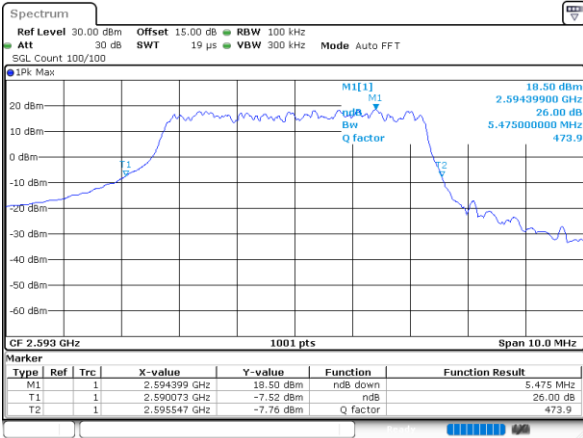




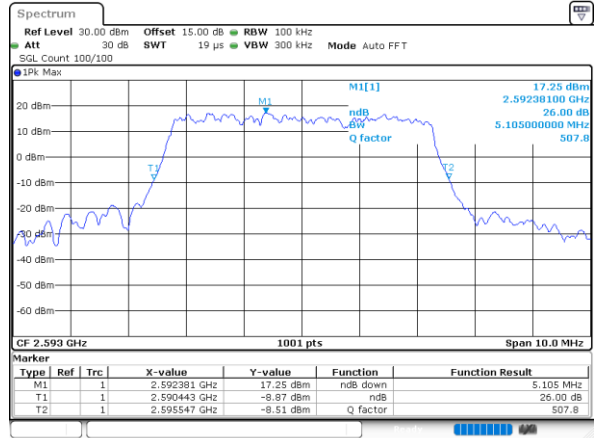
LTE Band 41

Middle Channel / 5MHz / QPSK



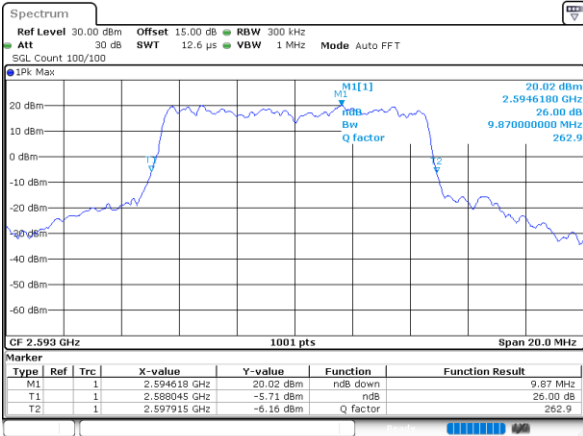
Date: 5.AUG.2024 16:40:16

Middle Channel / 5MHz / 16QAM



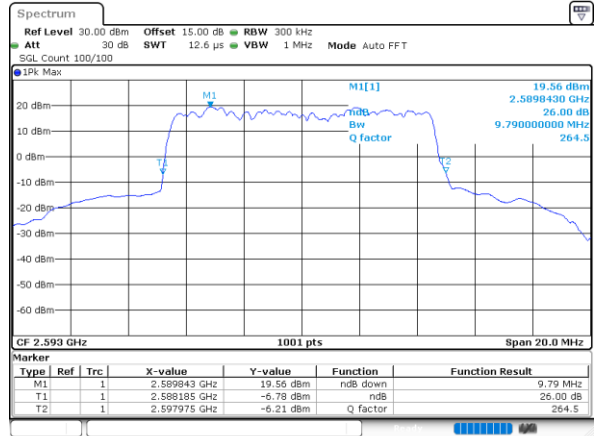
Date: 5.AUG.2024 16:40:56

Middle Channel / 10MHz / QPSK



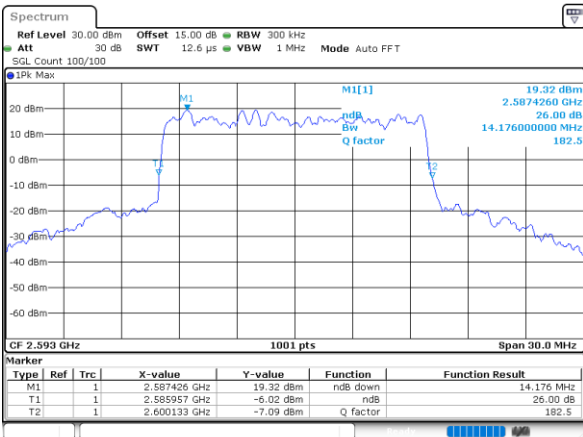
Date: 5.AUG.2024 16:58:37

Middle Channel / 10MHz / 16QAM



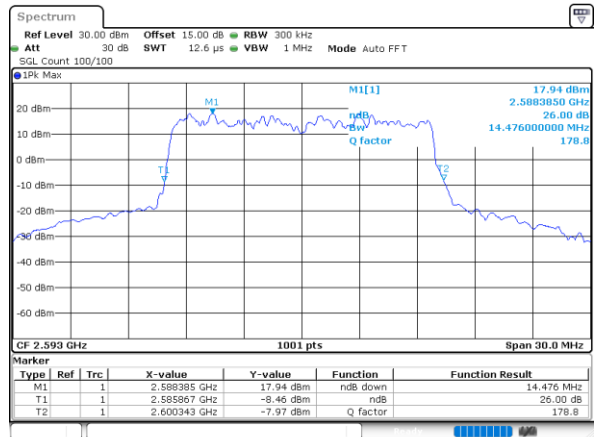
Date: 5.AUG.2024 16:59:17

