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		3.490284 GHz	17.13 dBm	ndB down	24.925 MHz
T1	1		3.487038 GHz	-9.67 dBm	ndB	26.00 dB
T2	1		3.511963 GHz	-8.95 dBm	Q factor	140.0

Date: 2,APR,2024 21:33:42

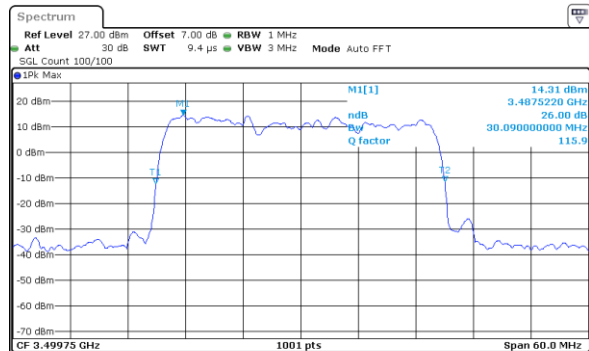
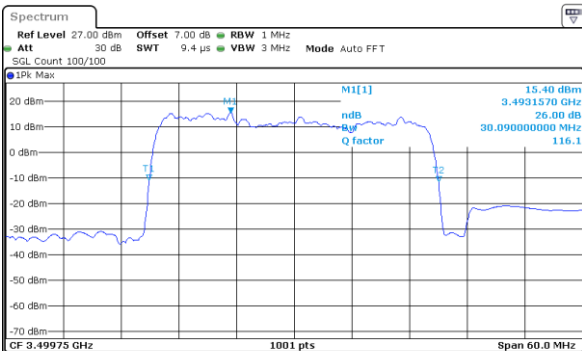
Date: 2,APR,2024 21:33:12

QPSK

16QAM

Middle Channel / 10MHz+20MHz

Middle Channel / 10MHz+20MHz

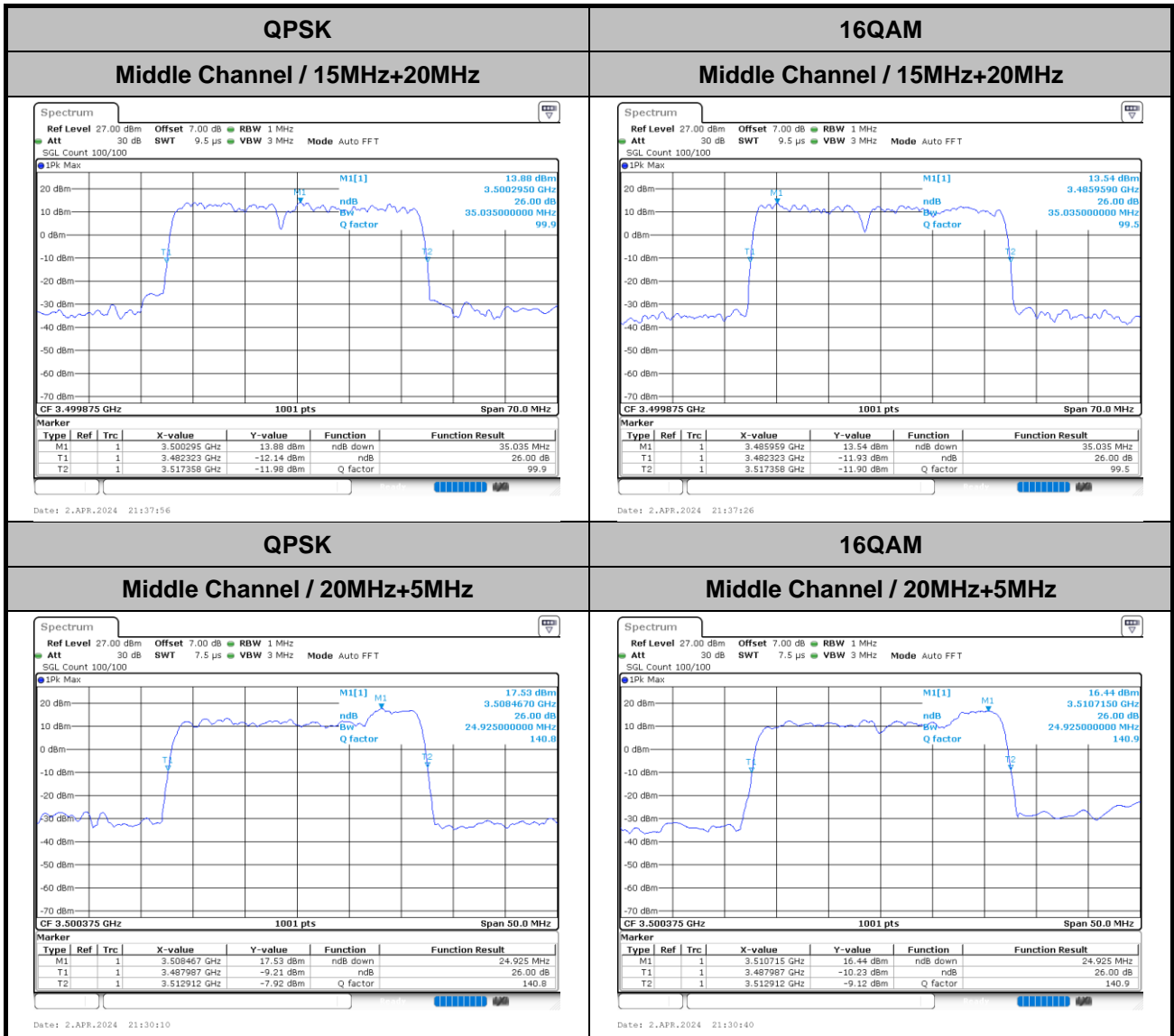


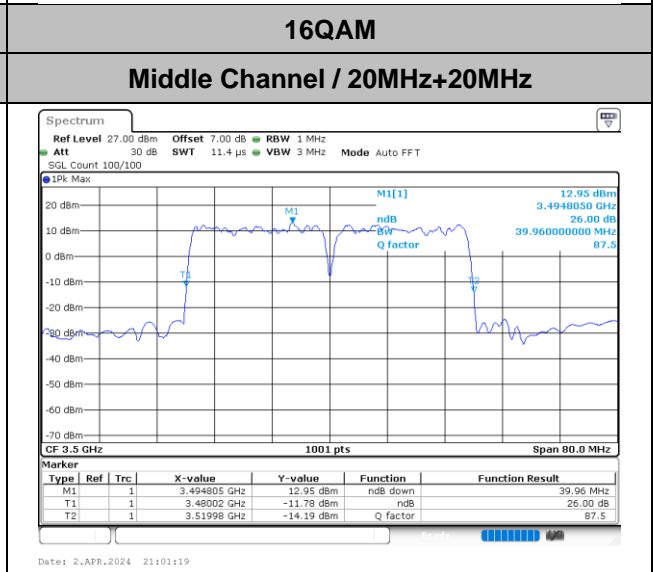
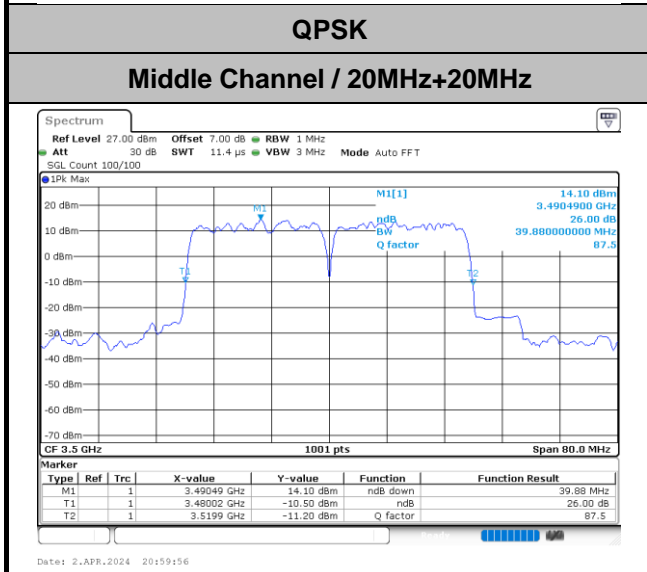
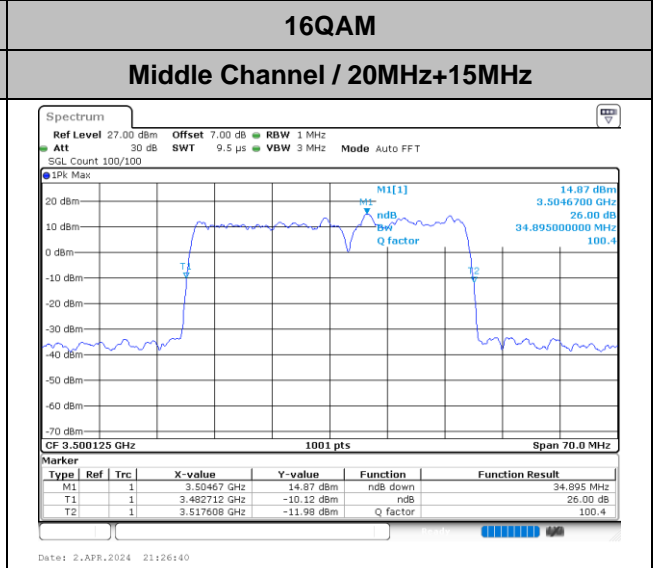
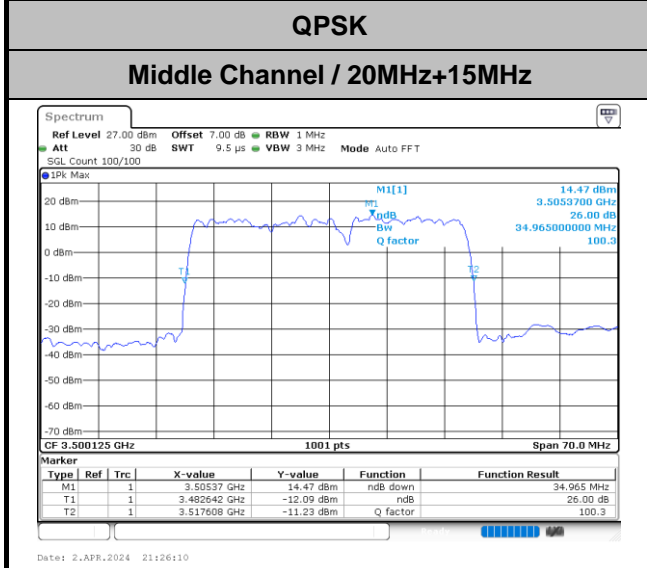
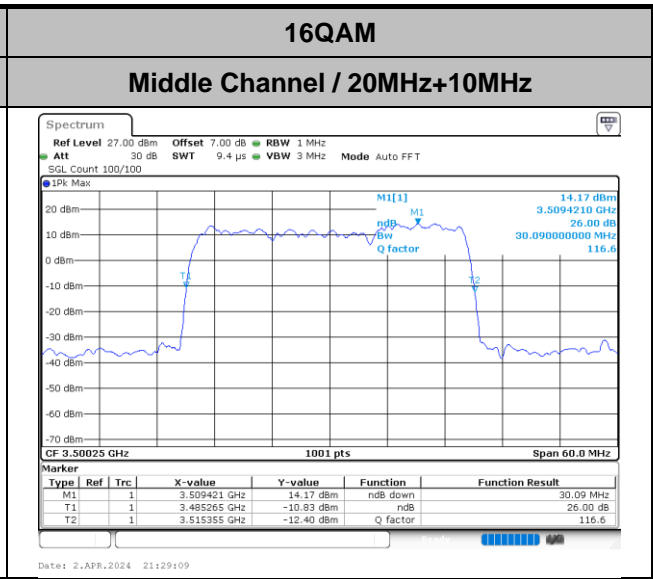
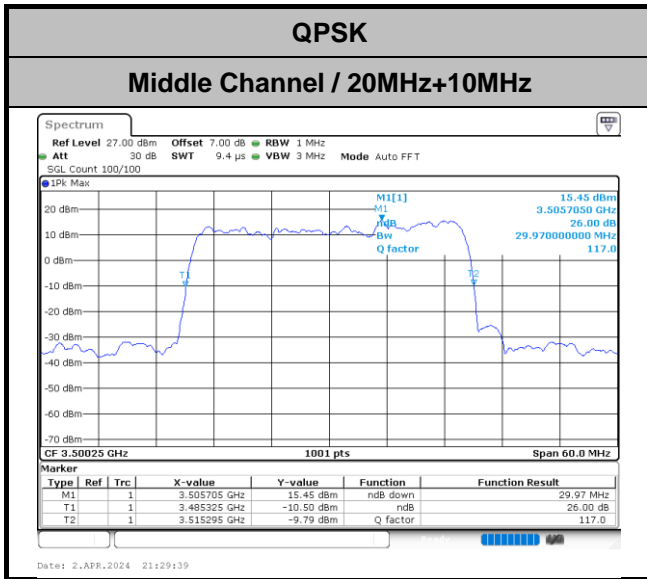
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		3.493157 GHz	15.40 dBm	ndB down	30.09 MHz
T1	1		3.484645 GHz	-10.88 dBm	ndB	26.00 dB
T2	1		3.514735 GHz	-11.43 dBm	Q factor	116.1

