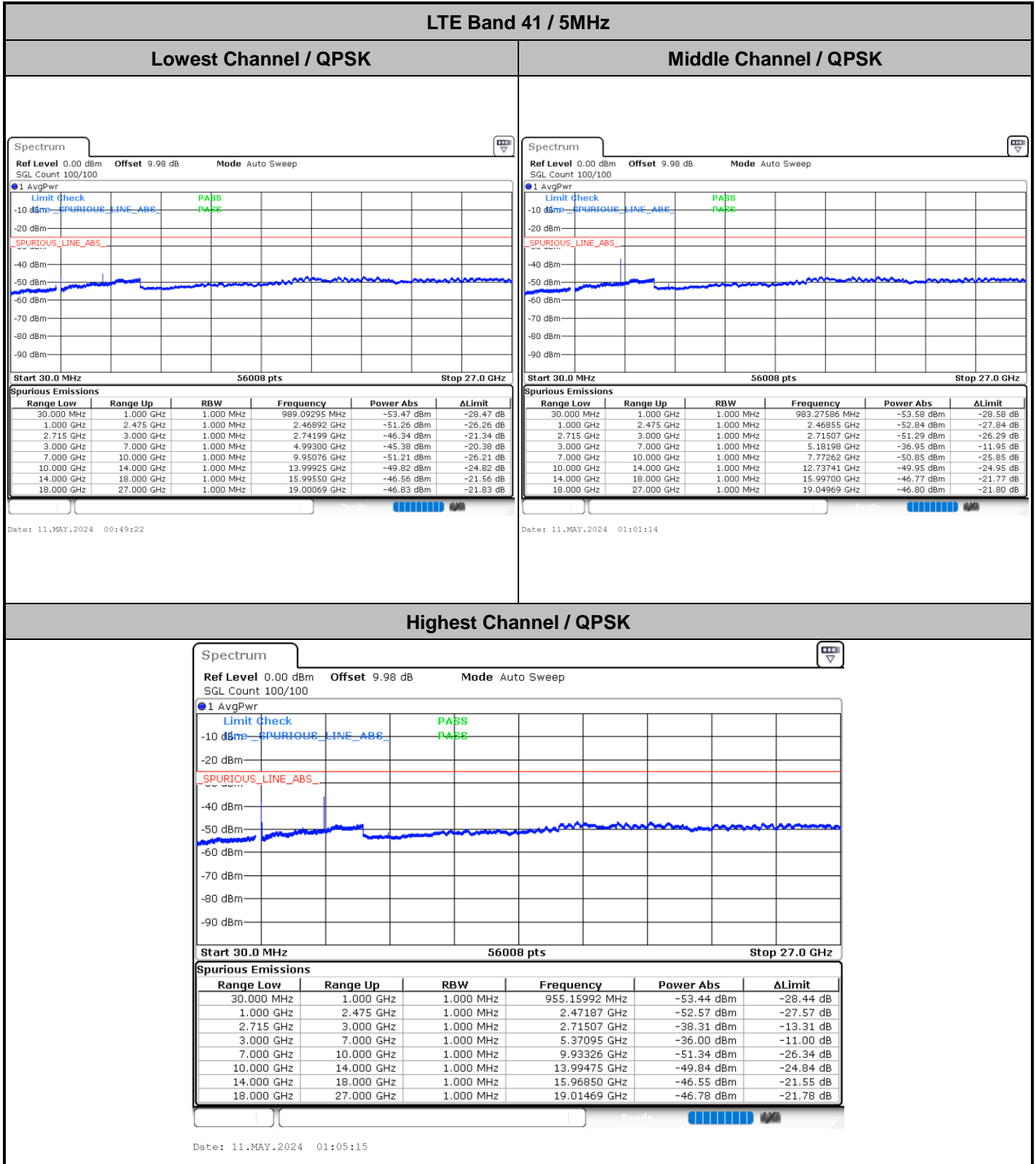




Conducted Spurious Emission

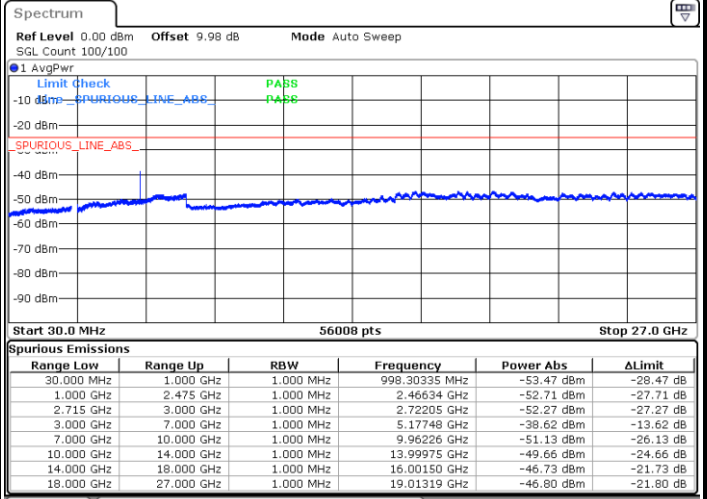
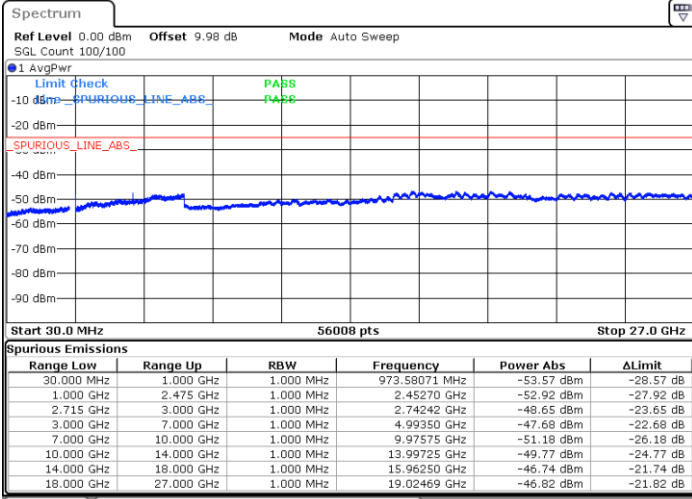




LTE Band 41 / 10MHz

Lowest Channel / QPSK

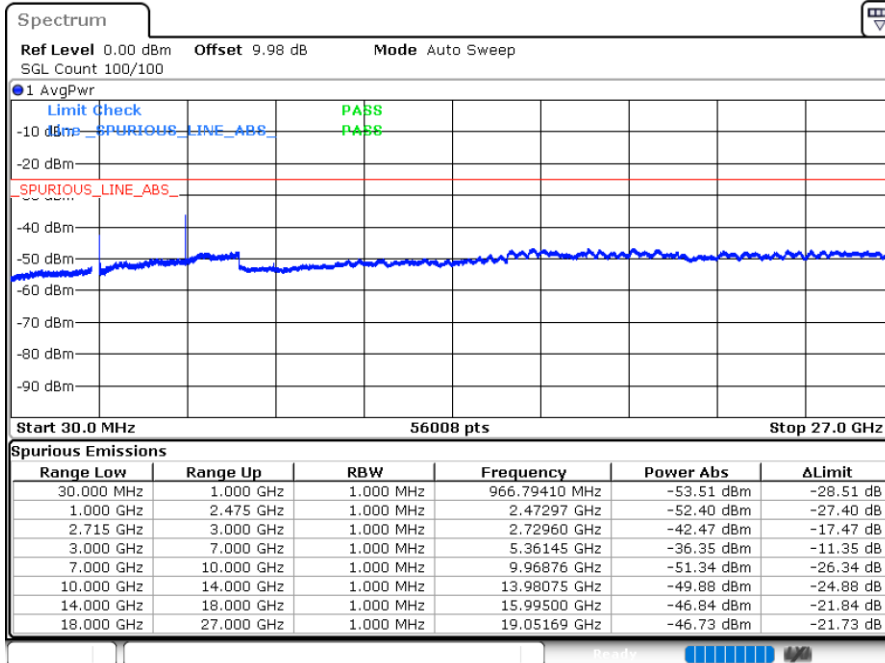
Middle Channel / QPSK



Date: 11.MAY.2024 01:17:51

Date: 11.MAY.2024 01:30:23

Highest Channel / QPSK



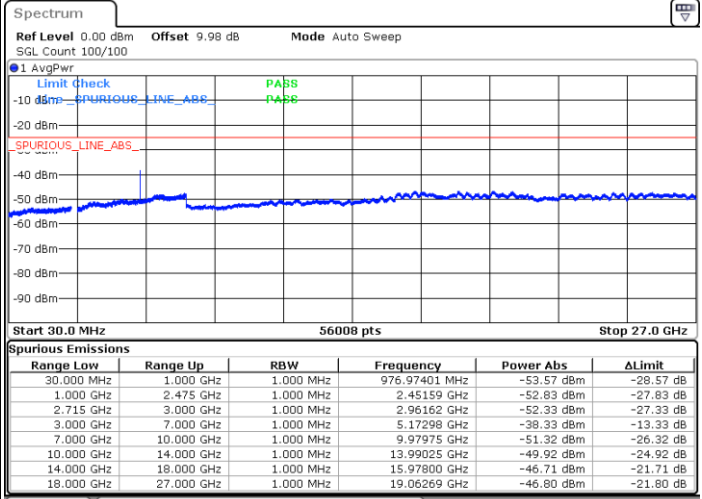
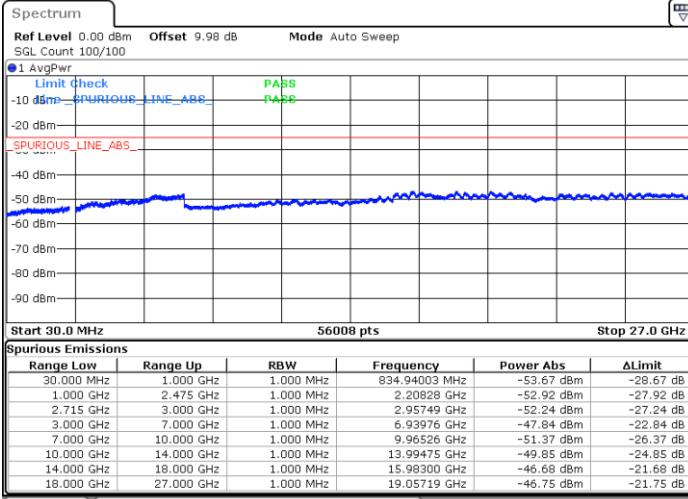
Date: 11.MAY.2024 01:32:03



LTE Band 41 / 15MHz

Lowest Channel / QPSK

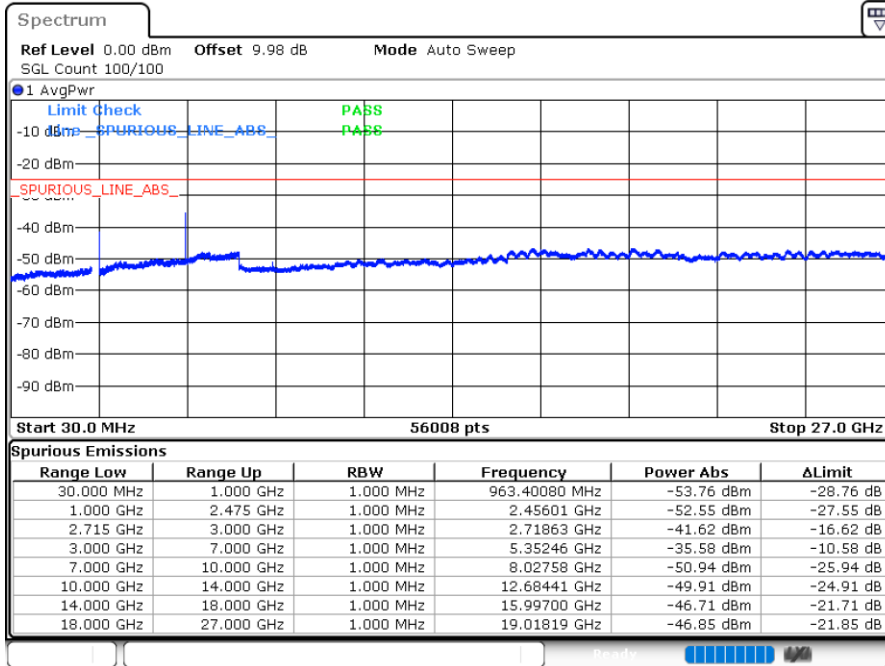
Middle Channel / QPSK



Date: 11.MAY.2024 01:40:22

Date: 11.MAY.2024 01:52:19

Highest Channel / QPSK



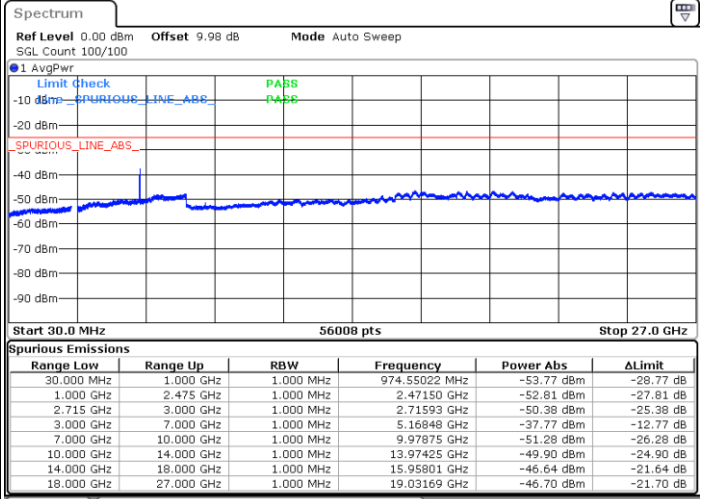
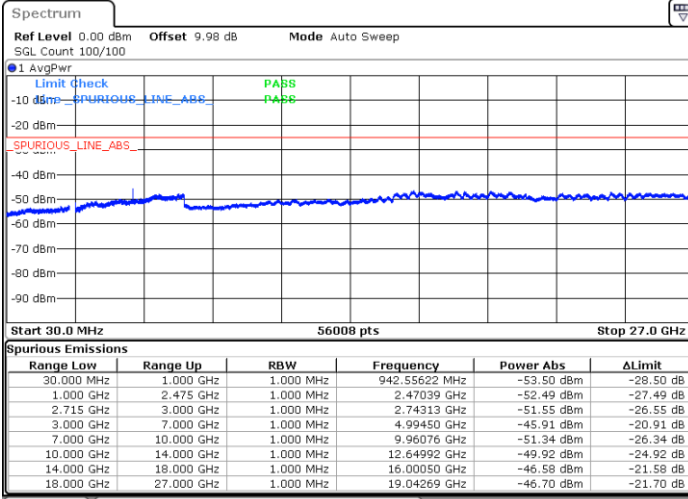
Date: 11.MAY.2024 01:53:59