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		3.487522 GHz	14.31 dBm	ndB down	30.09 MHz
T1	1		3.484645 GHz	-12.47 dBm	ndB	26.00 dB
T2	1		3.514735 GHz	-11.47 dBm	Q factor	115.9

Date: 2,APR,2024 21:34:21

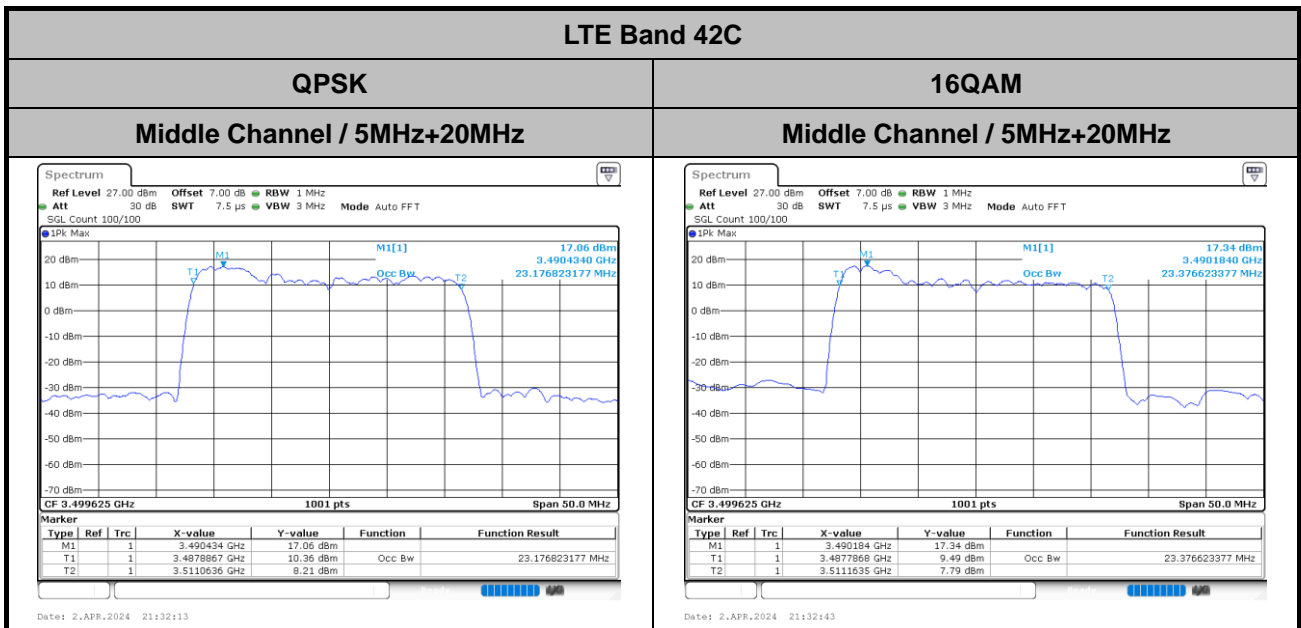
Date: 2,APR,2024 21:34:51

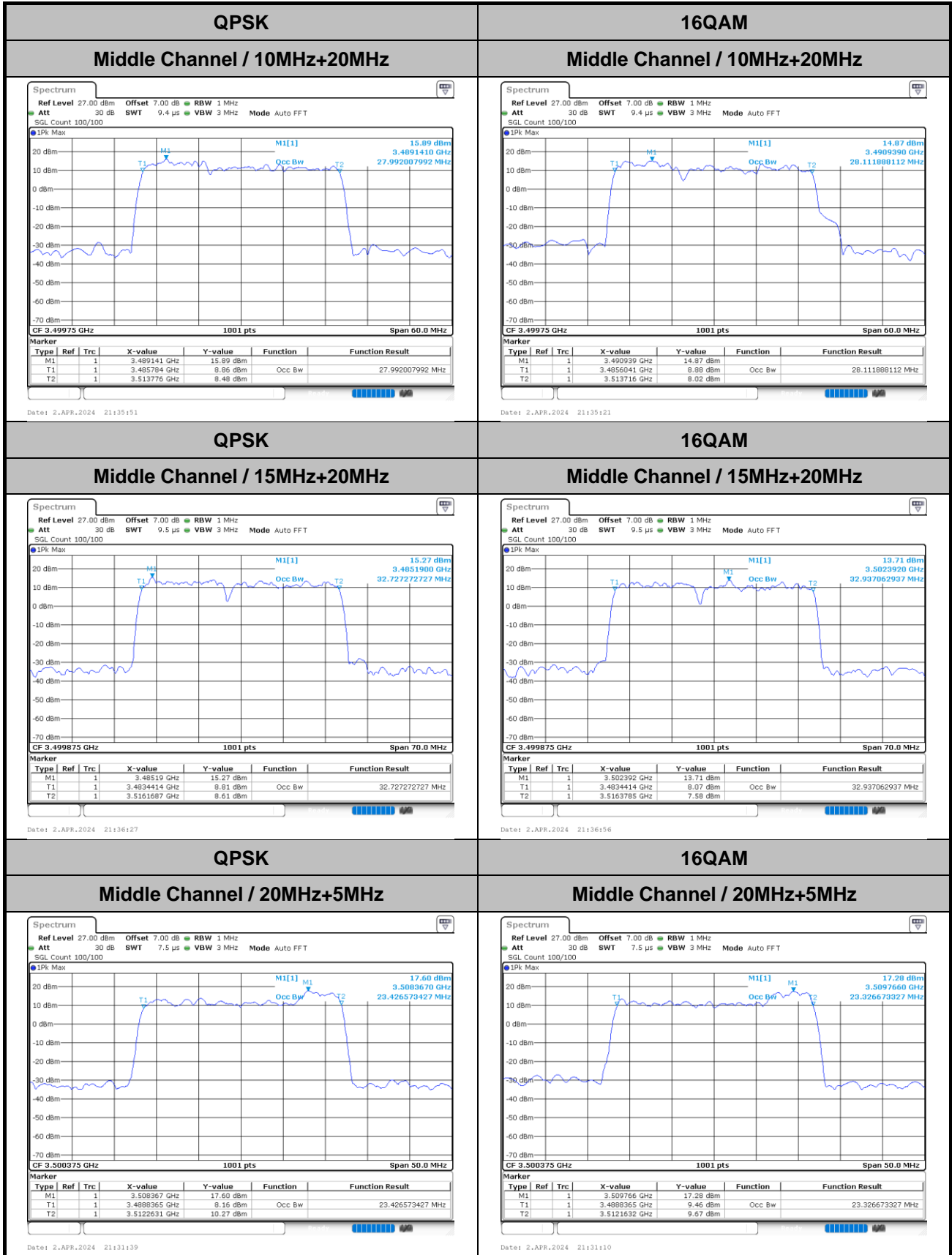


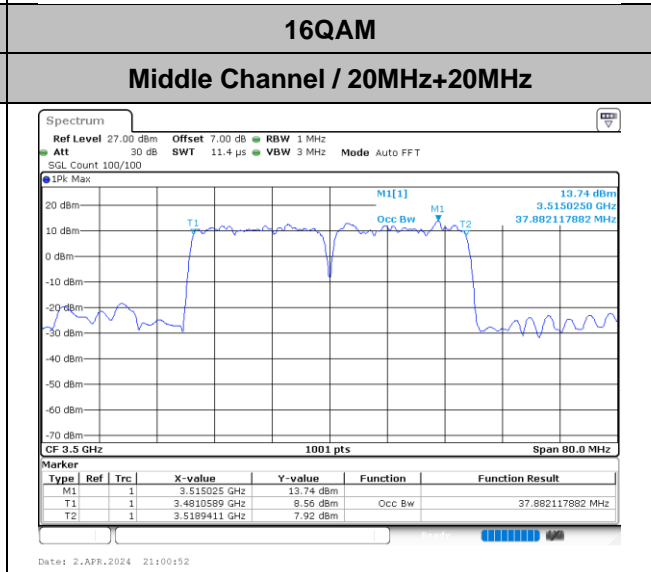
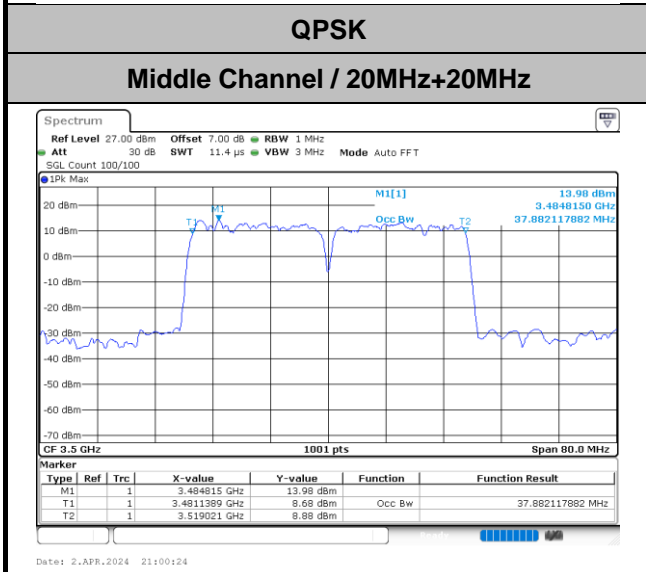
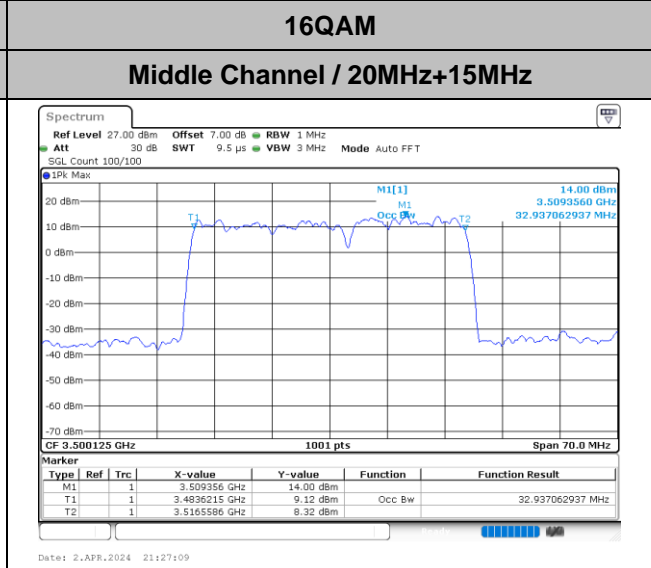
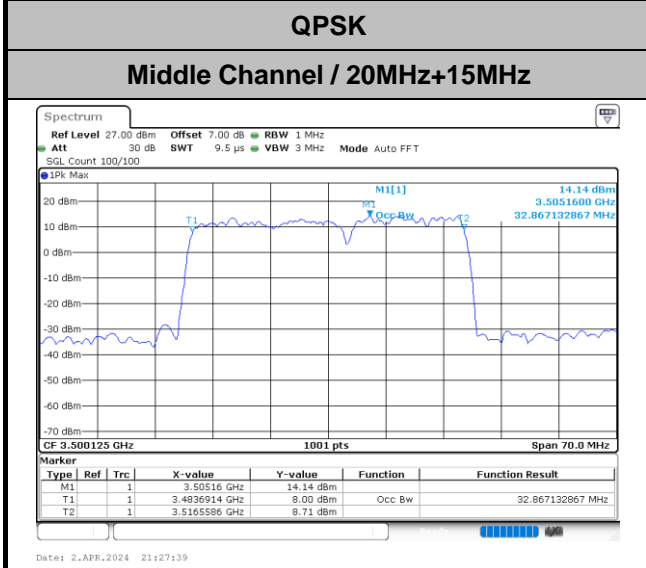
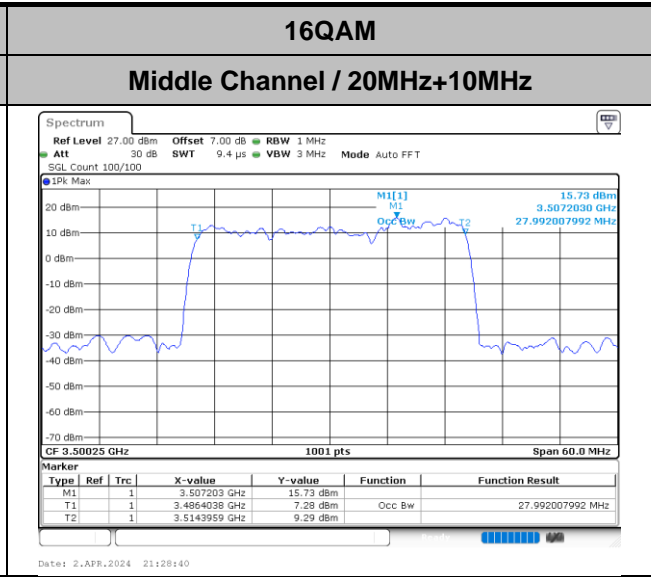
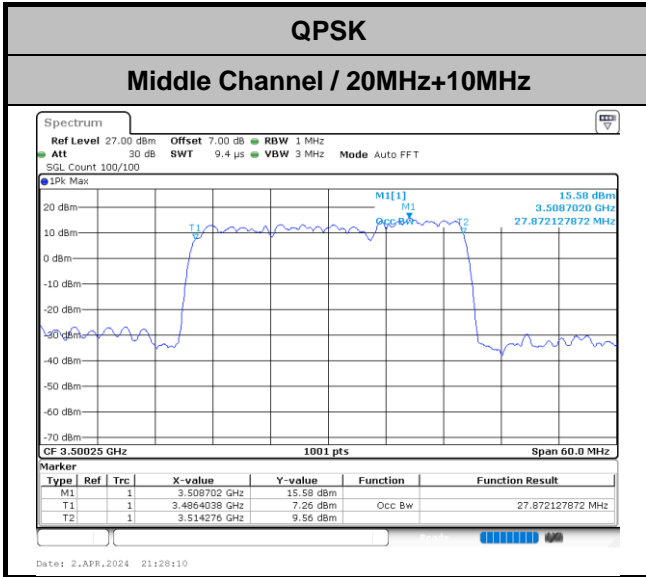