LTE Band 41 / 20MHz

Lowest Channel / QPSK

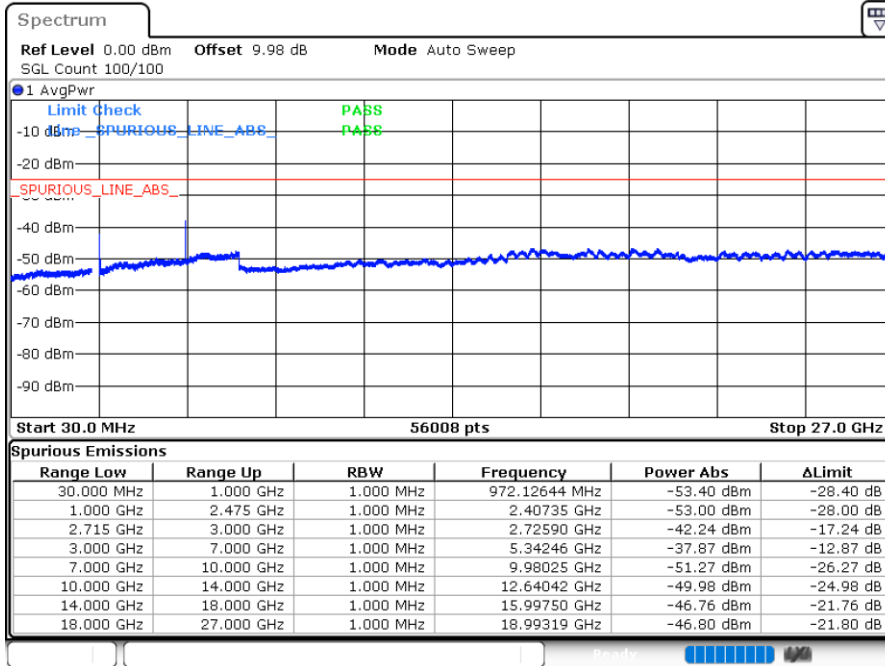
Middle Channel / QPSK



Date: 11.MAY.2024 02:10:16

Date: 11.MAY.2024 02:19:54

Highest Channel / QPSK



Date: 11.MAY.2024 02:21:34



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0078	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

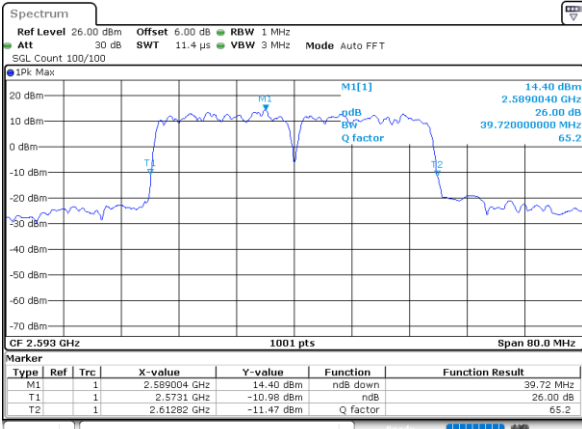
26dB Bandwidth

Mode	LTE Band 41-CA : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	39.72	40.12
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	35.04	34.90
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	29.97	29.97
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	24..98	24.83
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	35.04	34.90
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	30.69	30.51
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	25.28	25.28
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	29.91	29.97
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	25.43	25.28
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	24.88	24.93