Occupied Bandwidth

Mode	LTE Band 42C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	23.18	23.38
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	27.99	28.11
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	32.73	32.94
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	23.43	23.33
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	27.87	27.99
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	32.87	32.94
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.88	37.88







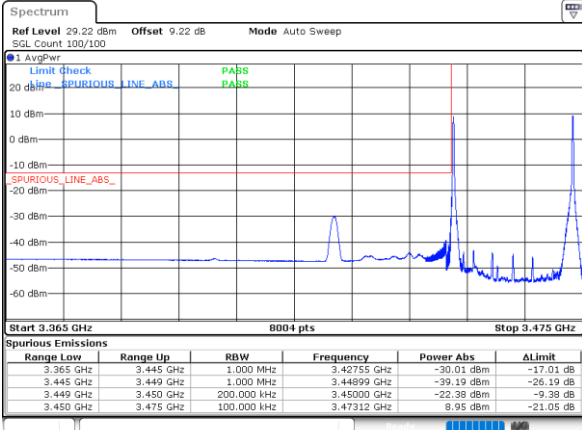


Conducted Band Edge

LTE Band 42C / 5MHz+20MHz

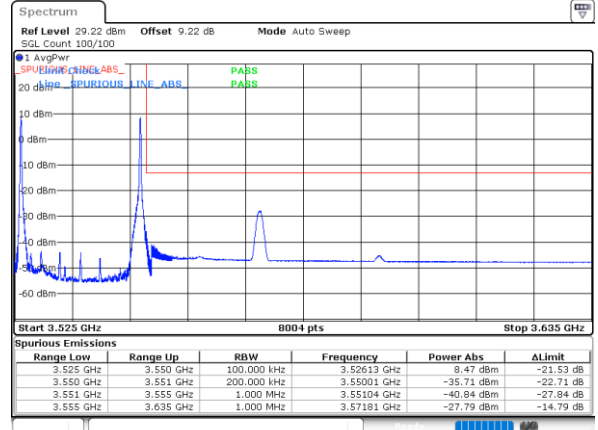
QPSK

Lowest Band Edge / 1RB0 and 1RB99



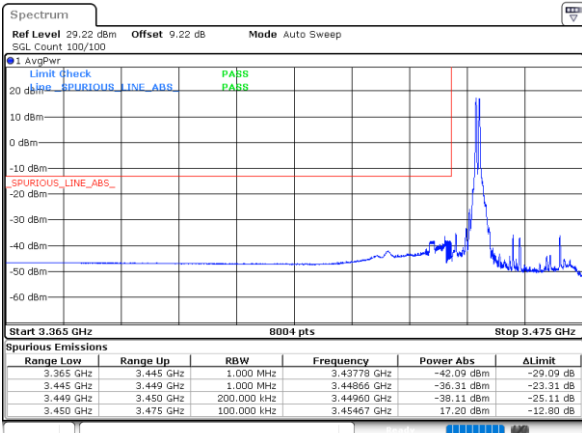
Date: 2.APR.2024 15:53:22

Highest Band Edge / 1RB0 and 1RB99



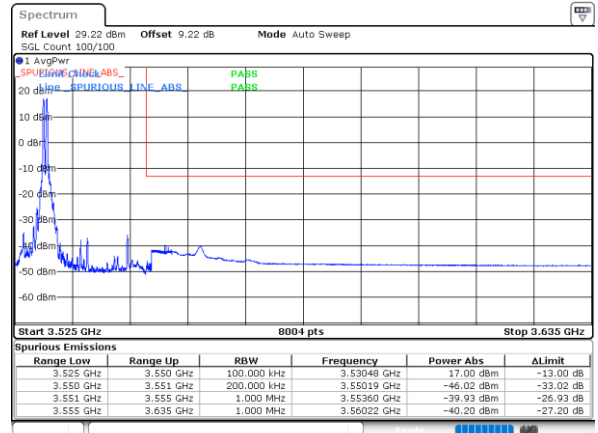
Date: 2.APR.2024 16:17:07

Lowest Band Edge / 1RB24 and 1RB0

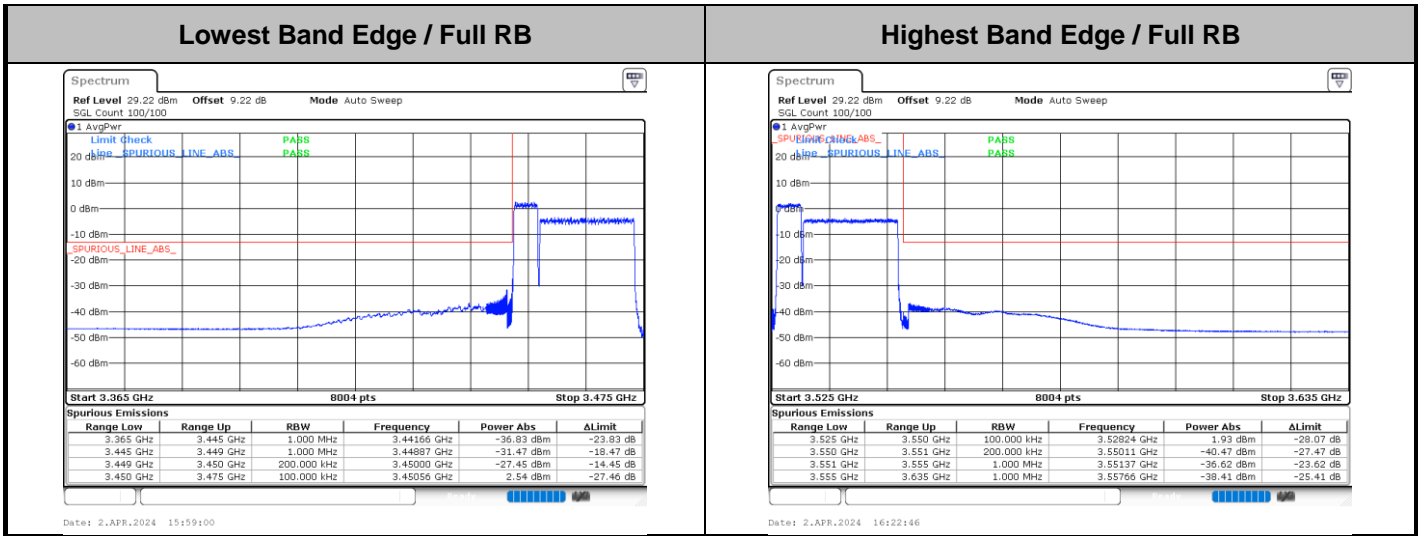


Date: 2.APR.2024 15:47:44

Highest Band Edge / 1RB24 and 1RB0



Date: 2.APR.2024 16:09:32



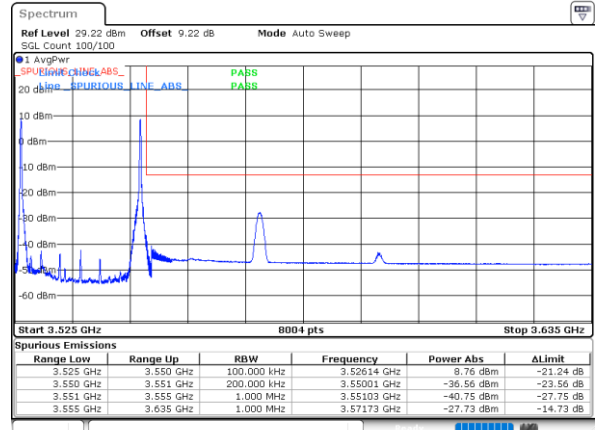
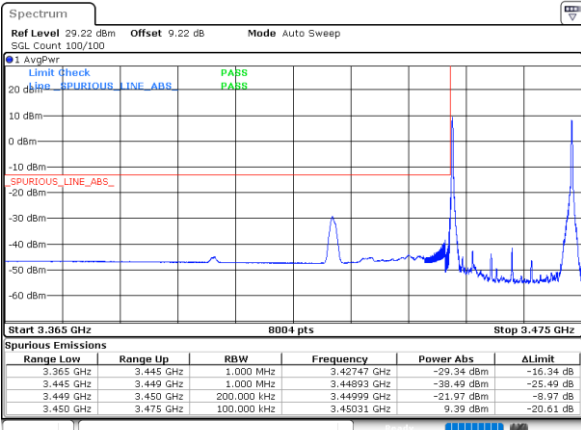


LTE Band 42C / 5MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

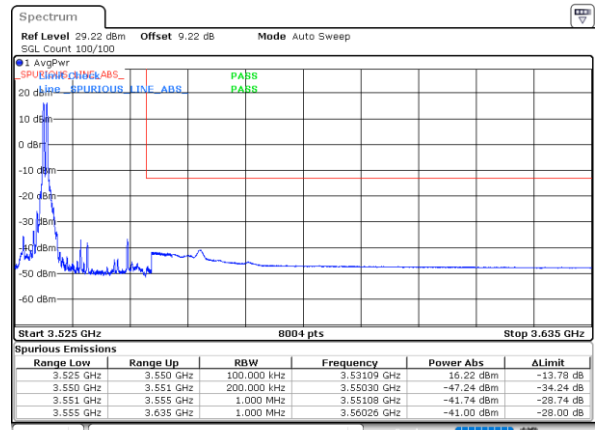
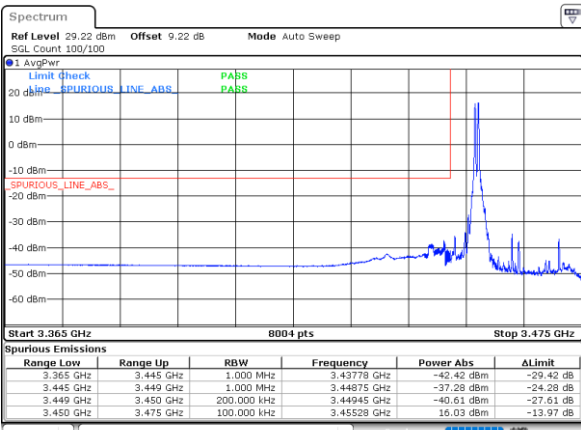


Date: 2.APR.2024 15:54:66

Date: 2.APR.2024 16:18:32

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

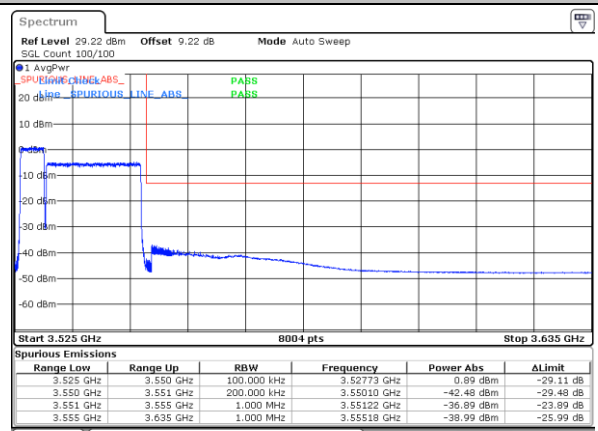
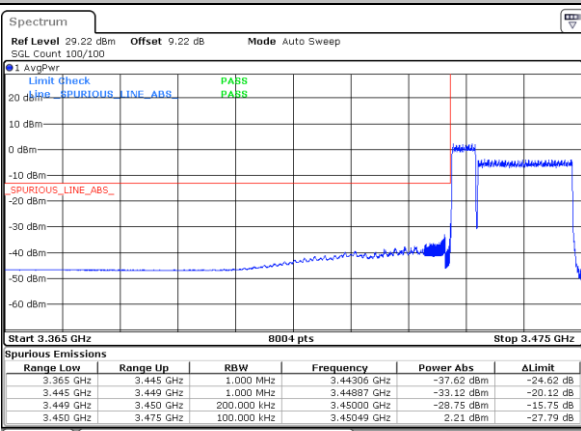