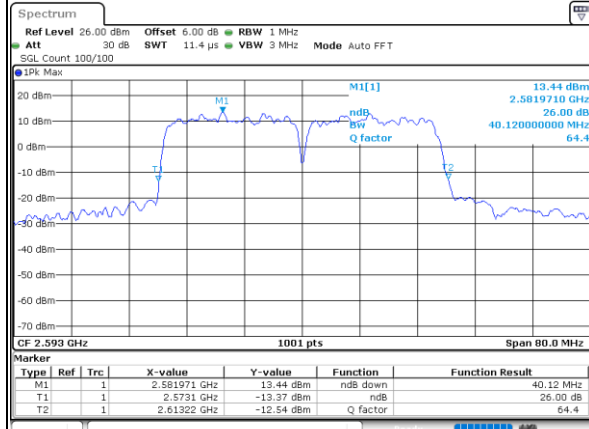
LTE Band 41

Middle Channel / 20MHz+20MHz / QPSK



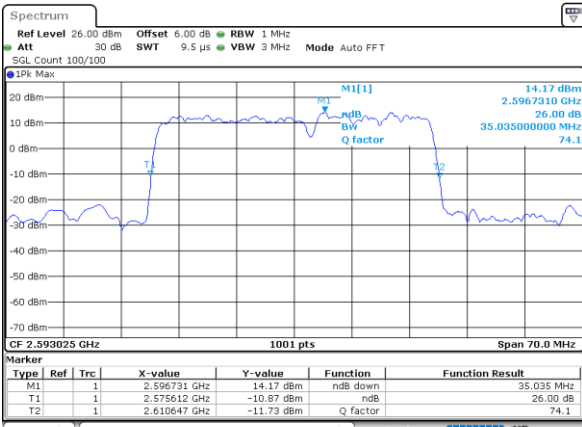
Date: 21.MAY.2024 14:20:44

Middle Channel / 20MHz+20MHz / 16QAM



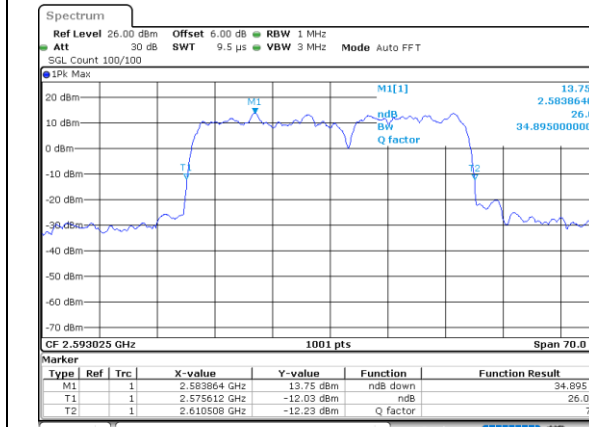
Date: 21.MAY.2024 14:20:16

Middle Channel / 20MHz+15MHz / QPSK



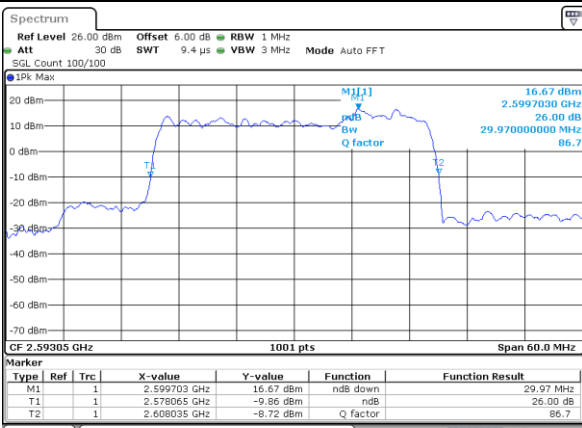
Date: 21.MAY.2024 14:16:51

Middle Channel / 20MHz+15MHz / 16QAM



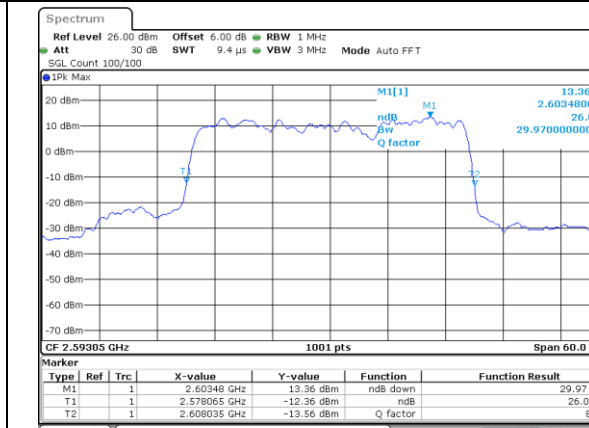
Date: 21.MAY.2024 14:17:18

Middle Channel / 20MHz+10MHz / QPSK



Date: 21.MAY.2024 14:02:21

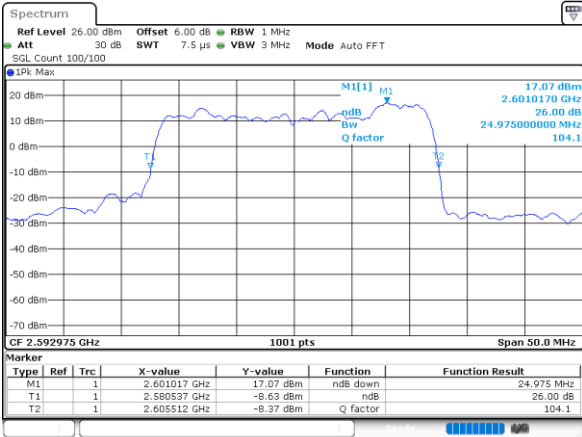
Middle Channel / 20MHz+10MHz / 16QAM



Date: 21.MAY.2024 14:01:54

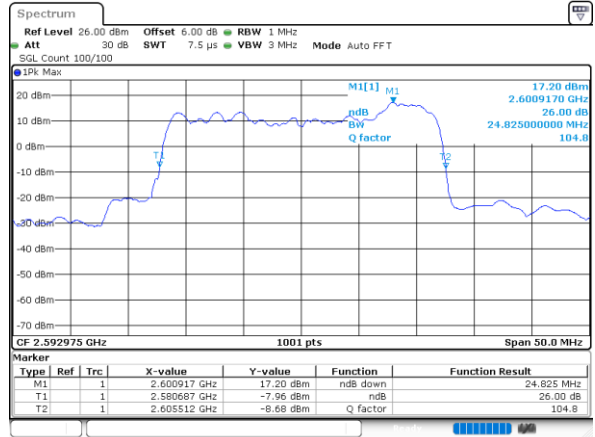


Middle Channel / 20MHz+5MHz / QPSK



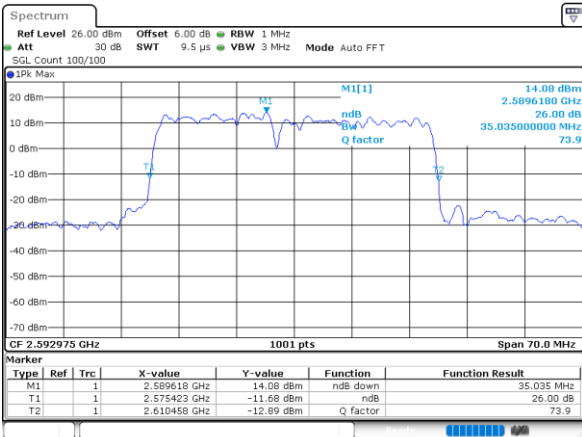
Date: 21.MAY.2024 13:40:44

Middle Channel / 20MHz+5MHz / 16QAM



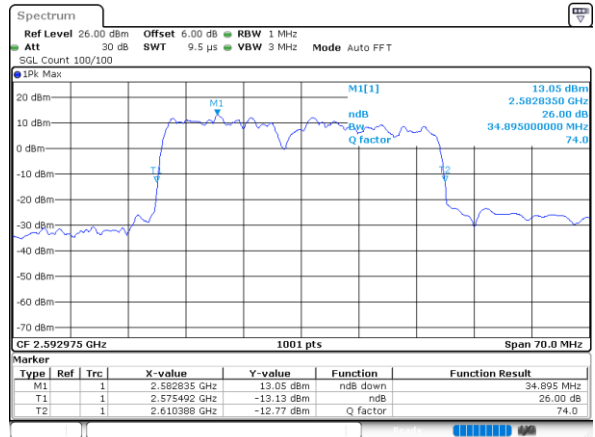
Date: 21.MAY.2024 13:40:17

Middle Channel / 15MHz+20MHz / QPSK



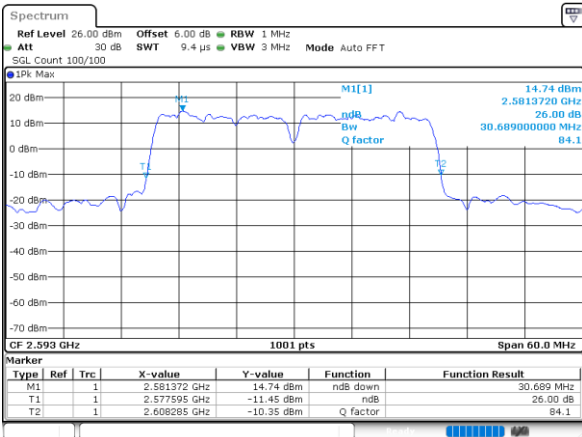
Date: 21.MAY.2024 14:14:33

Middle Channel / 15MHz+20MHz / 16QAM



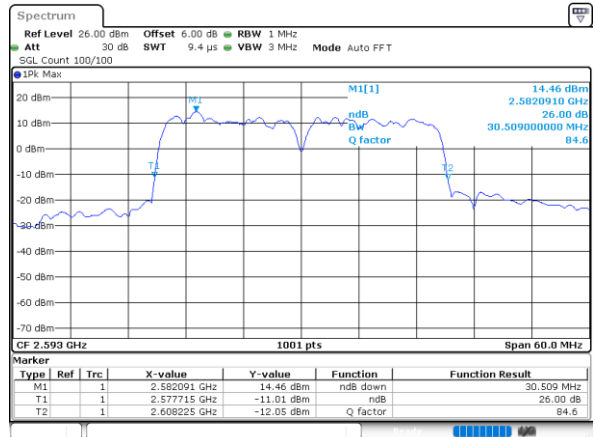
Date: 21.MAY.2024 14:14:06

Middle Channel / 15MHz+15MHz / QPSK



Date: 21.MAY.2024 14:10:59

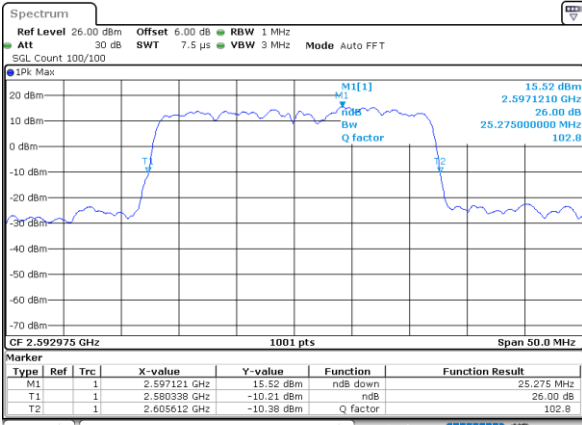
Middle Channel / 15MHz+15MHz / 16QAM



Date: 21.MAY.2024 14:11:26

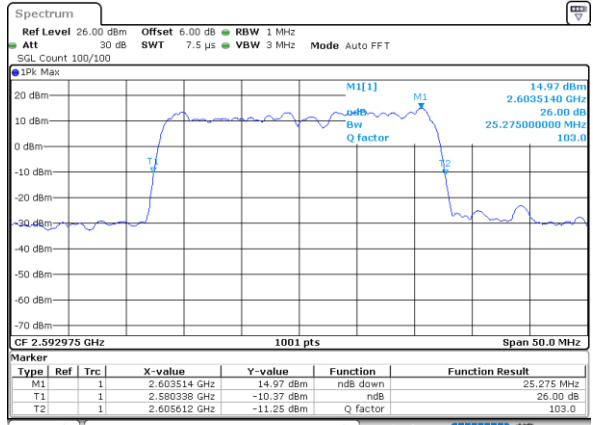


Middle Channel / 15MHz+10MHz / QPSK



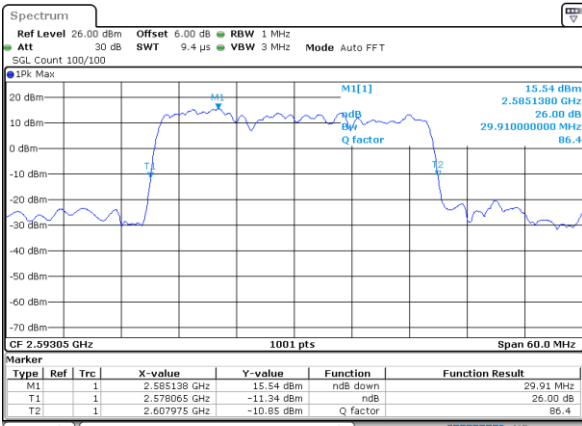
Date: 21.MAY.2024 13:47:36

Middle Channel / 15MHz+10MHz / 16QAM



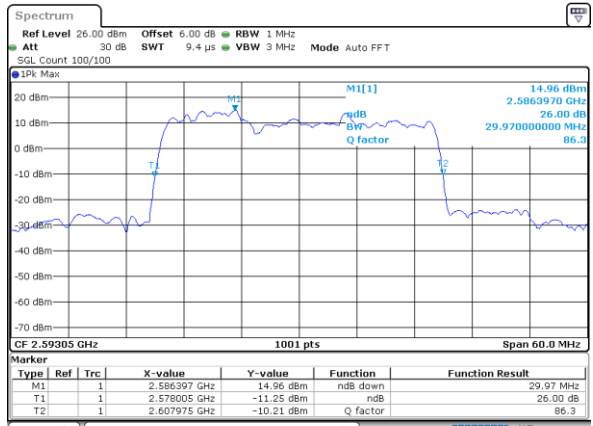
Date: 21.MAY.2024 13:47:08

Middle Channel / 10MHz+20MHz / QPSK



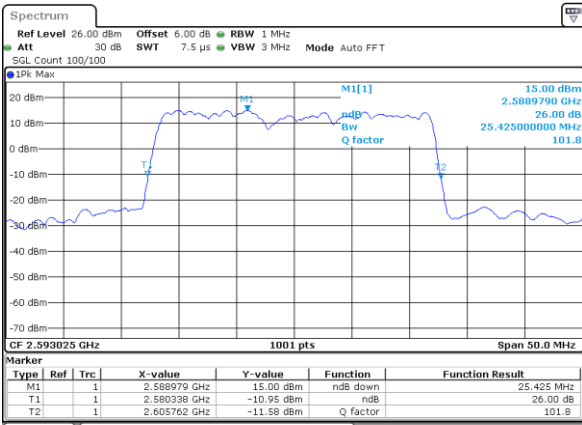
Date: 21.MAY.2024 13:51:06

Middle Channel / 10MHz+20MHz / 16QAM



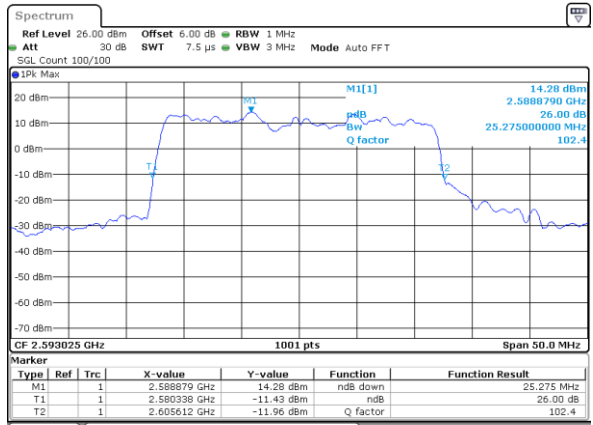
Date: 21.MAY.2024 13:51:34

Middle Channel / 10MHz+15MHz / QPSK

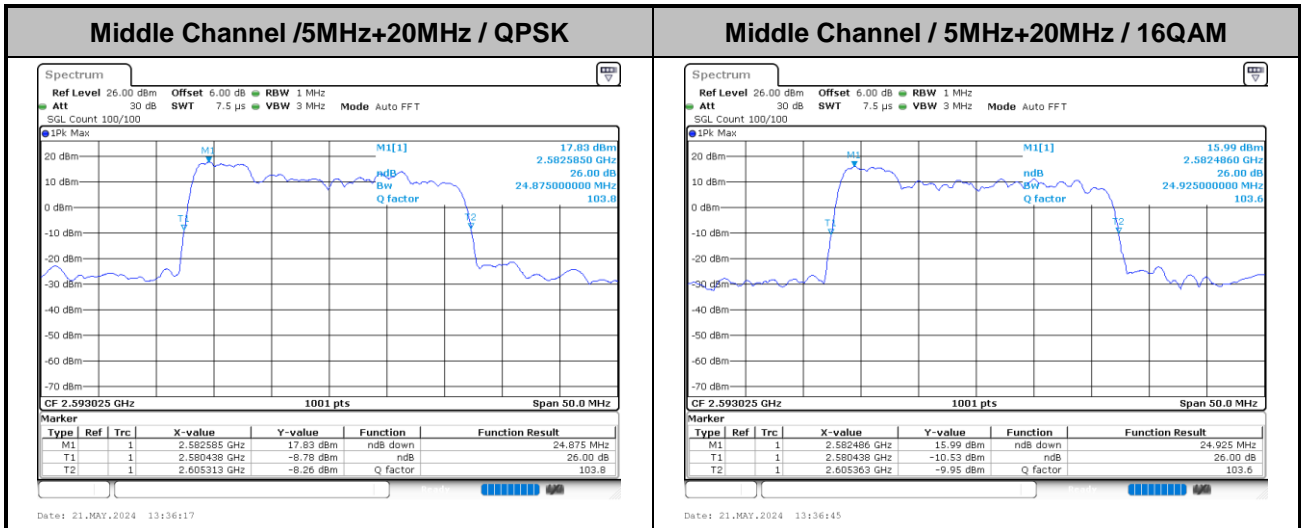


Date: 21.MAY.2024 13:43:54

Middle Channel / 10MHz+15MHz / 16QAM



Date: 21.MAY.2024 13:44:22





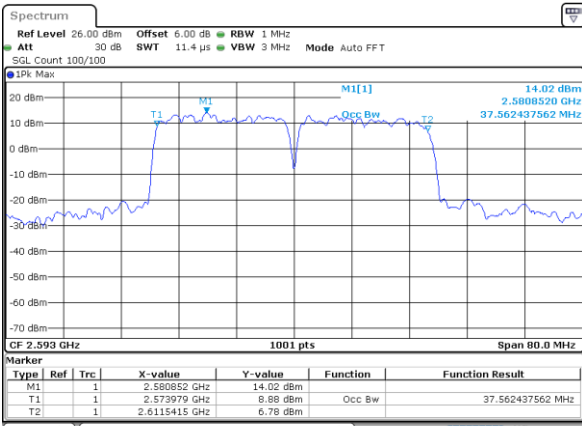
Occupied Bandwidth

Mode	LTE Band 41-CA : 99%OBW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	37.56	37.72
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	32.80	32.80
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	28.11	28.17
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	23.38	23.53
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	32.80	33.01
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	28.71	28.77
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	23.43	23.43
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	27.99	27.87
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	23.53	23.48
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	23.23	23.28