Date: 2.APR.2024 15:49:08

Date: 2.APR.2024 16:12:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 16:00:24

Date: 2.APR.2024 16:24:10

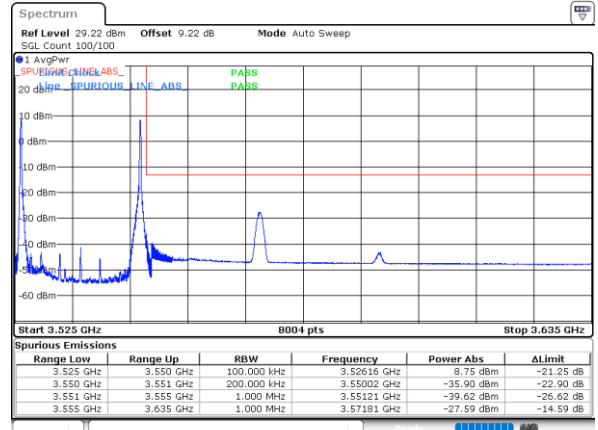
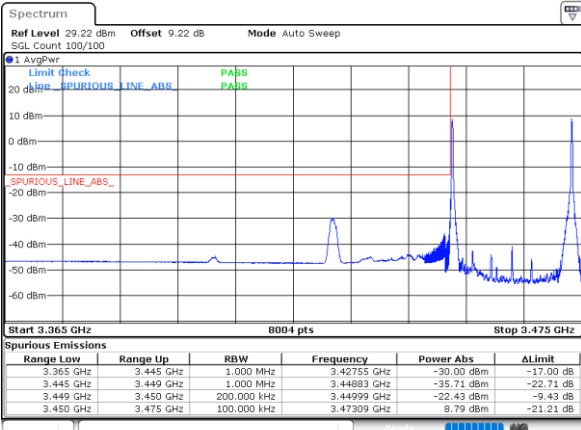


LTE Band 42C / 5MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

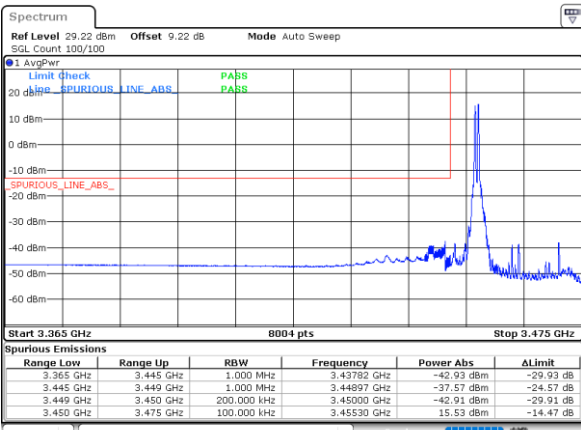


Date: 2.APR.2024 15:56:10

Date: 2.APR.2024 16:19:56

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

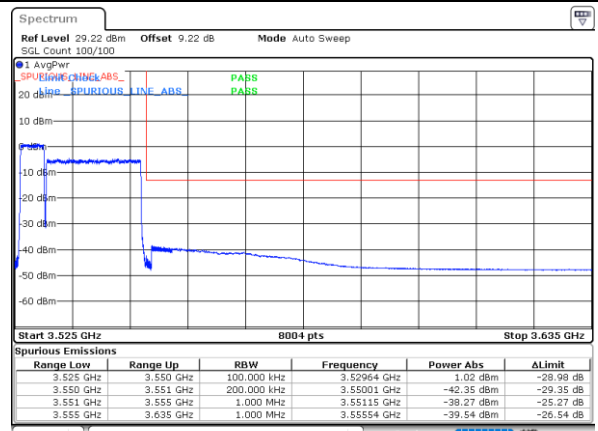
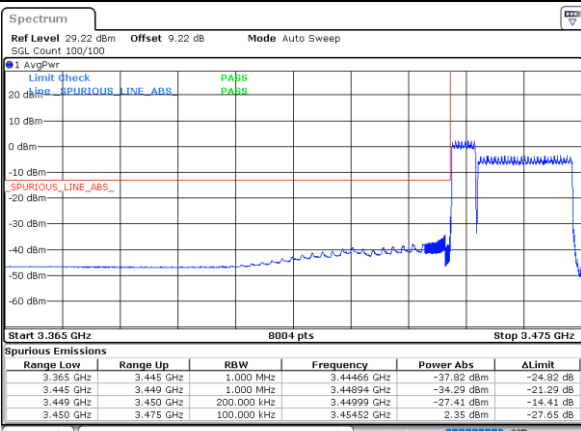


Date: 2.APR.2024 15:50:33

Date: 2.APR.2024 16:14:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 16:01:48

Date: 2.APR.2024 16:25:35

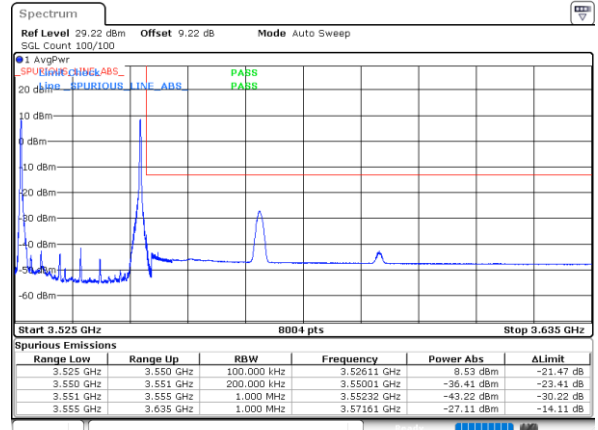
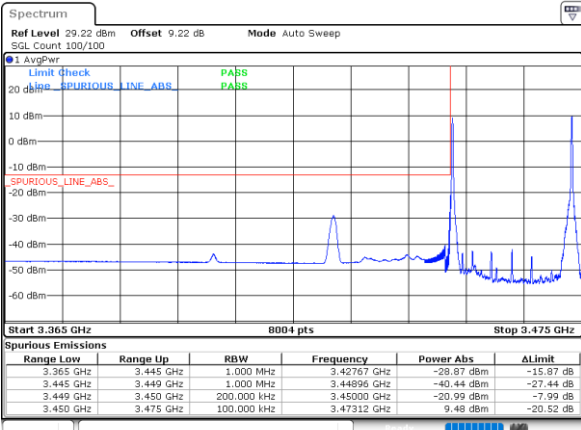


LTE Band 42C / 5MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

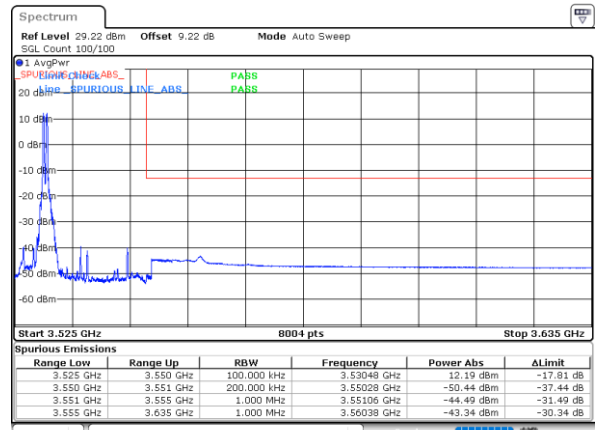
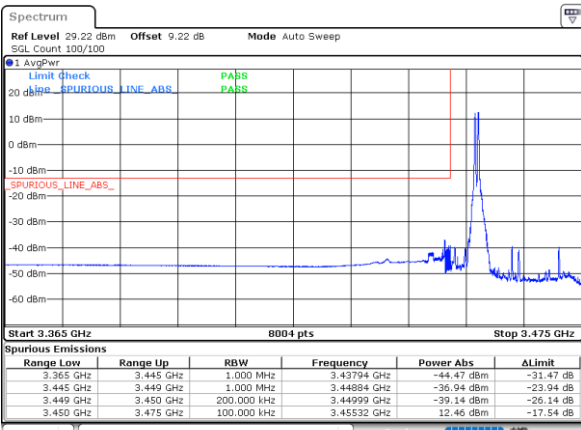


Date: 2.APR.2024 15:57:35

Date: 2.APR.2024 16:21:23

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

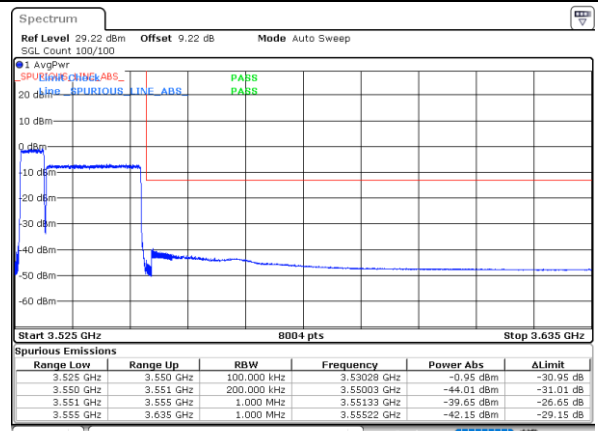
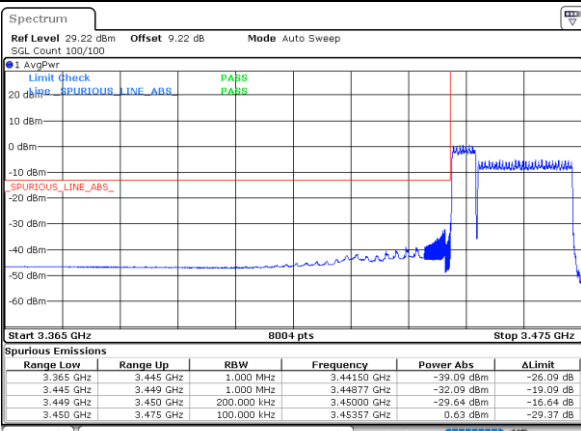


Date: 2.APR.2024 15:51:57

Date: 2.APR.2024 16:15:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 16:03:13

Date: 2.APR.2024 16:26:59

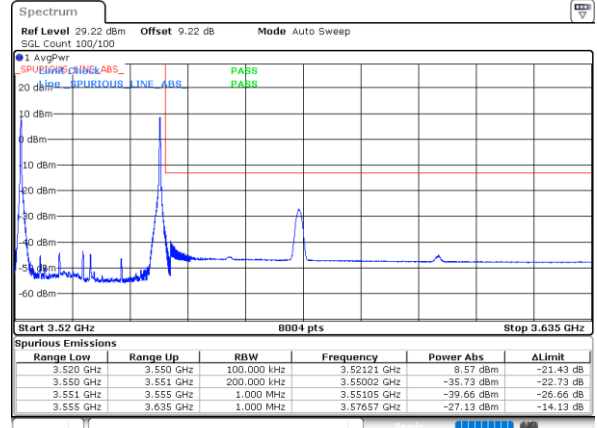
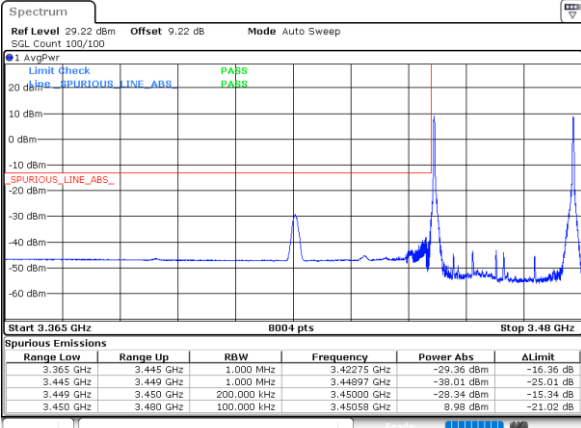


LTE Band 42C / 10MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

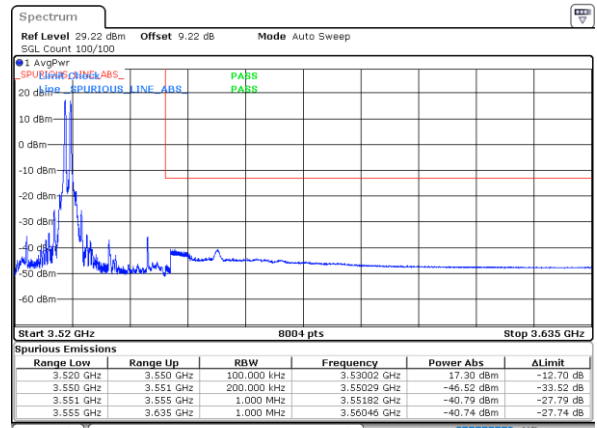
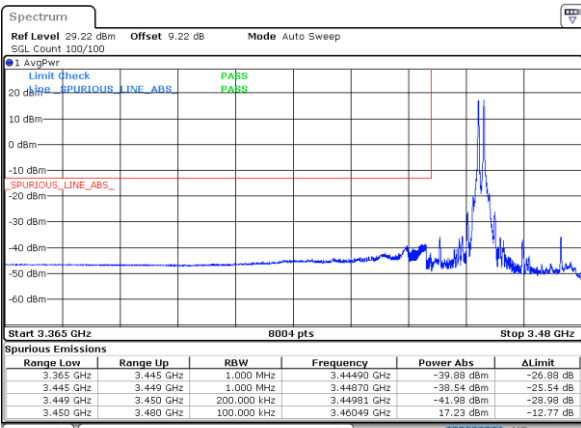


Date: 2.APR.2024 16:17:40

Date: 2.APR.2024 16:19:27

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

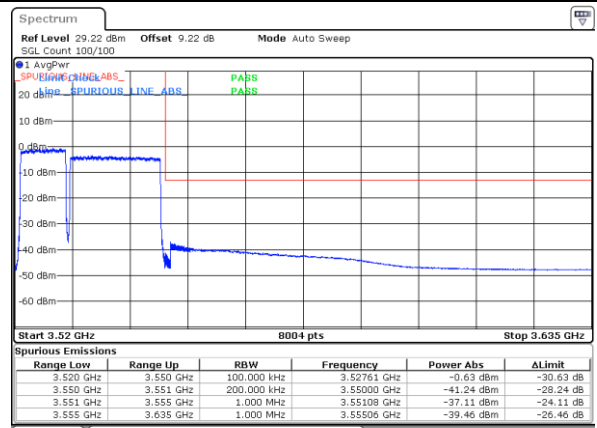
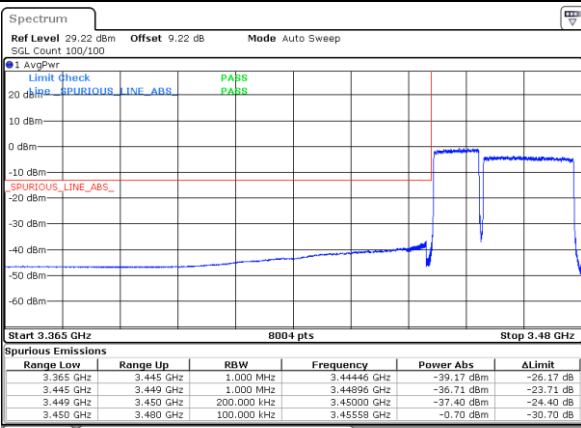


Date: 2.APR.2024 16:13:02

Date: 2.APR.2024 16:13:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 16:43:18

Date: 2.APR.2024 17:05:05

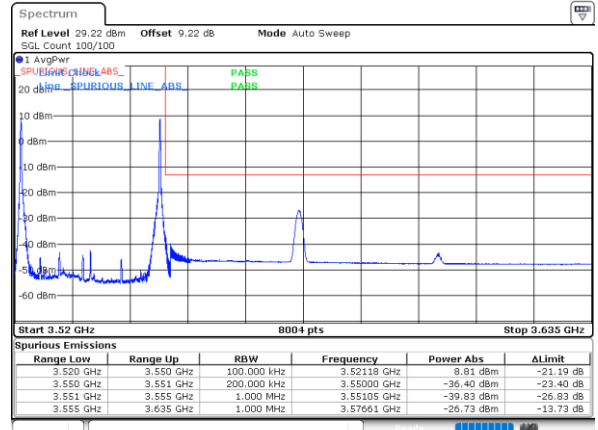
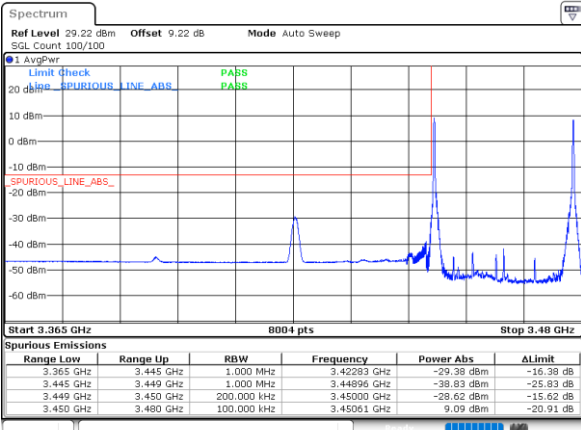


LTE Band 42C / 10MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

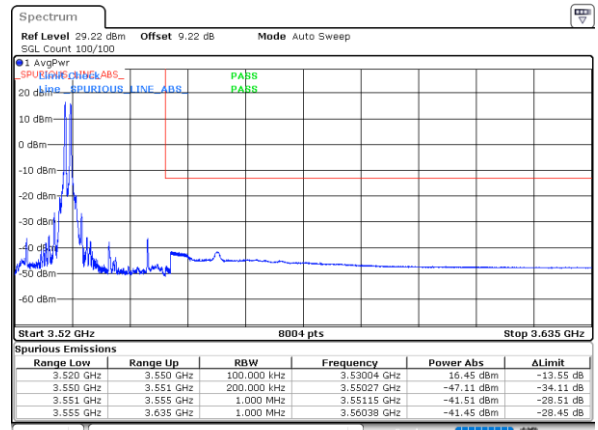
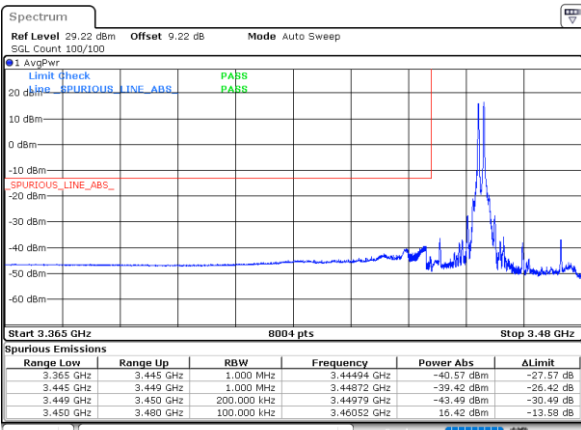


Date: 2.APR.2024 16:39:04

Date: 2.APR.2024 17:00:53

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

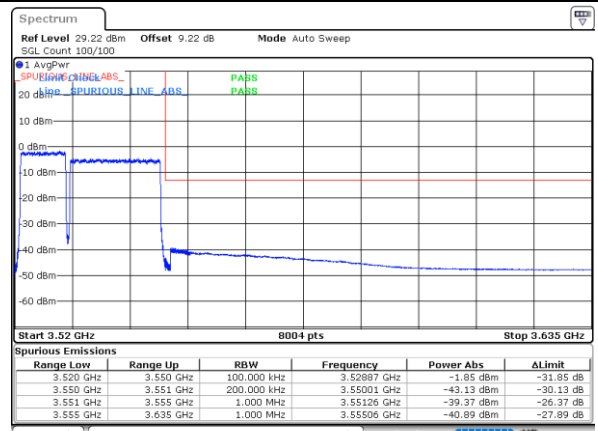
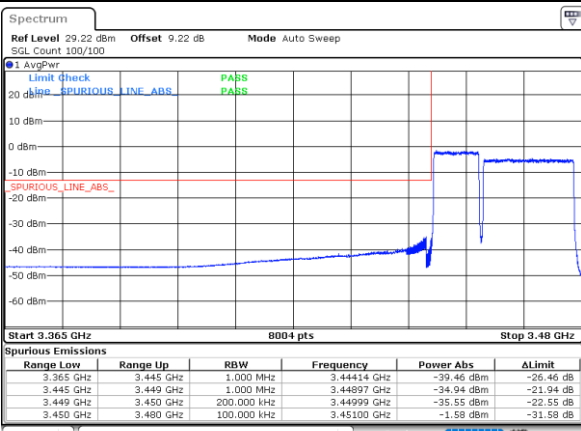


Date: 2.APR.2024 16:33:26

Date: 2.APR.2024 16:55:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 16:44:43

Date: 2.APR.2024 17:06:29

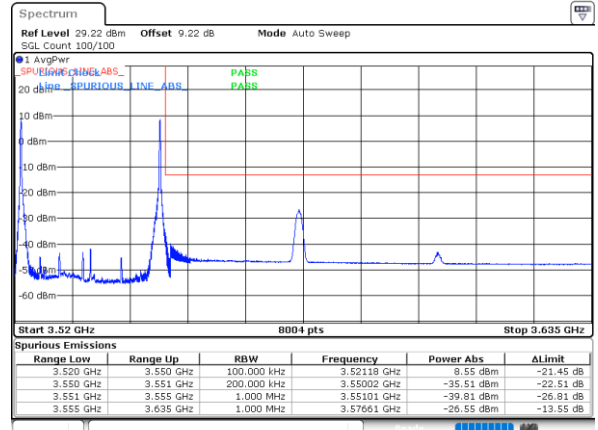
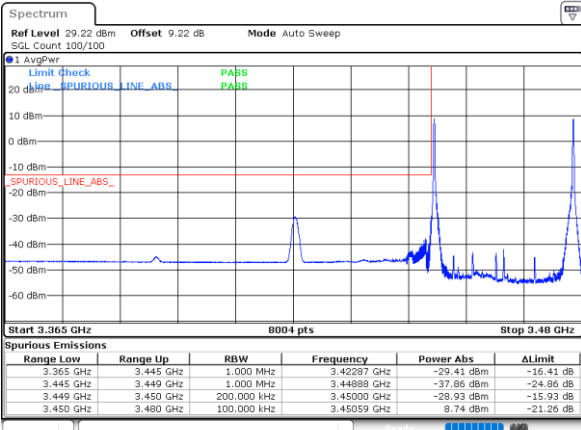


LTE Band 42C / 10MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

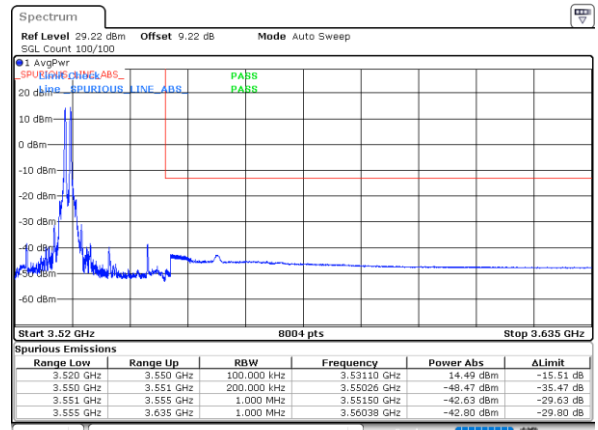
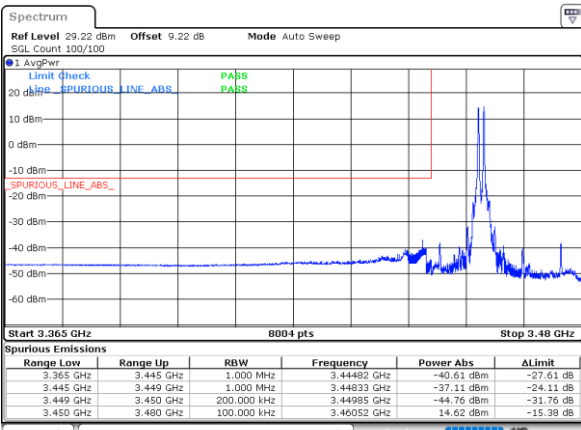


Date: 2.APR.2024 16:40:29

Date: 2.APR.2024 17:02:15

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

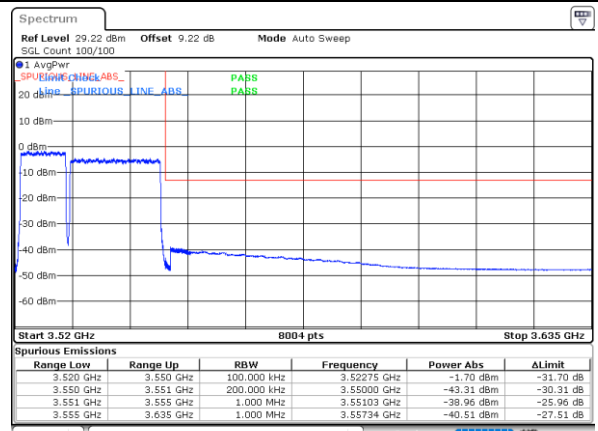
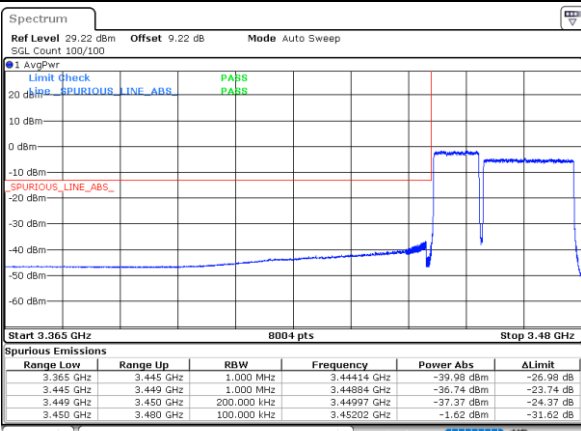