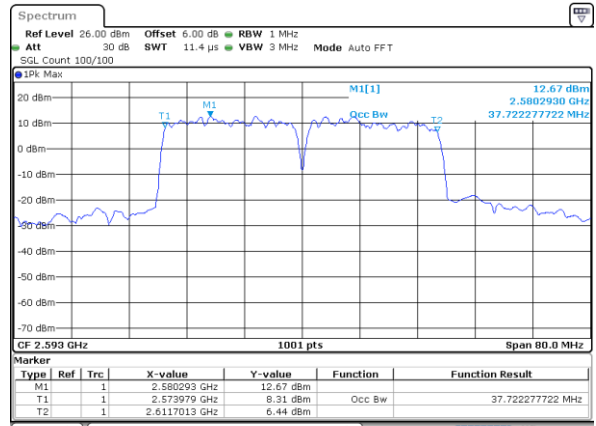
LTE Band 41

Middle Channel / 20MHz+20MHz / QPSK



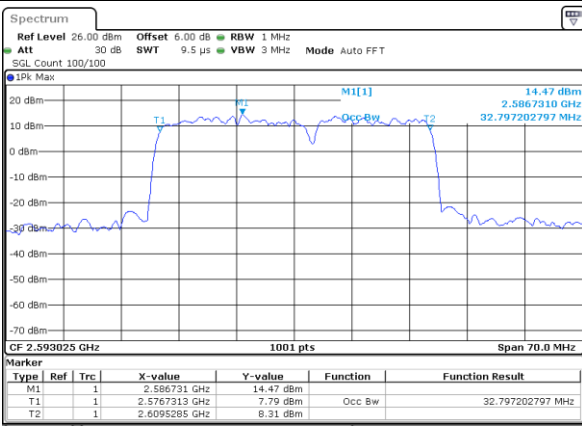
Date: 21.MAY.2024 14:21:11

Middle Channel / 20MHz+20MHz / 16QAM



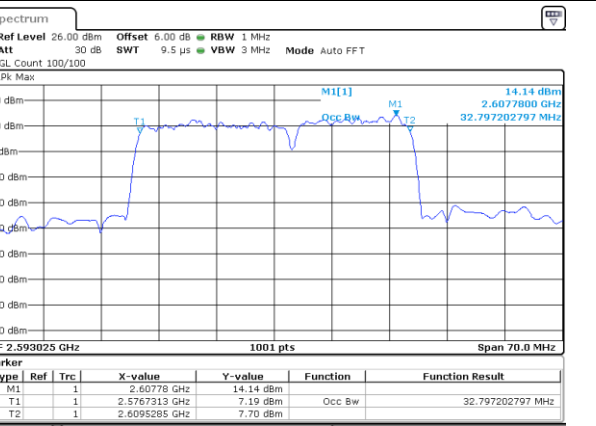
Date: 21.MAY.2024 14:19:49

Middle Channel / 20MHz+15MHz / QPSK



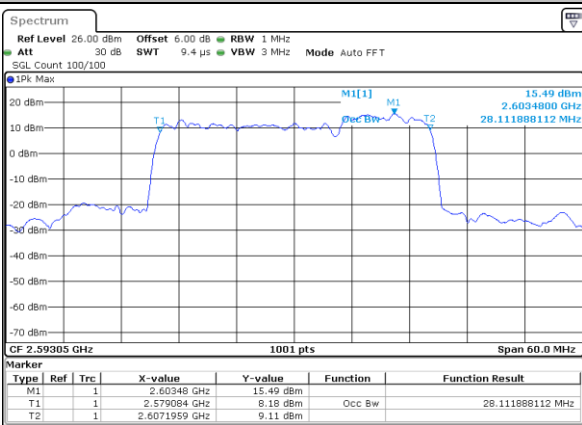
Date: 21.MAY.2024 14:16:23

Middle Channel / 20MHz+15MHz / 16QAM



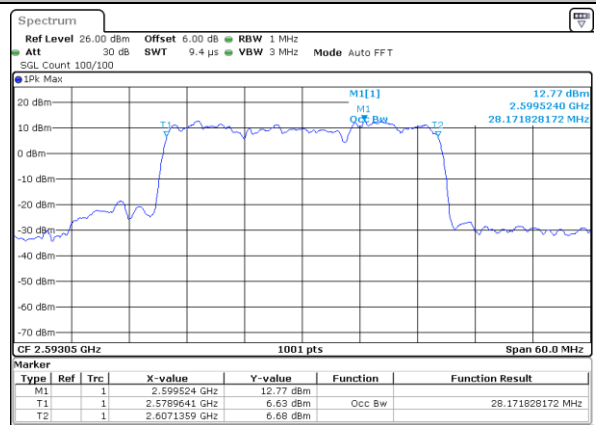
Date: 21.MAY.2024 14:17:45

Middle Channel / 20MHz+10MHz / QPSK



Date: 21.MAY.2024 14:02:48

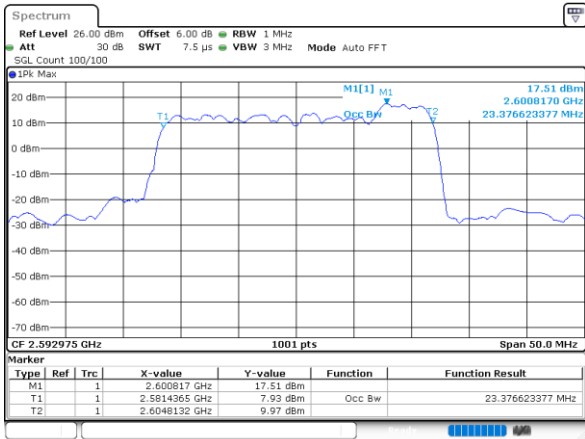
Middle Channel / 20MHz+10MHz / 16QAM



Date: 21.MAY.2024 14:01:27

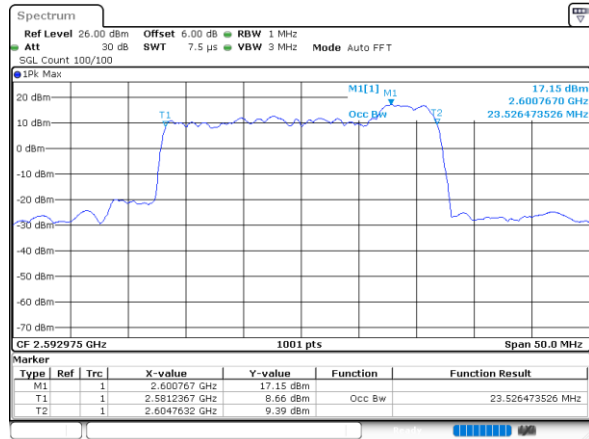


Middle Channel / 20MHz+5MHz / QPSK



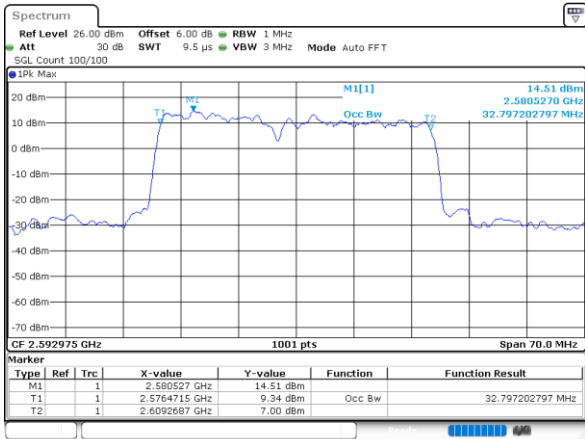
Date: 21.MAY.2024 13:41:11

Middle Channel / 20MHz+5MHz / 16QAM



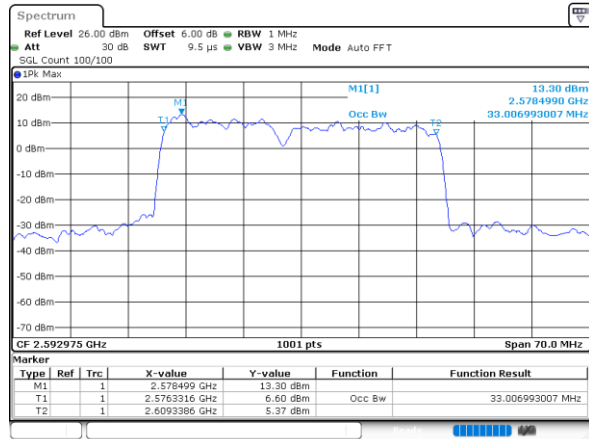
Date: 21.MAY.2024 13:39:50

Middle Channel / 15MHz+20MHz / QPSK



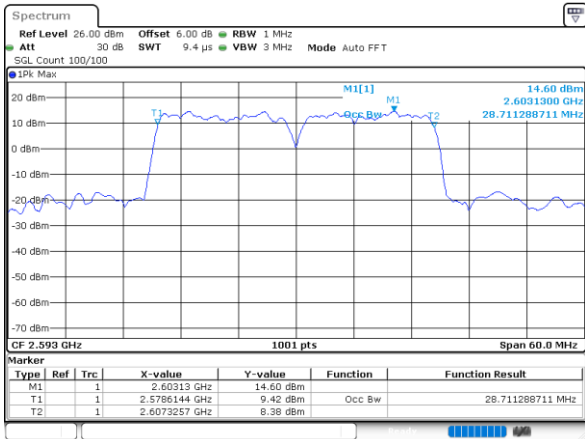
Date: 21.MAY.2024 14:15:00

Middle Channel / 15MHz+20MHz / 16QAM



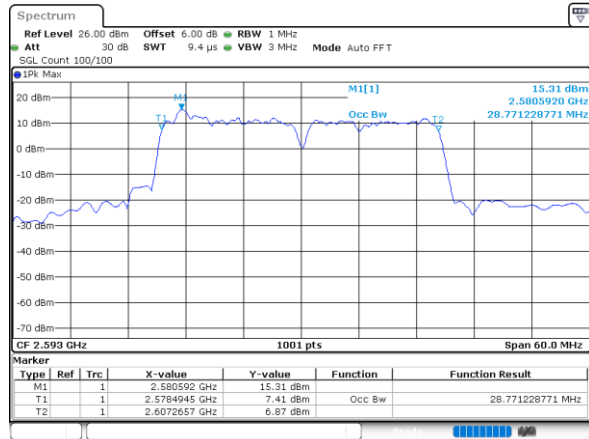
Date: 21.MAY.2024 14:13:39

Middle Channel / 15MHz+15MHz / QPSK



Date: 21.MAY.2024 14:10:31

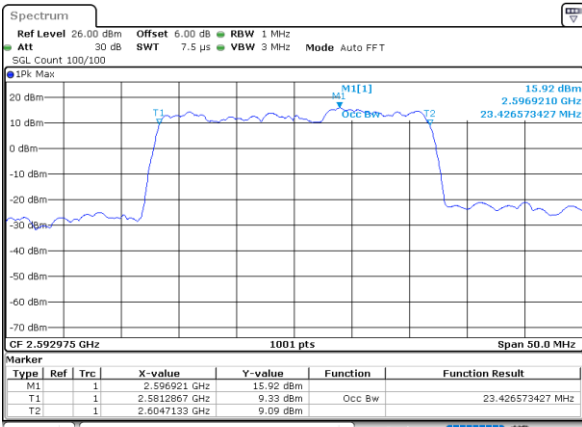
Middle Channel / 15MHz+15MHz / 16QAM



Date: 21.MAY.2024 14:11:53

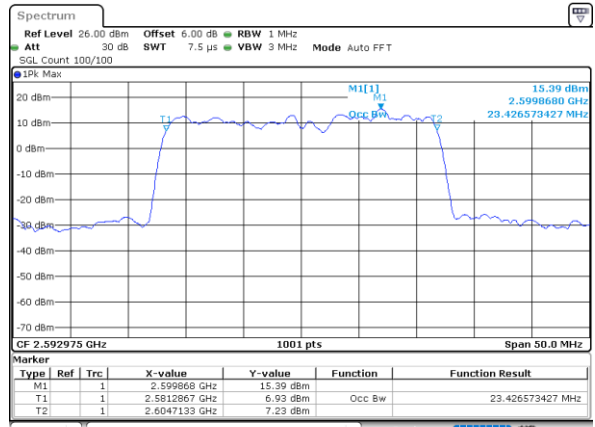


Middle Channel / 15MHz+10MHz / QPSK



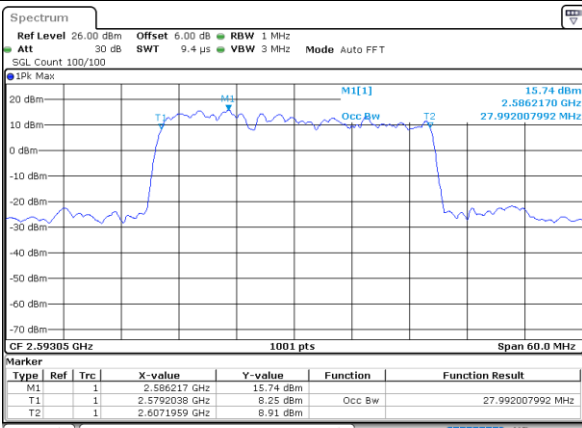
Date: 21.MAY.2024 13:48:03

Middle Channel / 15MHz+10MHz / 16QAM



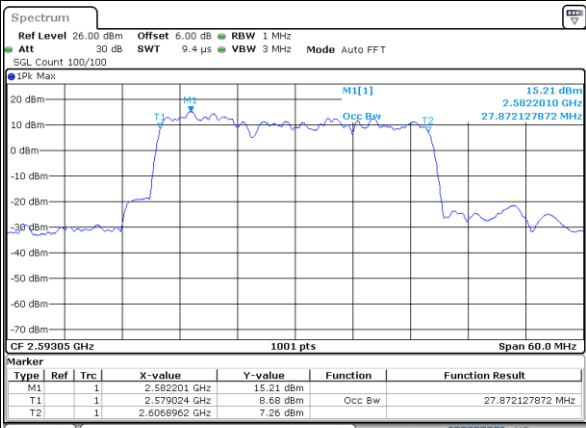
Date: 21.MAY.2024 13:46:41

Middle Channel / 10MHz+20MHz / QPSK



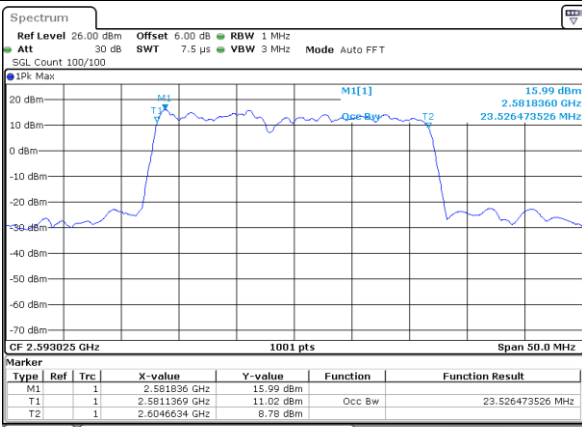