Date: 2.APR.2024 16:34:51

Date: 2.APR.2024 16:56:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 16:46:07

Date: 2.APR.2024 17:07:54

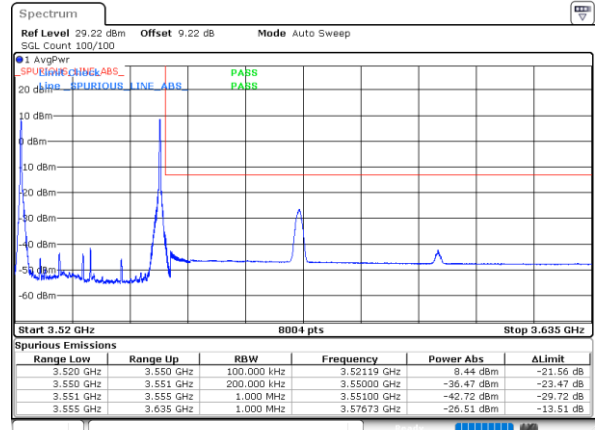
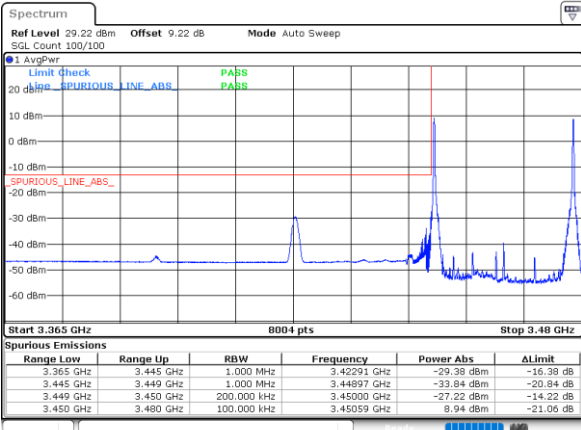


LTE Band 42C / 10MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

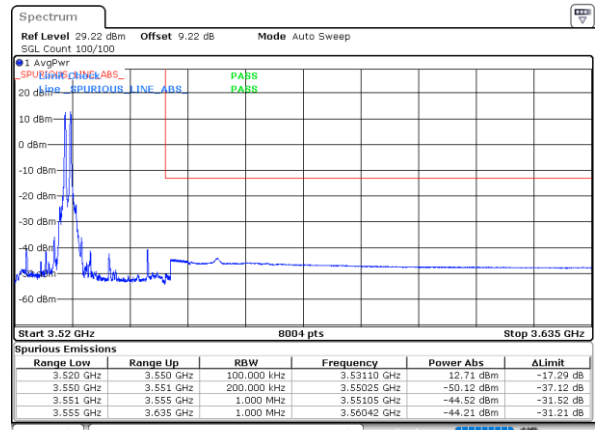
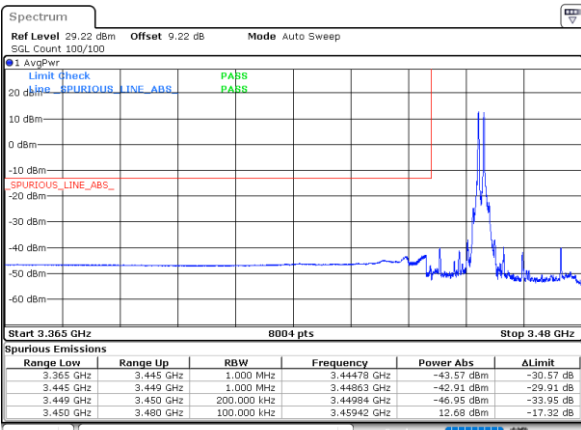


Date: 2.APR.2024 16:41:53

Date: 2.APR.2024 17:03:40

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

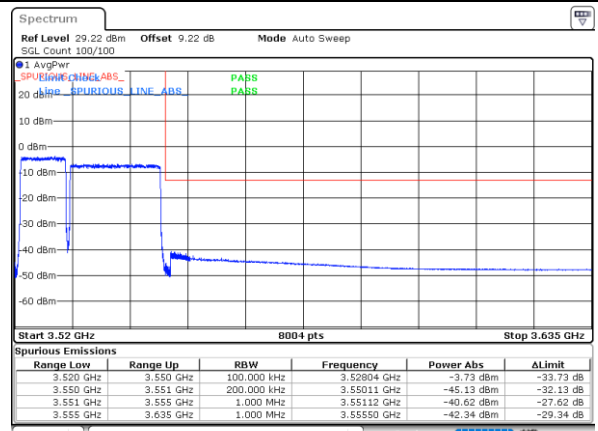
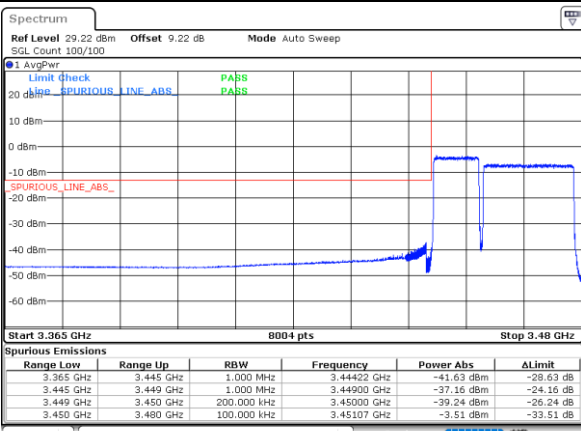


Date: 2.APR.2024 16:36:15

Date: 2.APR.2024 16:58:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 16:47:33

Date: 2.APR.2024 17:09:18

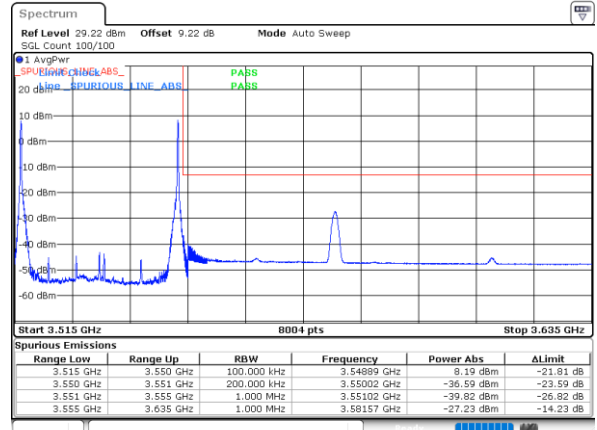
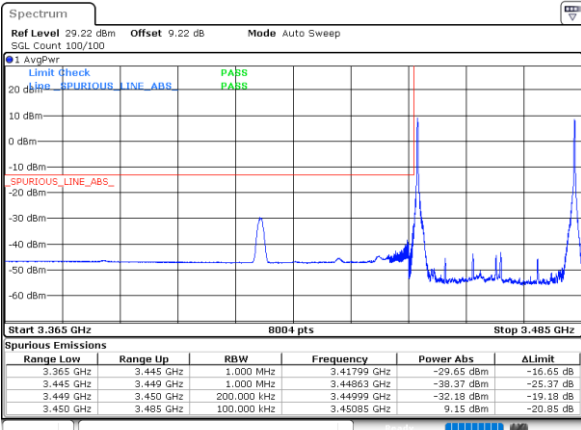


LTE Band 42C / 15MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

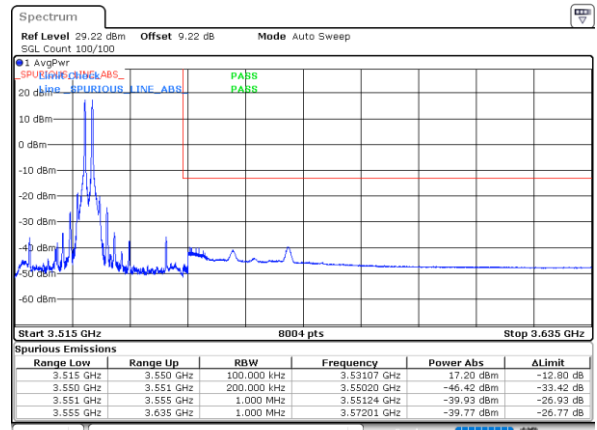
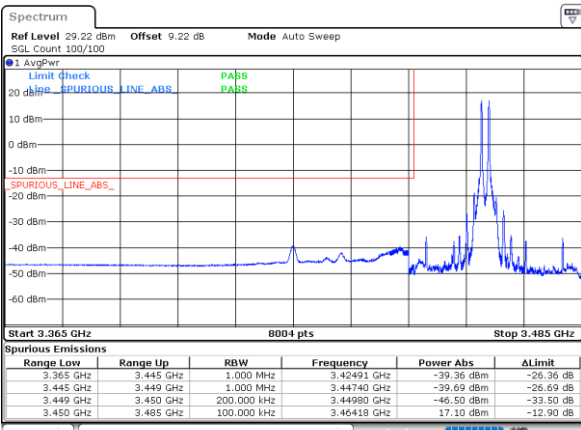


Date: 2.APR.2024 17:18:11

Date: 2.APR.2024 17:40:55

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

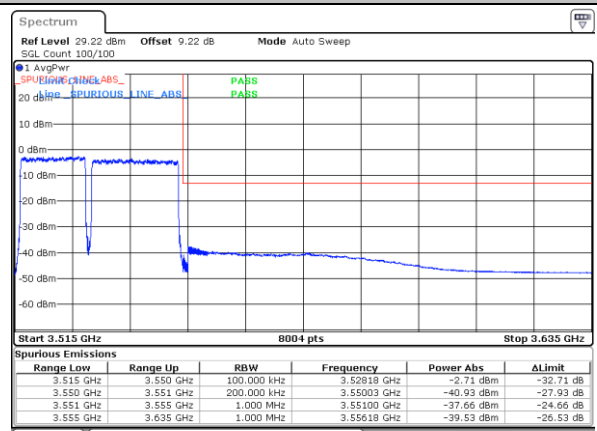
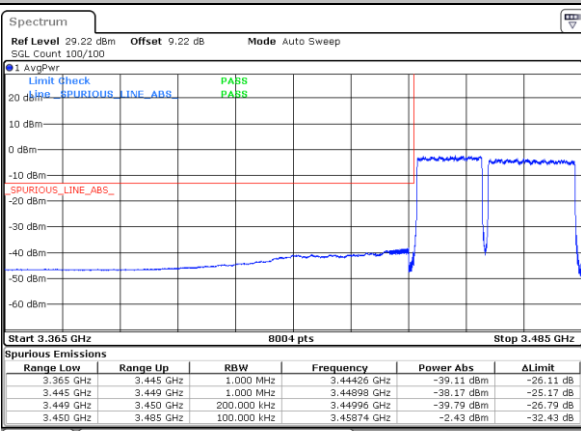


Date: 2.APR.2024 17:12:32

Date: 2.APR.2024 17:35:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 17:23:49

Date: 2.APR.2024 17:46:33

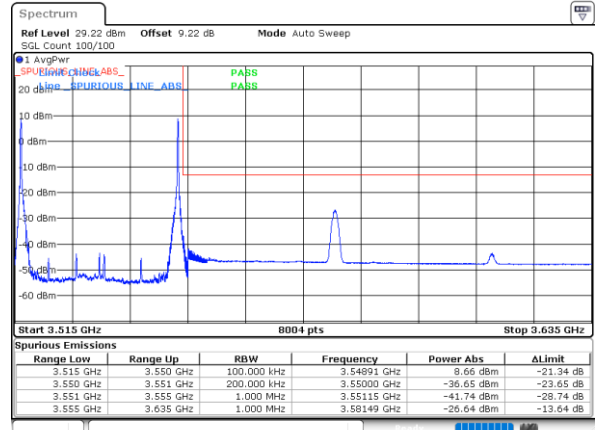
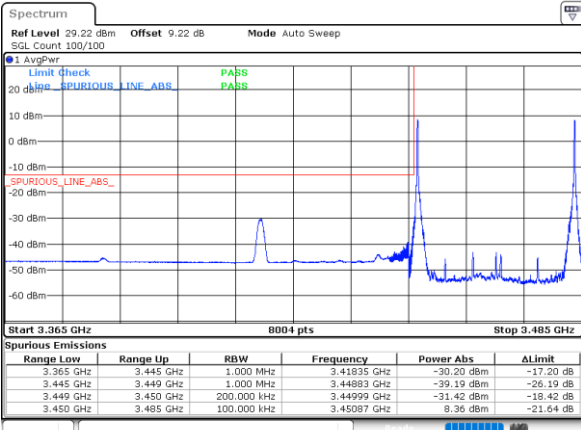