Date: 21.MAY.2024 13:59:39

Middle Channel / 10MHz+20MHz / 16QAM



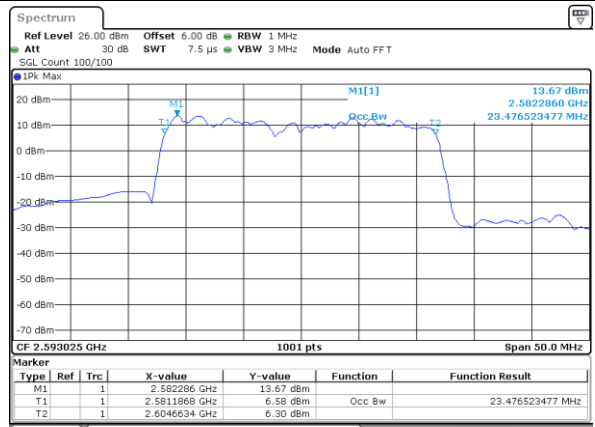
Date: 21.MAY.2024 13:52:01

Middle Channel / 10MHz+15MHz / QPSK

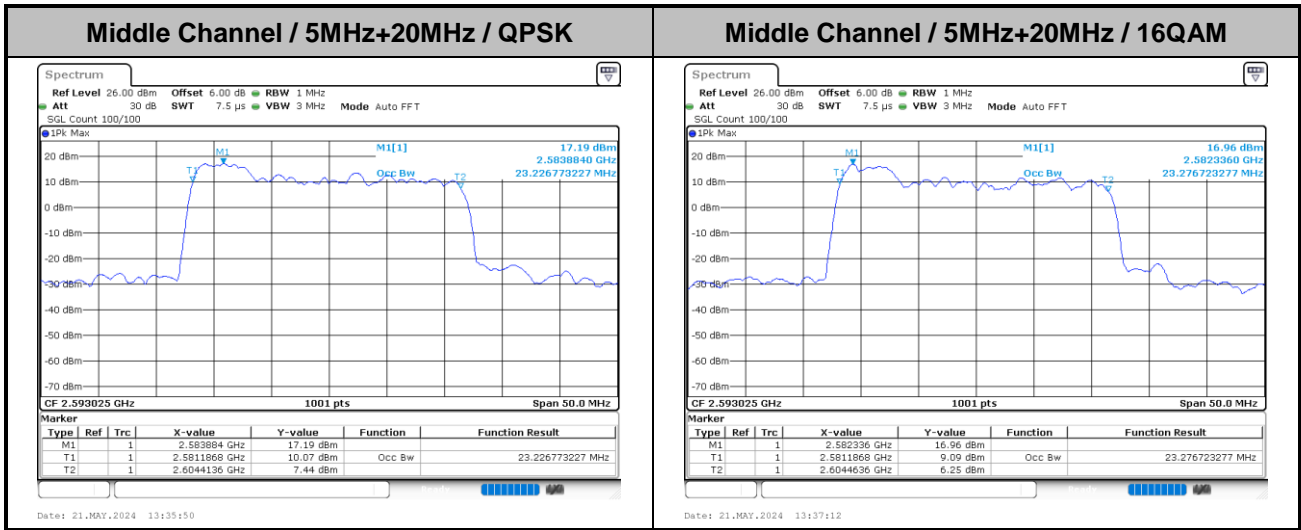


Date: 21.MAY.2024 13:43:27

Middle Channel / 10MHz+15MHz / 16QAM



Date: 21.MAY.2024 13:44:49



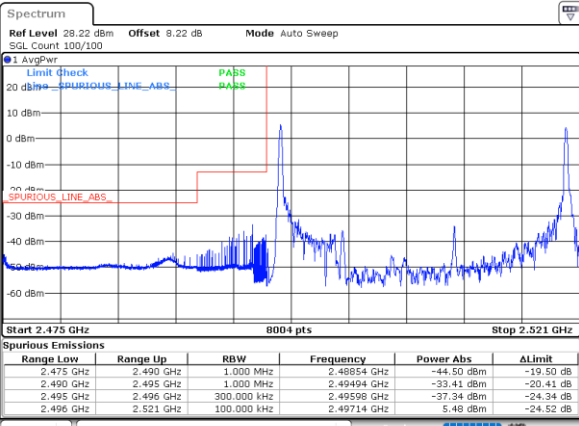


Conducted Band Edge

LTE Band 41C / 5MHz+20MHz

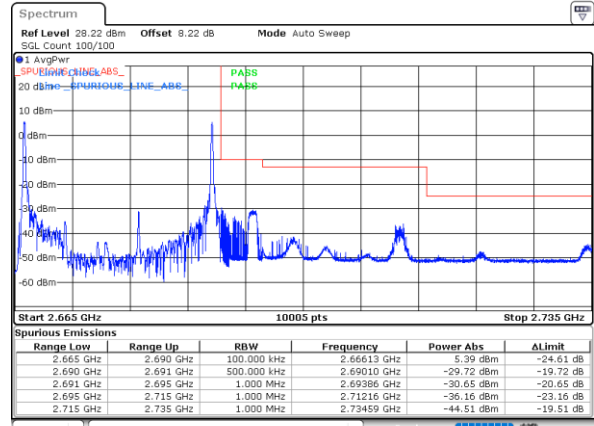
QPSK

Lowest Band Edge / 1RB0 and 1RB99



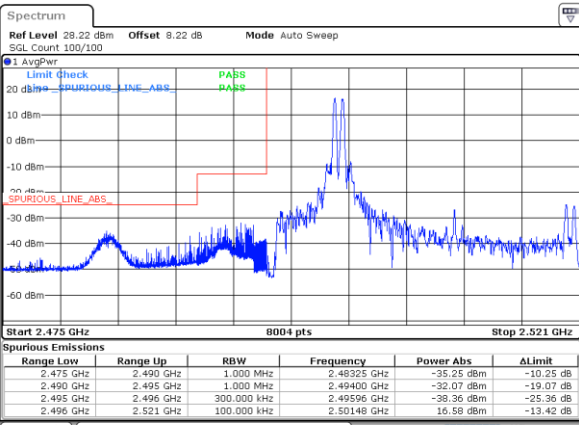
Date: 14.MAY.2024 21:00:15

Highest Band Edge / 1RB0 and 1RB99



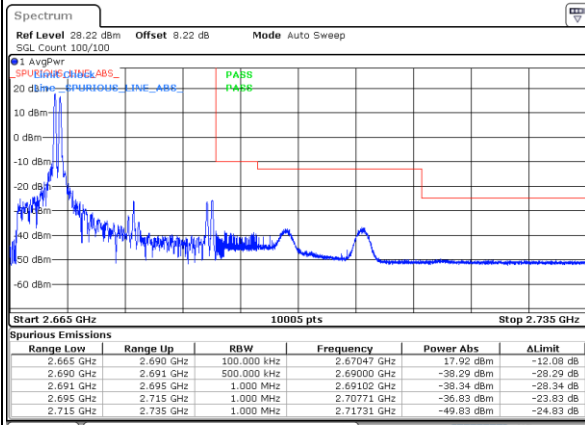
Date: 14.MAY.2024 21:20:22

Lowest Band Edge / 1RB24 and 1RB0



Date: 14.MAY.2024 20:56:44

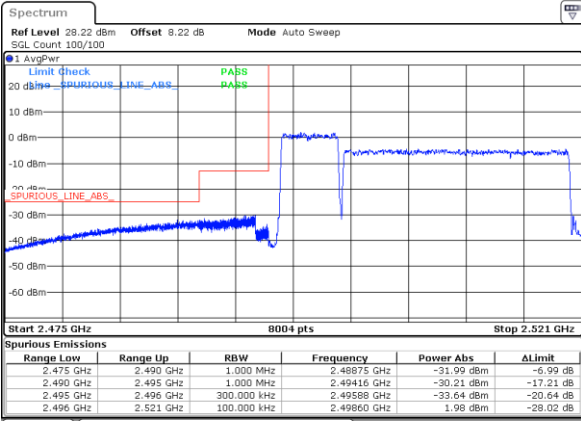
Highest Band Edge / 1RB24 and 1RB0



Date: 14.MAY.2024 21:16:49

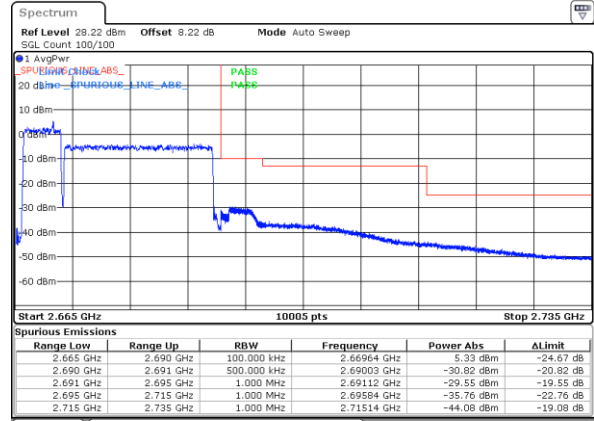


Lowest Band Edge / Full RB



Date: 14_MAY_2024 21:03:44

Highest Band Edge / Full RB



Date: 14_MAY_2024 21:23:55

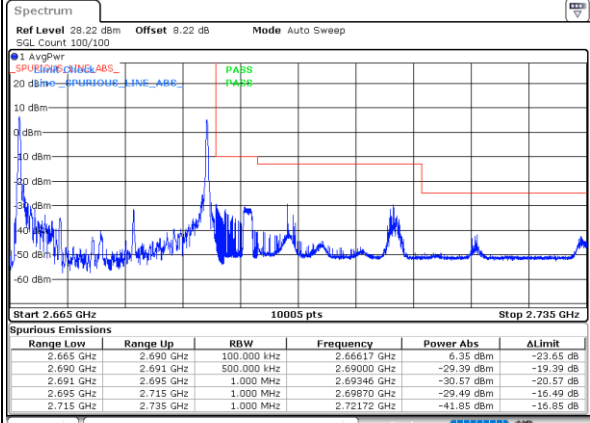
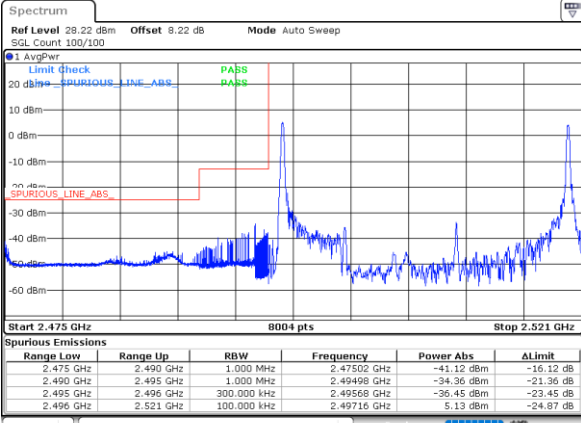


LTE Band 41C / 5MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

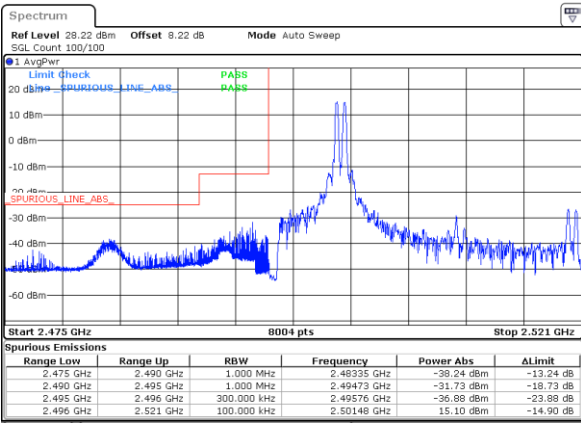


Date: 14.MAY.2024 21:01:07

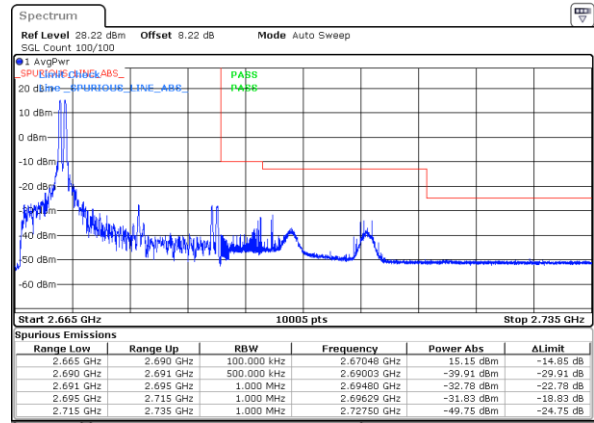
Date: 14.MAY.2024 21:21:15

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0



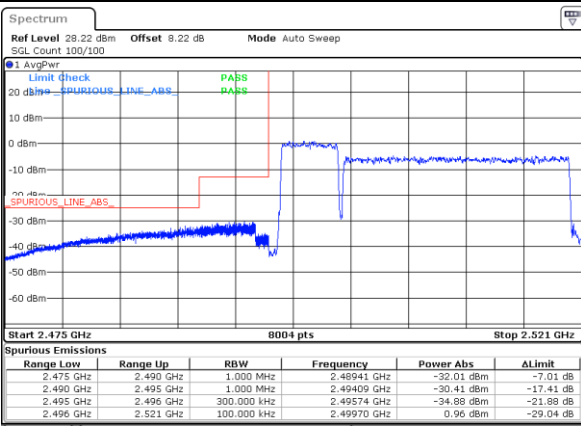
Date: 14.MAY.2024 20:57:36



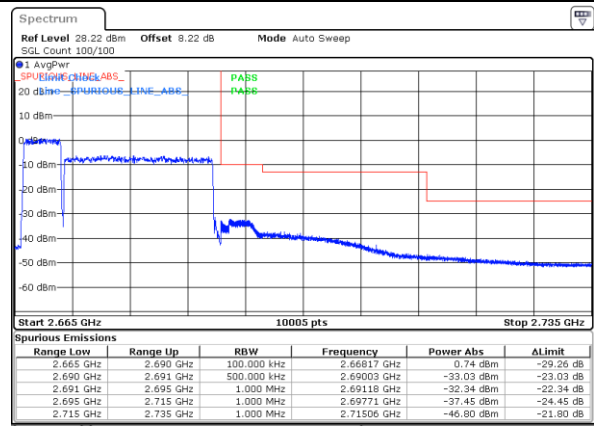
Date: 14.MAY.2024 21:17:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.MAY.2024 21:04:36



Date: 14.MAY.2024 21:24:48

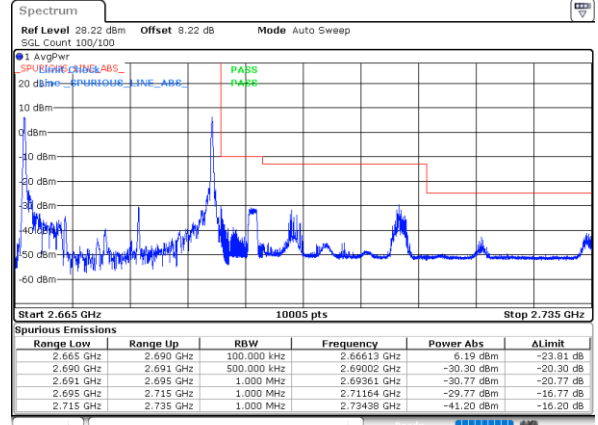
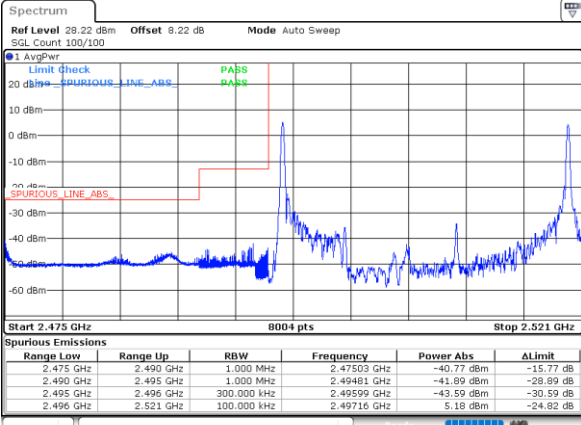