LTE Band 42C / 15MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

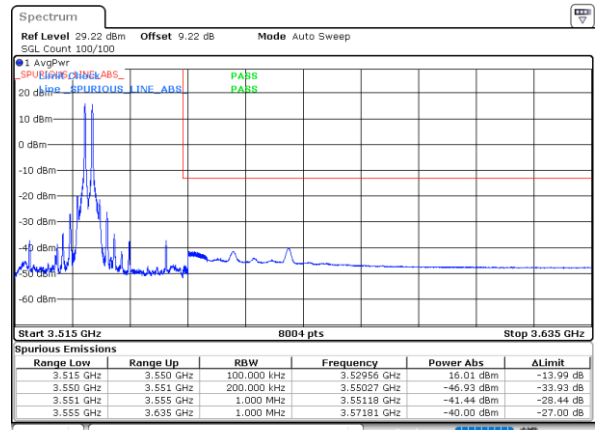
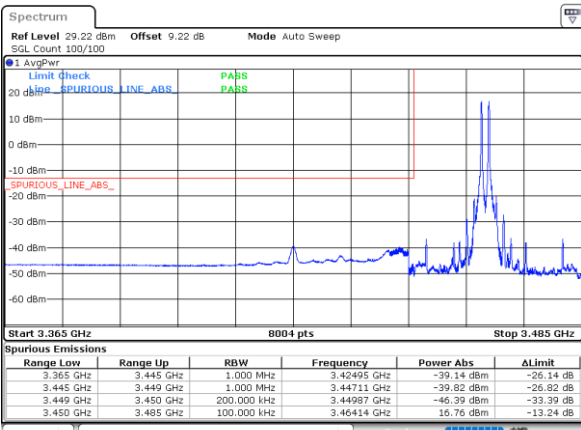


Date: 2.APR.2024 17:19:35

Date: 2.APR.2024 17:42:20

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

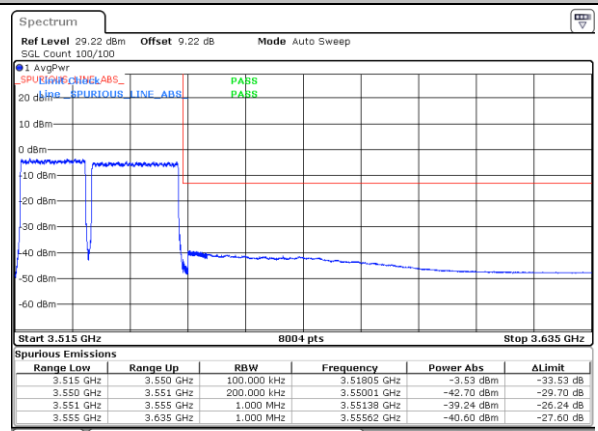
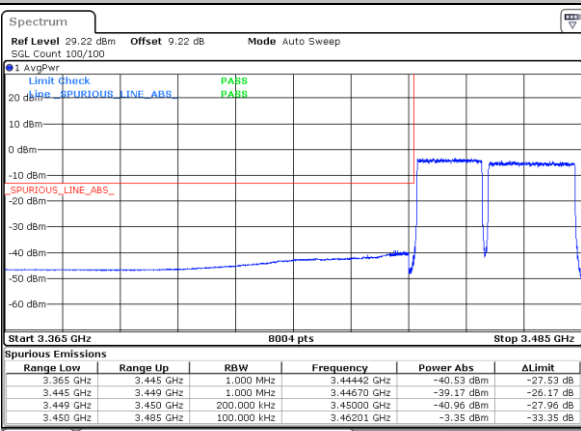


Date: 2.APR.2024 17:13:57

Date: 2.APR.2024 17:36:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 17:25:13

Date: 2.APR.2024 17:47:57

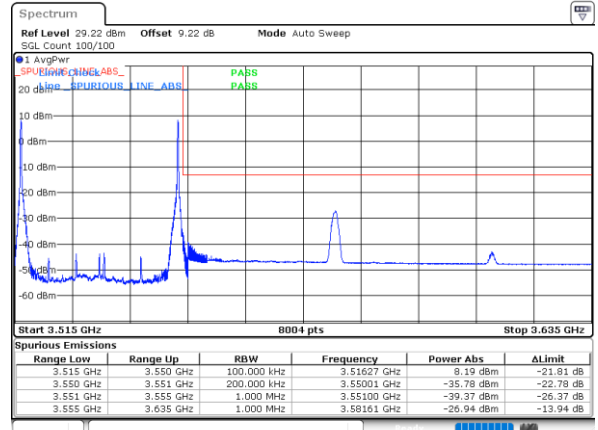
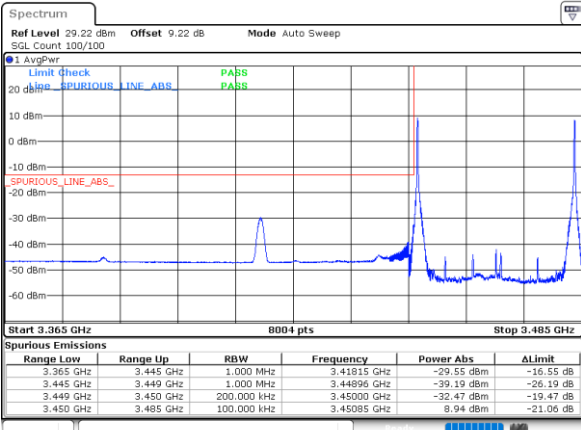


LTE Band 42C / 15MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

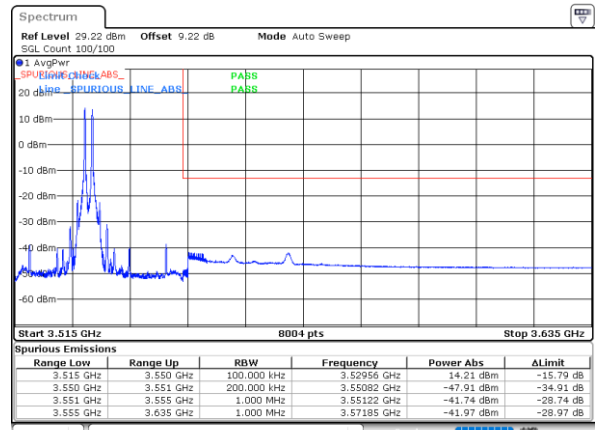
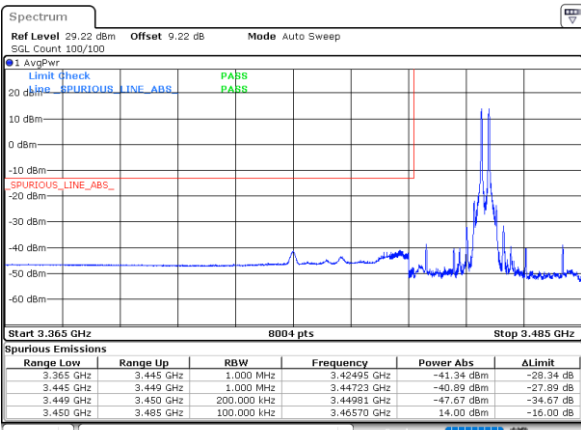


Date: 2.APR.2024 17:21:00

Date: 2.APR.2024 17:43:44

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

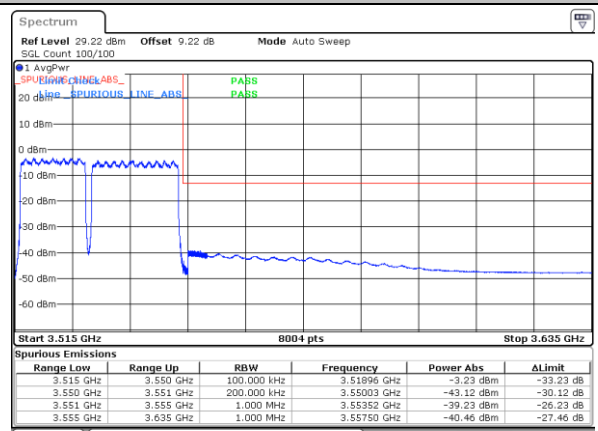
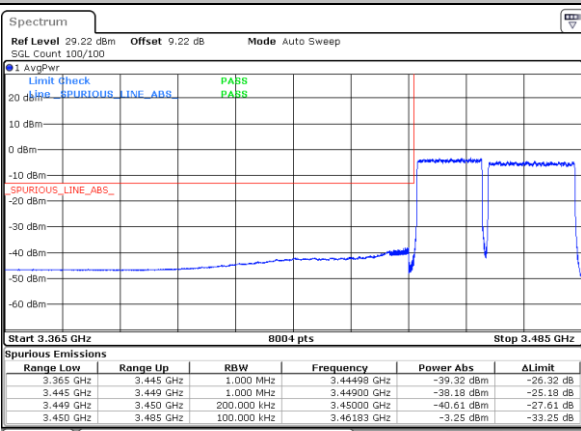


Date: 2.APR.2024 17:15:21

Date: 2.APR.2024 17:38:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 17:26:18

Date: 2.APR.2024 17:49:21

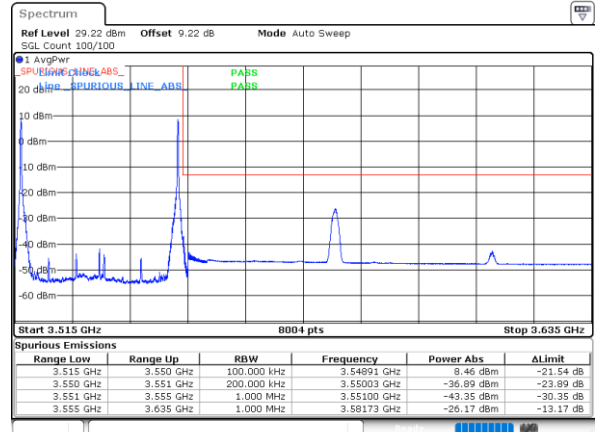
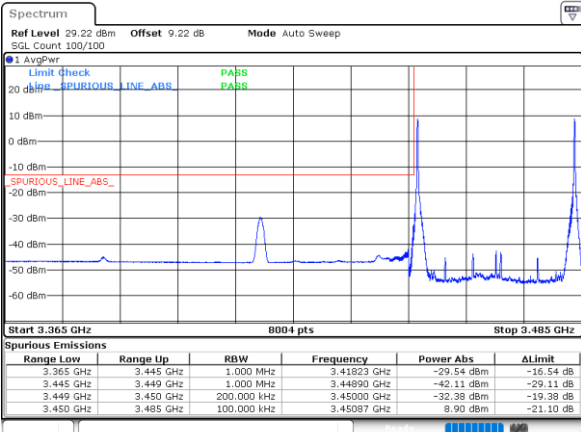


LTE Band 42C / 15MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

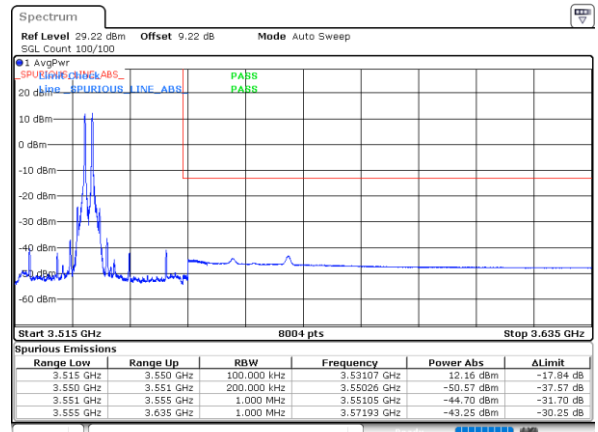
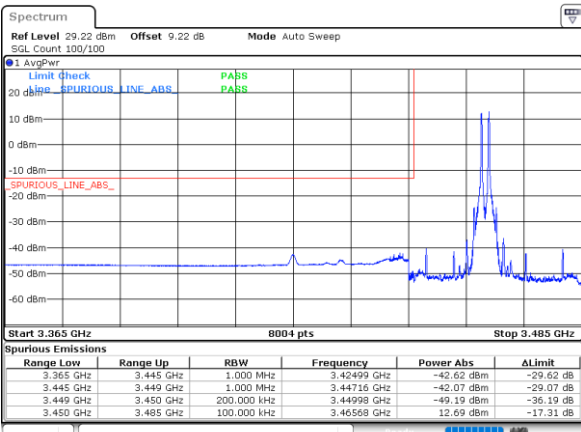