LTE Band 41C / 5MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

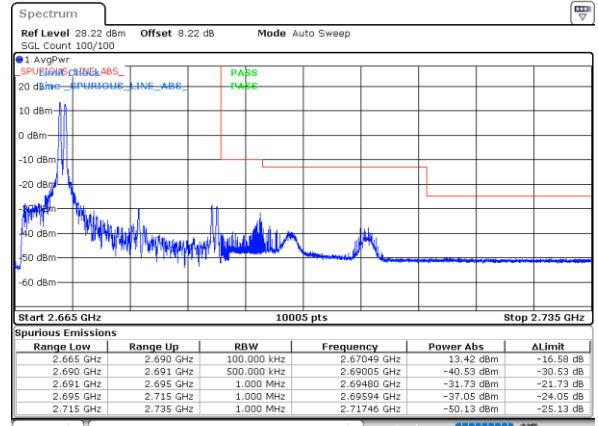
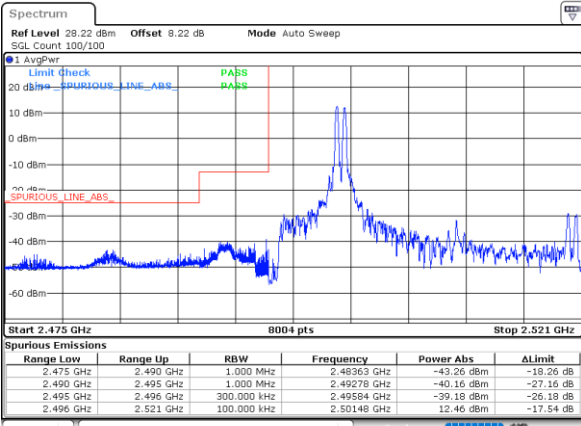


Date: 14.MAY.2024 21:01:59

Date: 14.MAY.2024 21:22:08

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

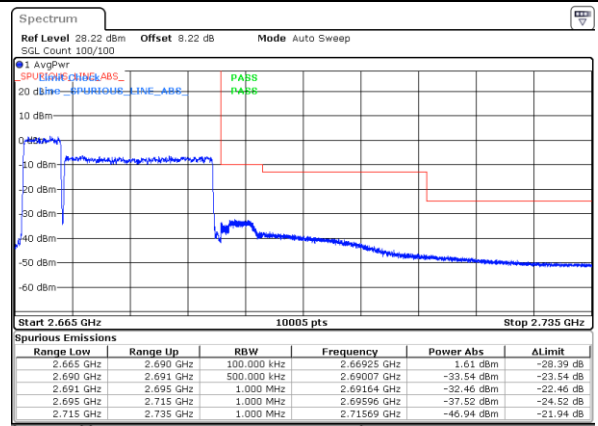
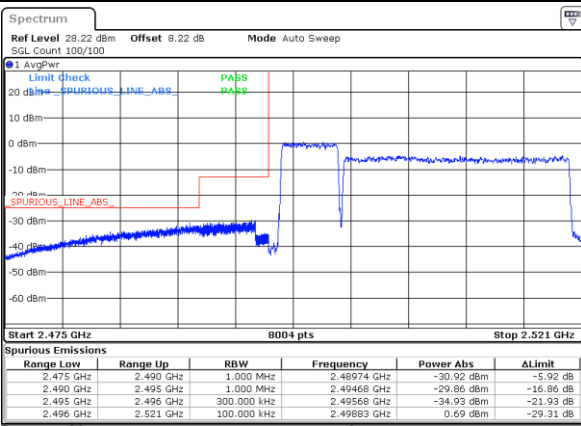


Date: 14.MAY.2024 20:58:29

Date: 14.MAY.2024 21:18:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.MAY.2024 21:05:29

Date: 14.MAY.2024 21:25:42

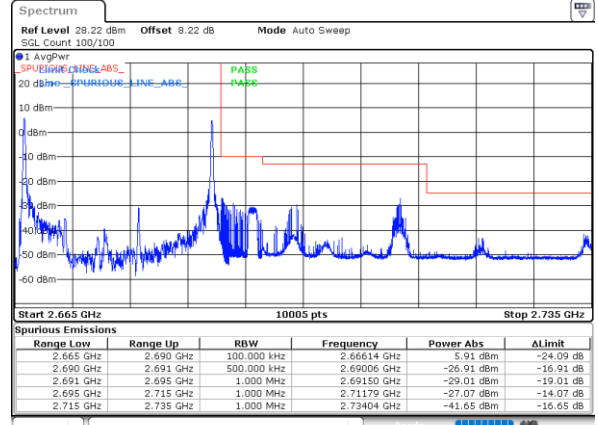
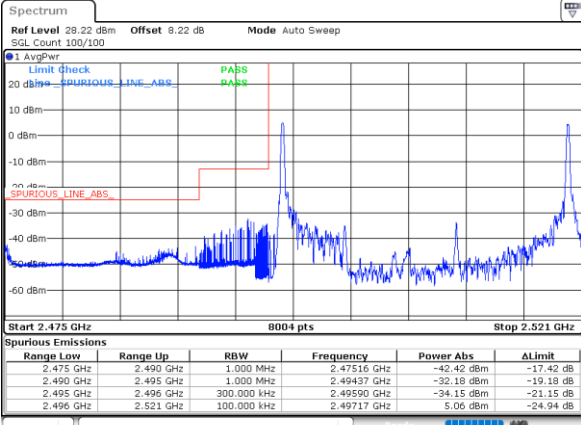


LTE Band 41C / 5MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

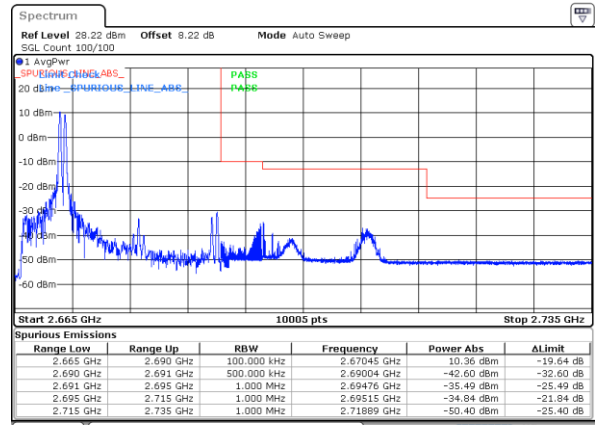
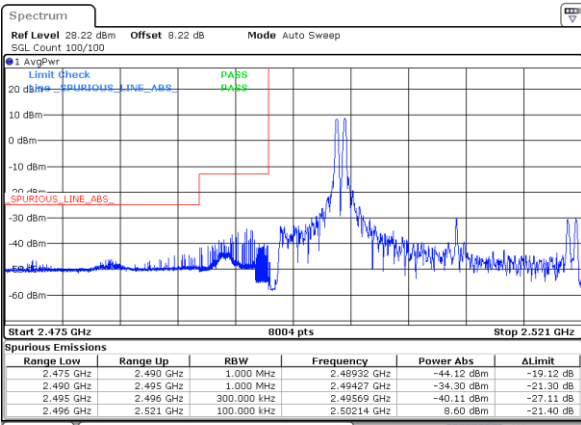


Date: 14.MAY.2024 21:02:51

Date: 14.MAY.2024 21:23:01

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

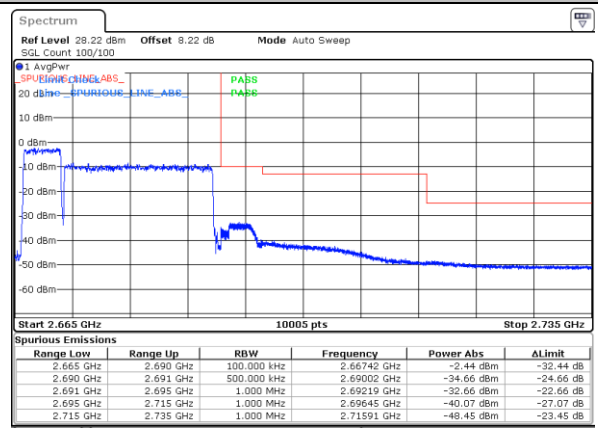
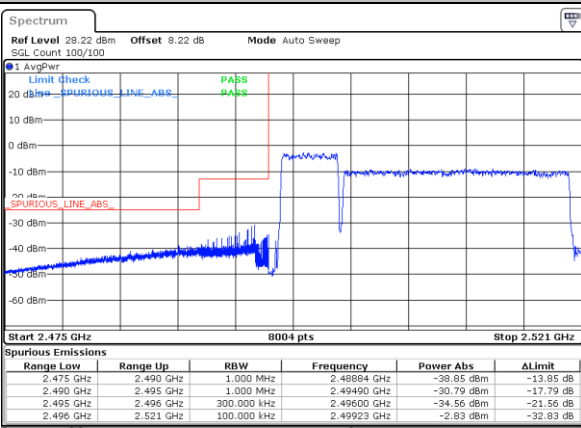


Date: 14.MAY.2024 20:59:22

Date: 14.MAY.2024 21:19:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.MAY.2024 21:06:21

Date: 14.MAY.2024 21:26:35

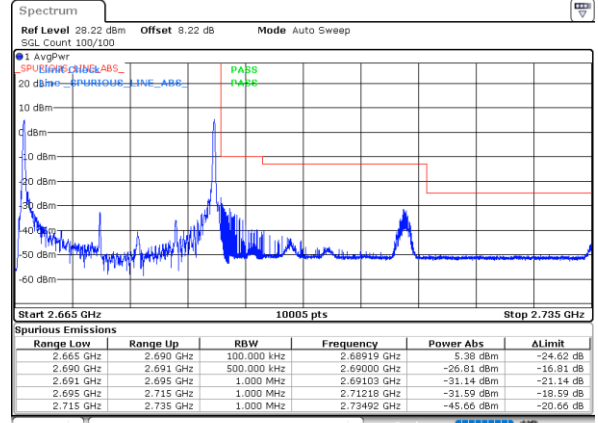
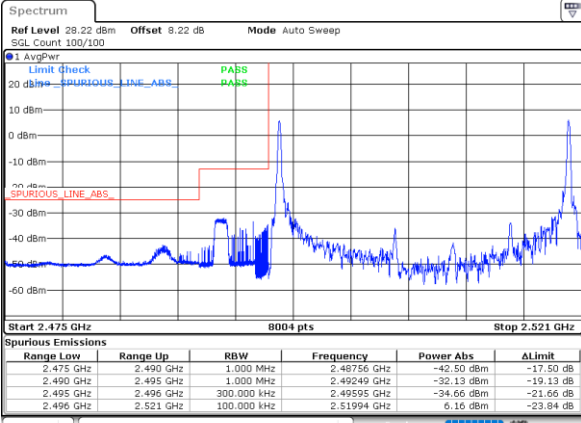


LTE Band 41C / 10MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

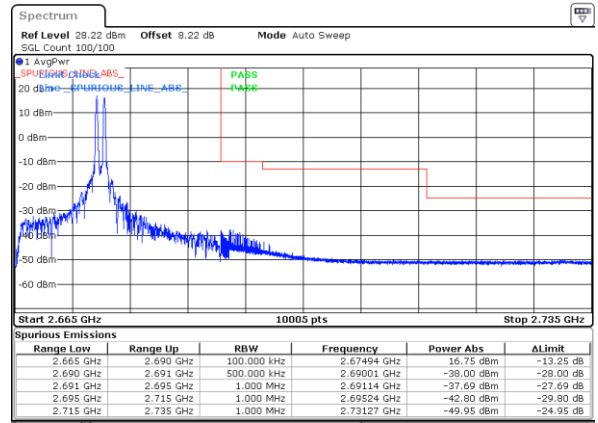
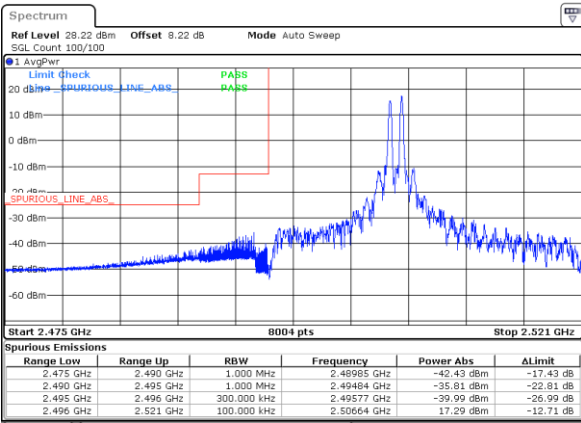


Date: 14.MAY.2024 21:33:48

Date: 14.MAY.2024 21:54:22

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

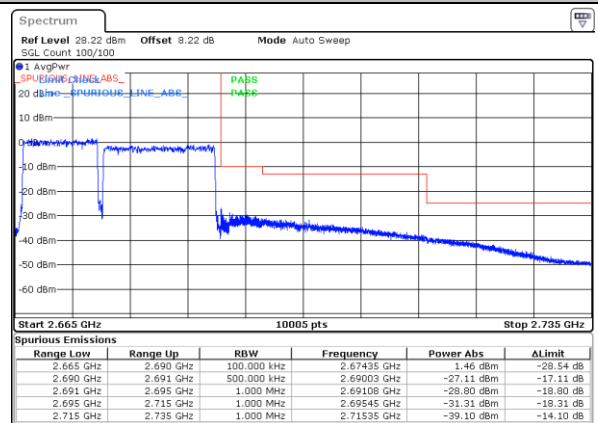
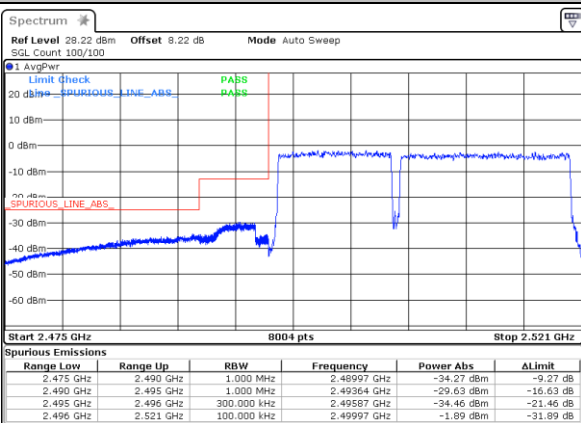


Date: 14.MAY.2024 21:30:18

Date: 14.MAY.2024 21:50:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.MAY.2024 13:55:52

Date: 14.MAY.2024 21:57:56

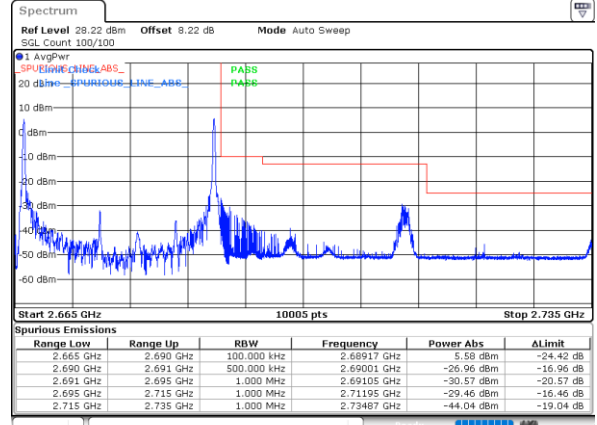
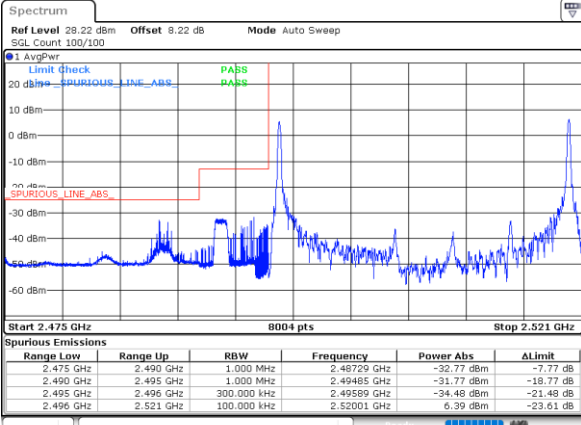


LTE Band 41C / 10MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

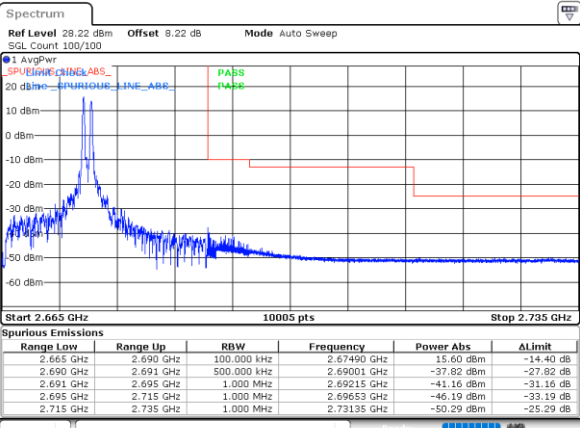
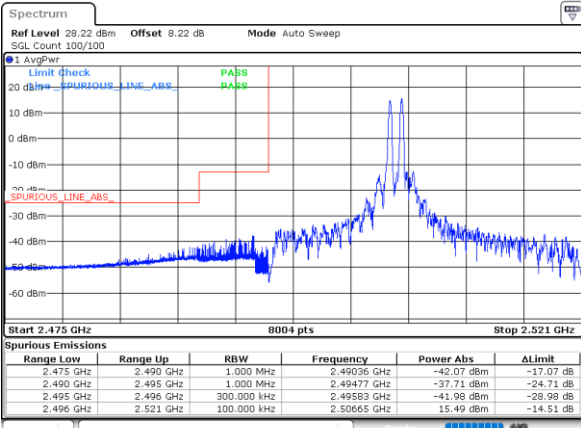


Date: 14.MAY.2024 21:34:10

Date: 14.MAY.2024 21:55:16

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

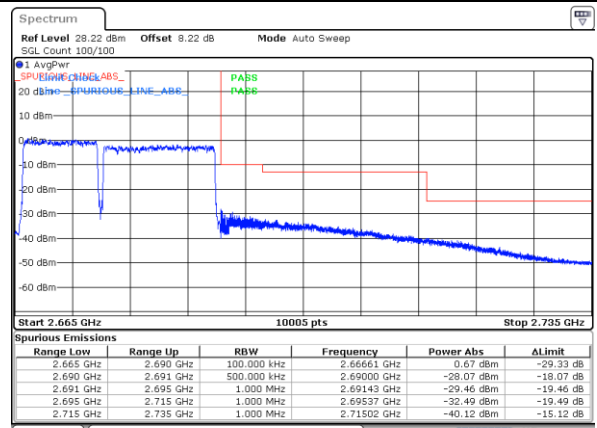
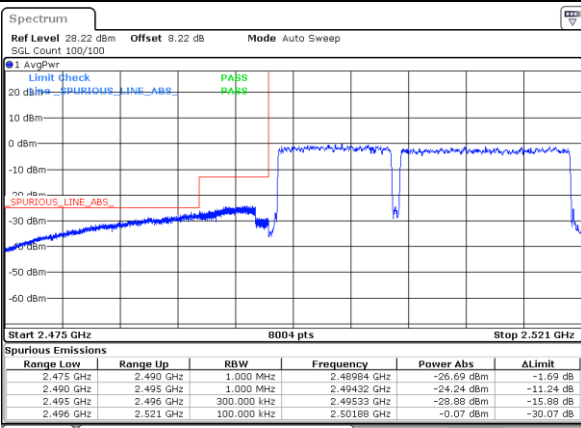


Date: 14.MAY.2024 21:31:10

Date: 14.MAY.2024 21:51:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.MAY.2024 21:38:11

Date: 14.MAY.2024 21:58:50

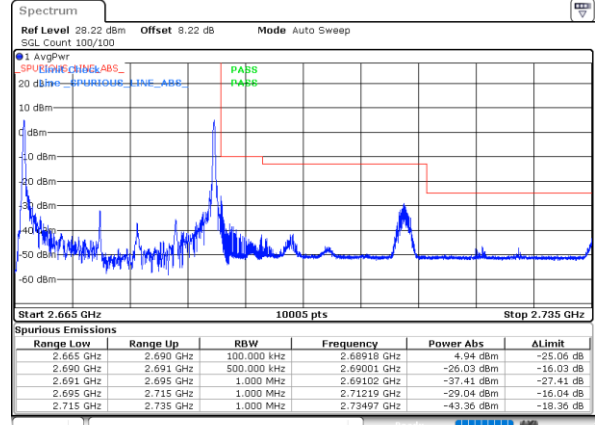
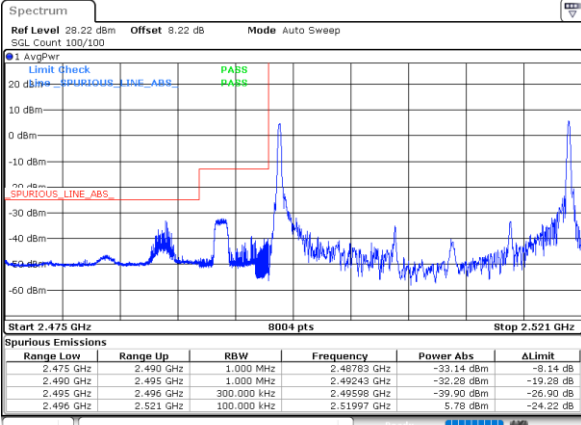


LTE Band 41C / 10MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

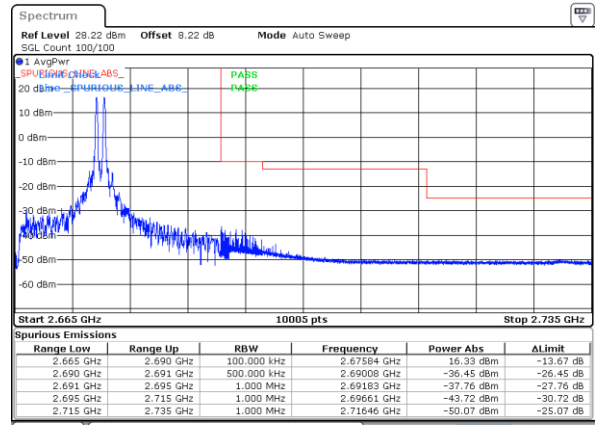
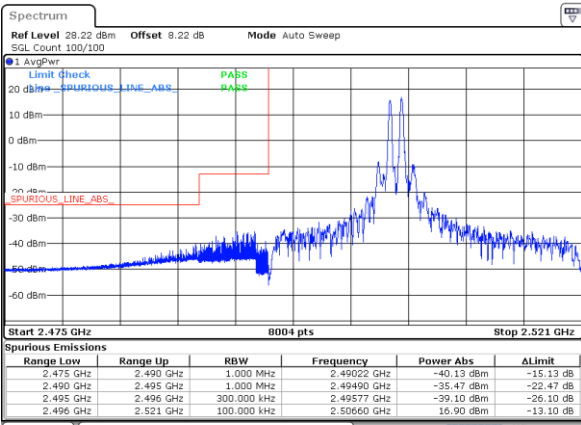


Date: 14.MAY.2024 21:35:33

Date: 14.MAY.2024 21:56:09

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

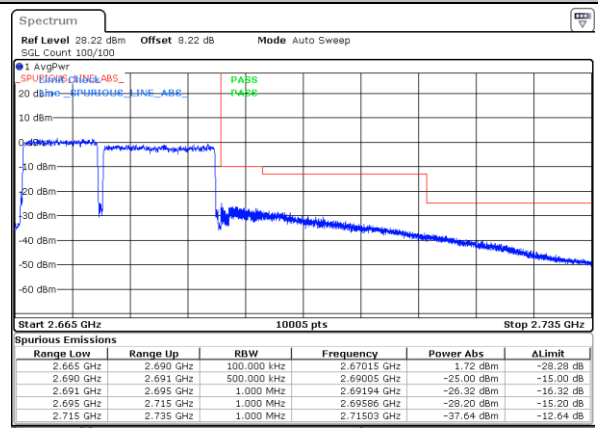
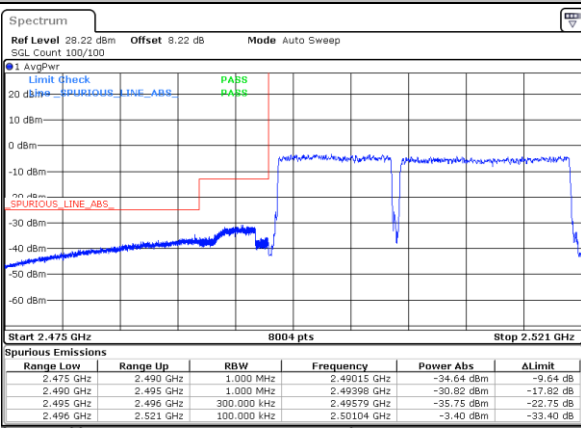


Date: 14.MAY.2024 21:32:03

Date: 14.MAY.2024 21:52:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.MAY.2024 13:16:49

Date: 14.MAY.2024 21:59:44

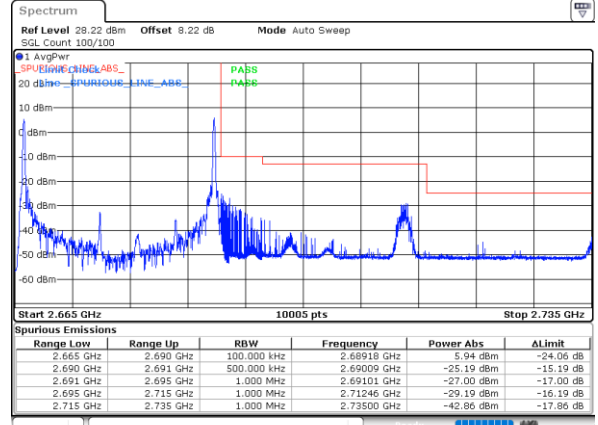
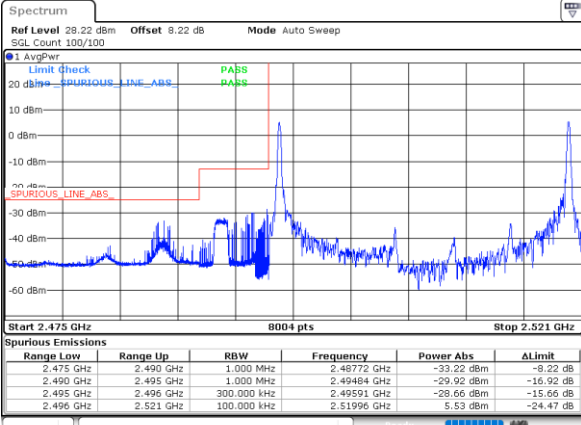