Date: 2.APR.2024 17:22:24

Date: 2.APR.2024 17:45:08

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

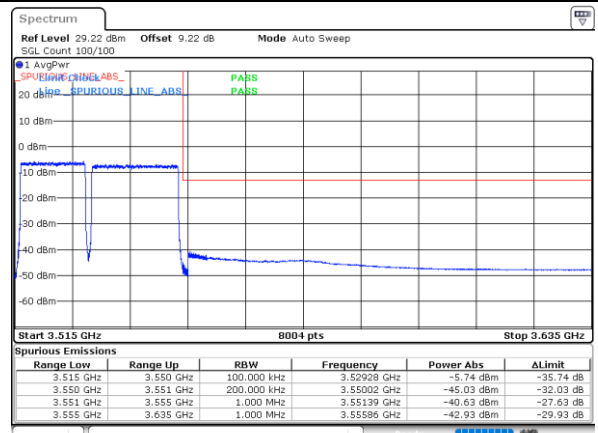
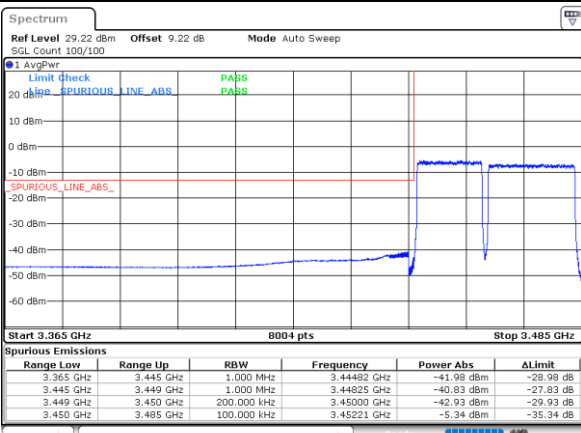


Date: 2.APR.2024 17:16:46

Date: 2.APR.2024 17:39:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 17:28:02

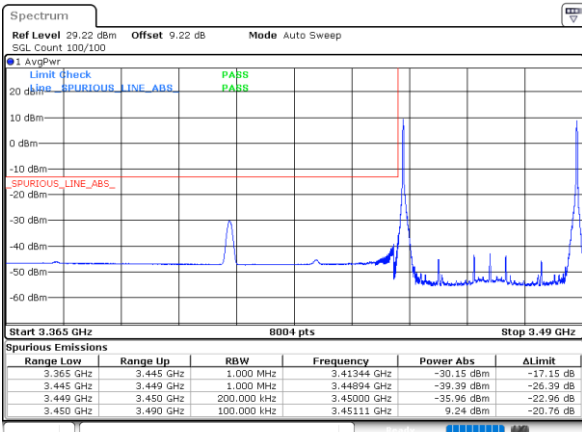
Date: 2.APR.2024 17:50:46



LTE Band 42C / 20MHz+20MHz

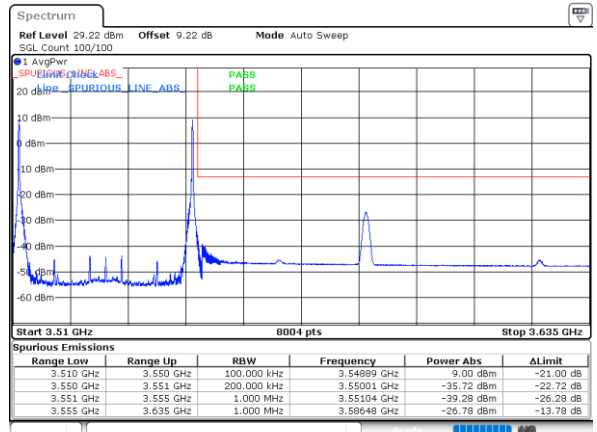
QPSK

Lowest Band Edge / 1RB0 and 1RB99



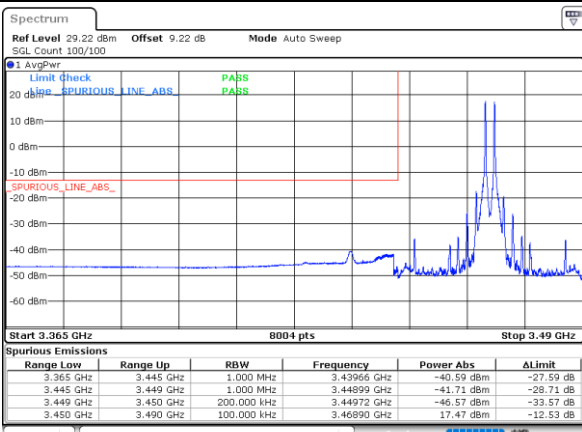
Date: 2.APR.2024 20:28:21

Highest Band Edge / 1RB0 and 1RB99



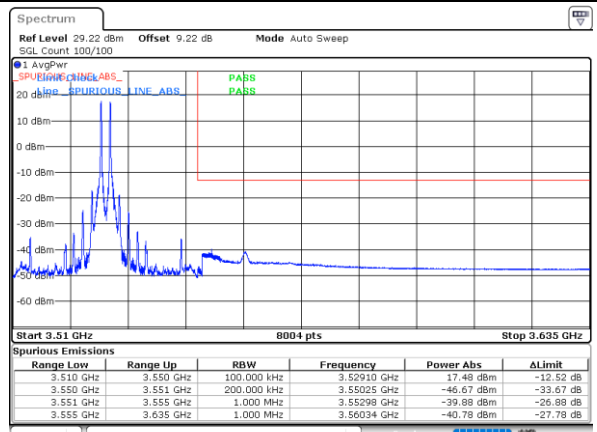
Date: 2.APR.2024 20:49:47

Lowest Band Edge / 1RB99 and 1RB0



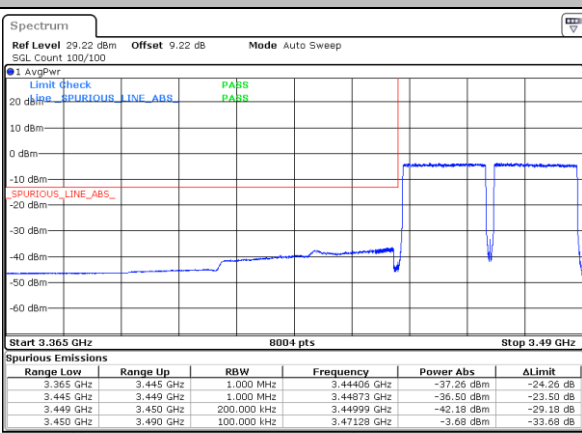
Date: 2.APR.2024 20:22:49

Highest Band Edge / 1RB99 and 1RB0



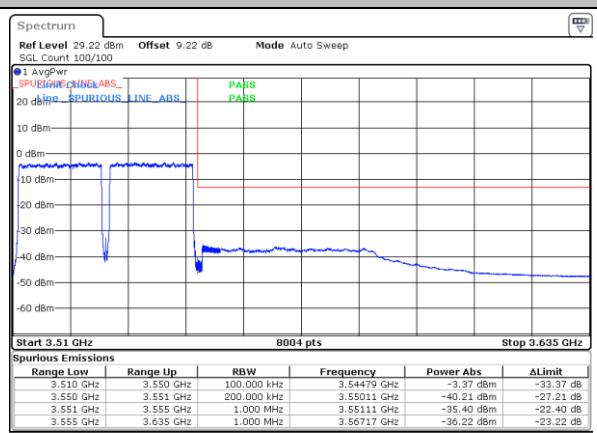
Date: 2.APR.2024 20:44:16

Lowest Band Edge / Full RB



Date: 2.APR.2024 20:33:53

Highest Band Edge / Full RB



Date: 2.APR.2024 20:55:18

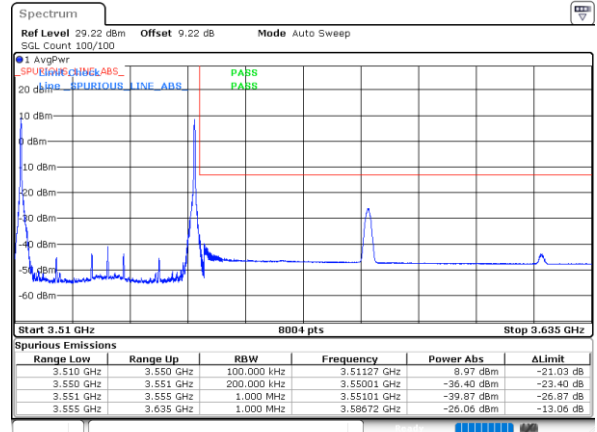
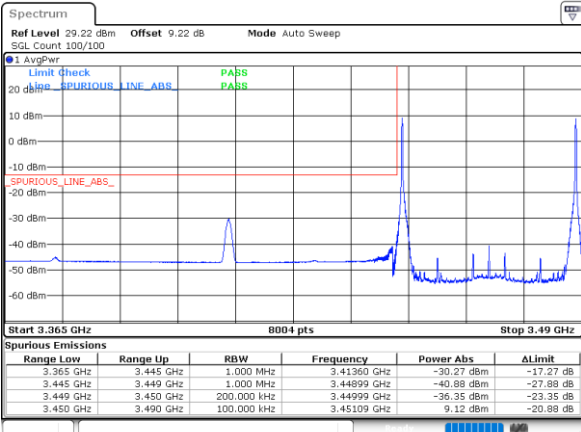


LTE Band 42C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

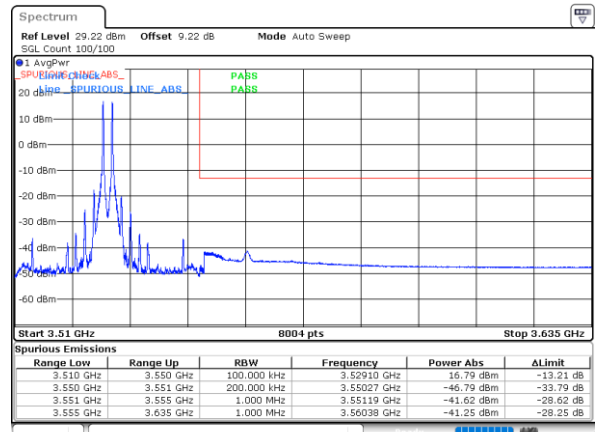
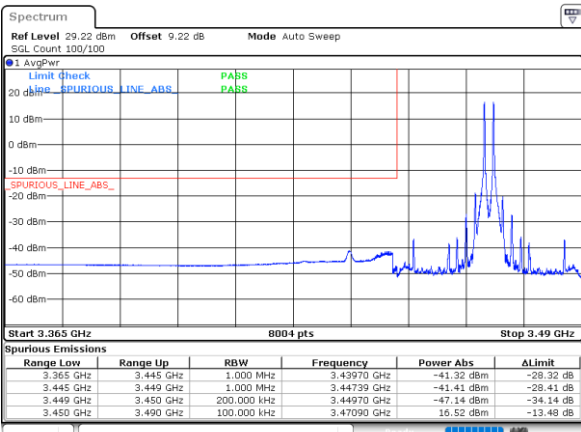


Date: 2.APR.2024 20:29:44

Date: 2.APR.2024 20:51:09

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

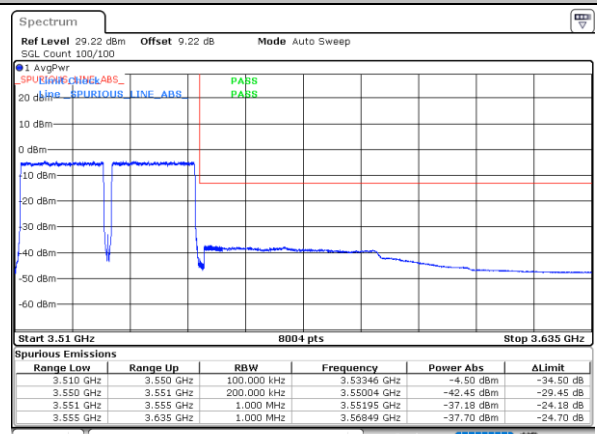
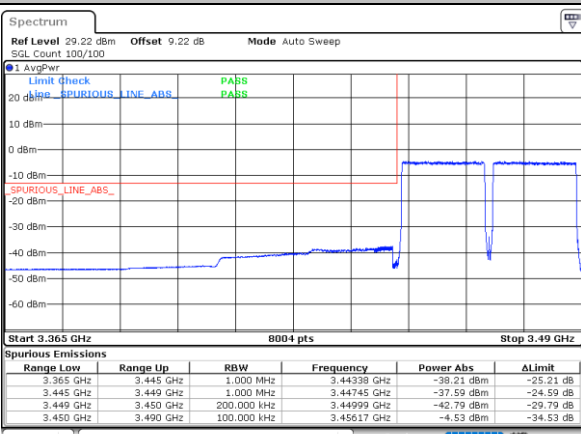


Date: 2.APR.2024 20:24:12

Date: 2.APR.2024 20:45:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.APR.2024 20:35:15

Date: 2.APR.2024 20:56:41