LTE Band 41C / 10MHz+15MHz

256AM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

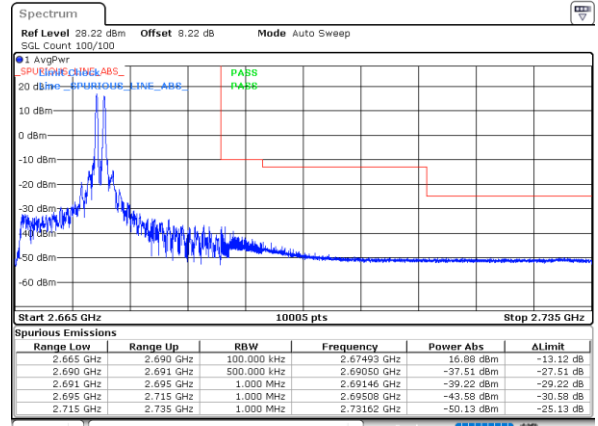
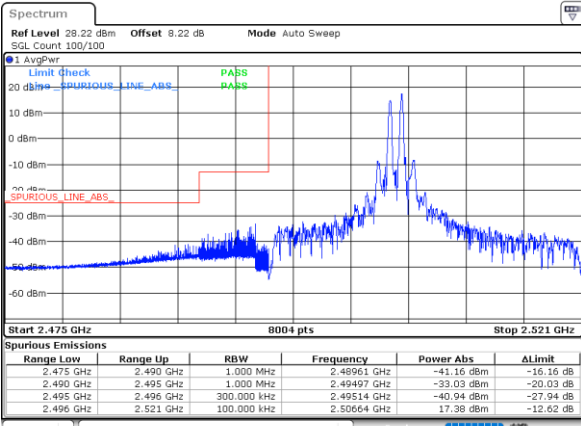


Date: 14.MAY.2024 21:36:25

Date: 14.MAY.2024 21:57:03

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

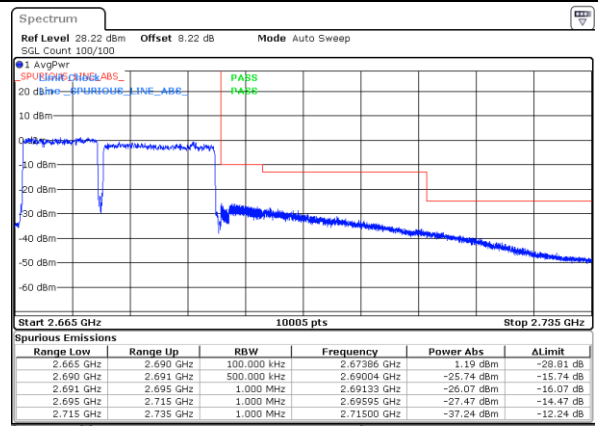
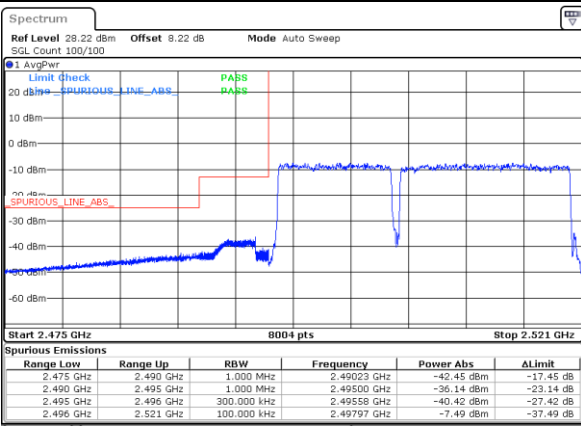


Date: 14.MAY.2024 21:32:56

Date: 14.MAY.2024 21:53:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.MAY.2024 13:19:46

Date: 14.MAY.2024 22:00:37

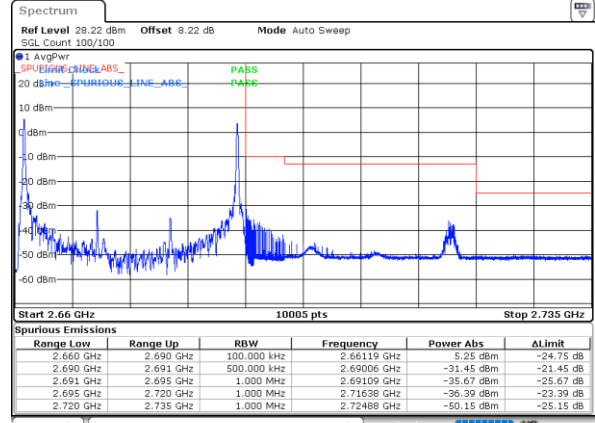
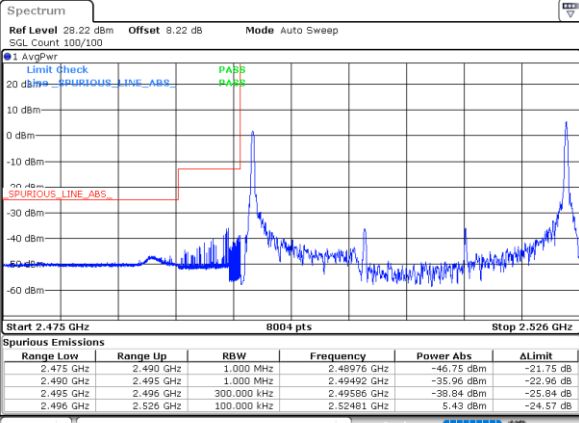


LTE Band 41C / 10MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

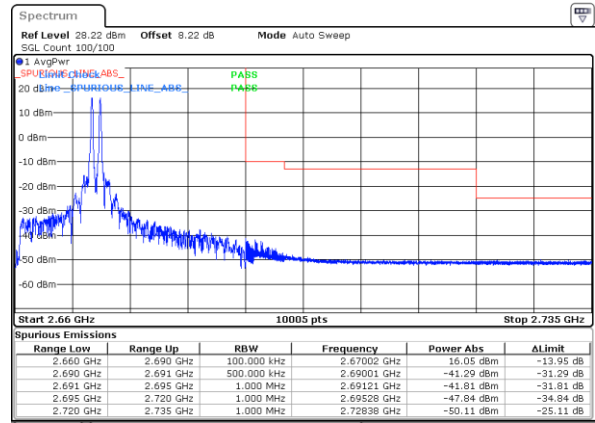
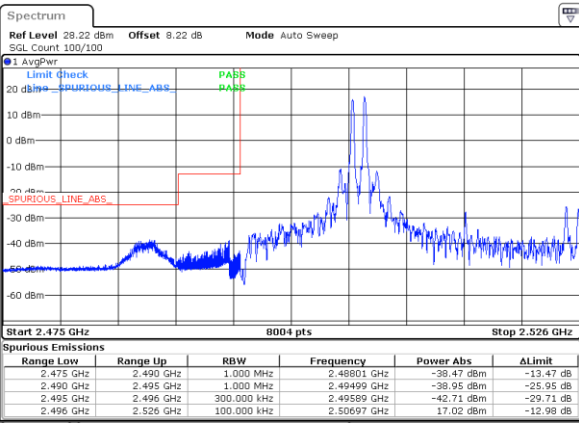


Date: 14.MAY.2024 22:08:56

Date: 14.MAY.2024 22:27:39

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

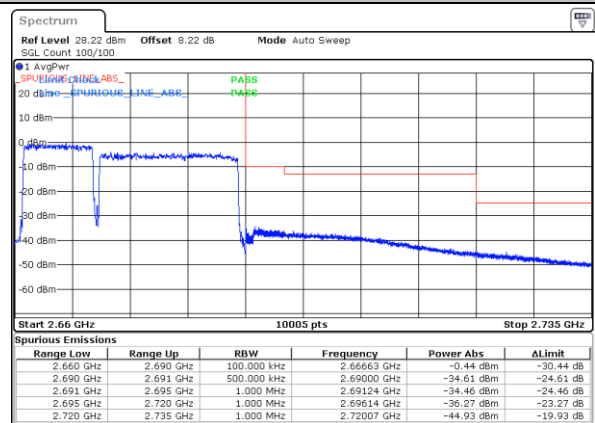
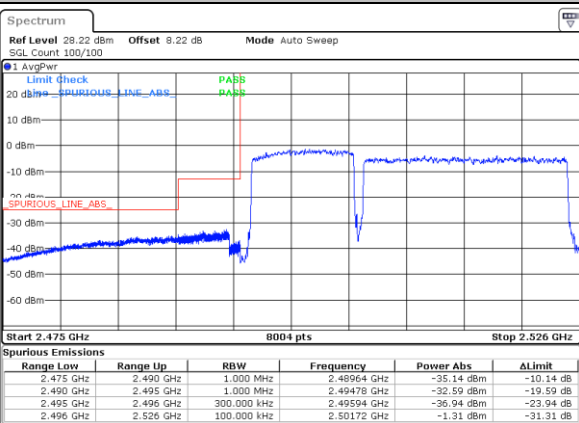


Date: 14.MAY.2024 22:05:22

Date: 14.MAY.2024 22:24:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.MAY.2024 22:12:30

Date: 14.MAY.2024 22:31:13

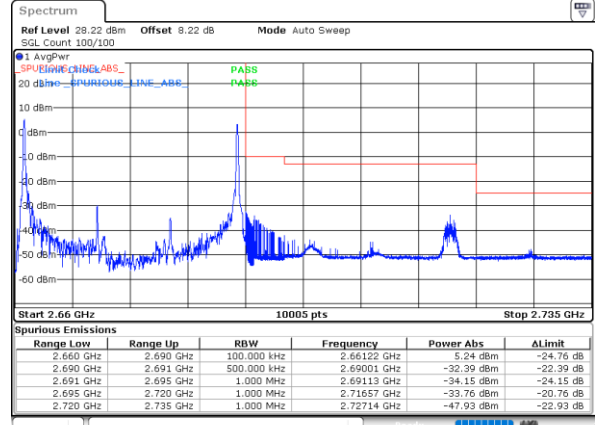
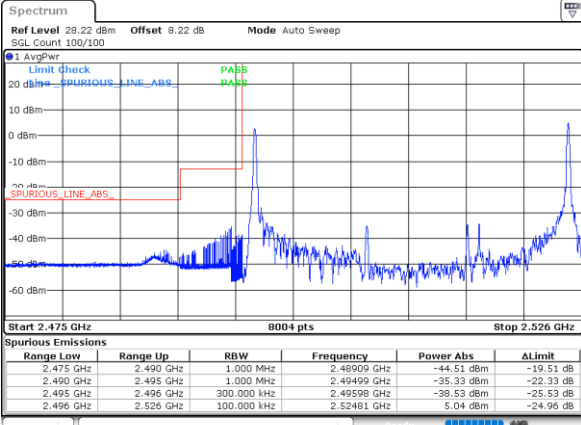


LTE Band 41C / 10MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

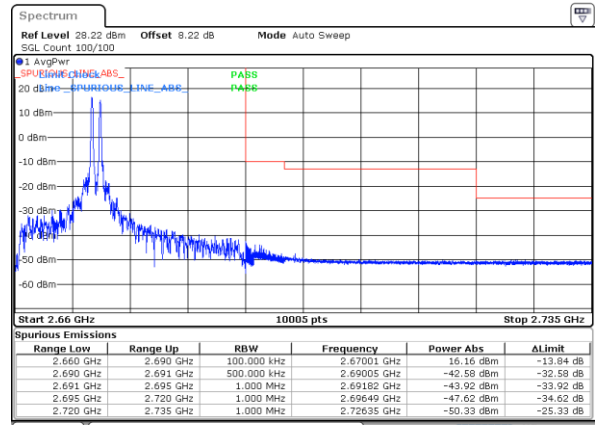
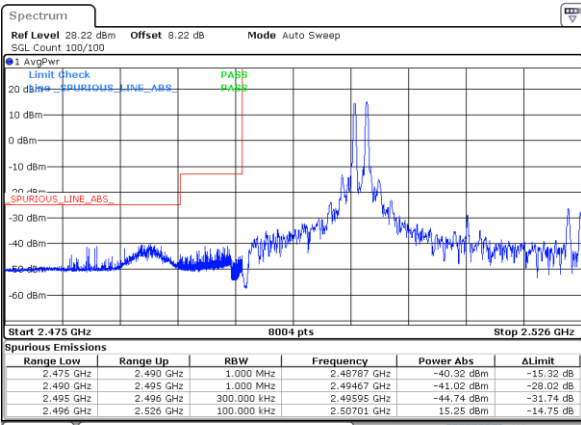


Date: 14.MAY.2024 22:09:49

Date: 14.MAY.2024 22:29:32

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

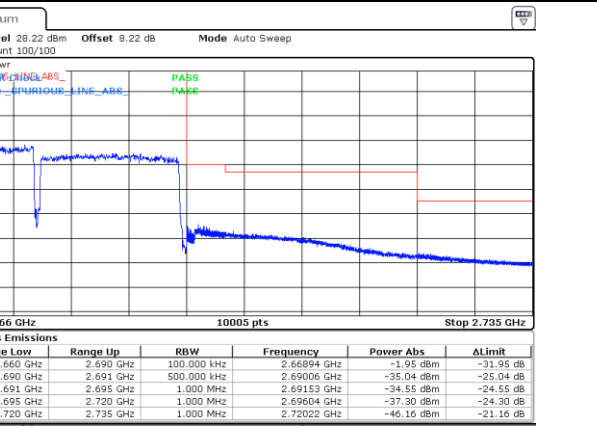
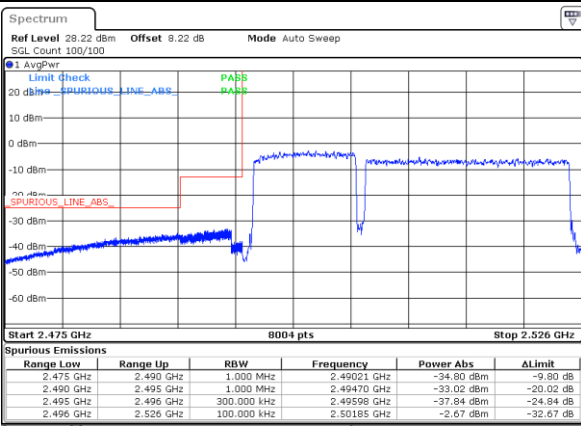


Date: 14.MAY.2024 22:06:16

Date: 14.MAY.2024 22:24:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.MAY.2024 22:13:23

Date: 14.MAY.2024 22:32:06