Middle Channel / 15MHz / QPSK



Date: 5.AUG.2024 17:11:05

Middle Channel / 15MHz / 16QAM

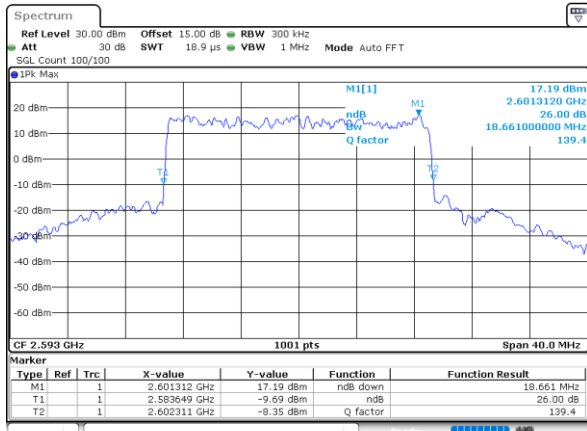


Date: 5.AUG.2024 17:16:45



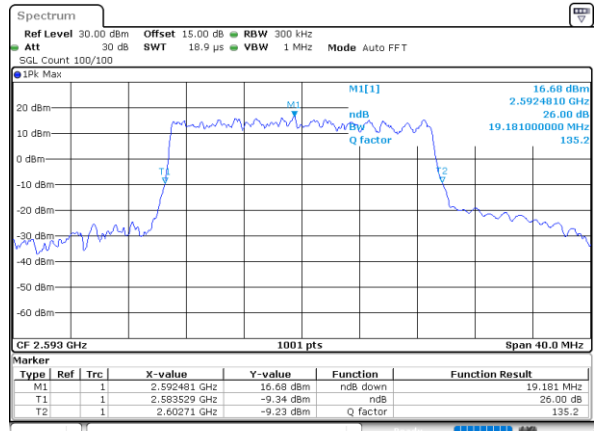
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 5.AUG.2024 17:33:34

Middle Channel / 20MHz / 16QAM



Date: 5.AUG.2024 17:34:15



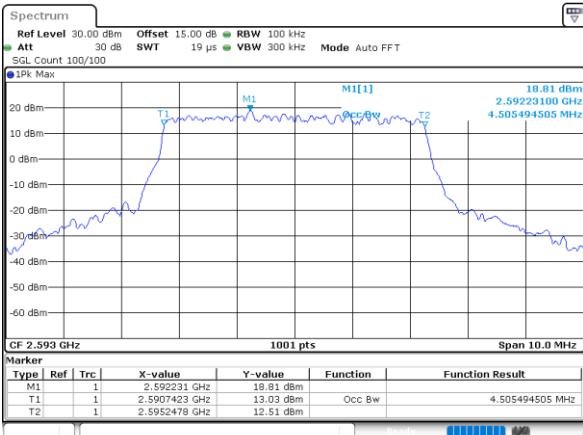
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.51	4.50	8.97	9.05	13.43	13.40	18.02	17.90



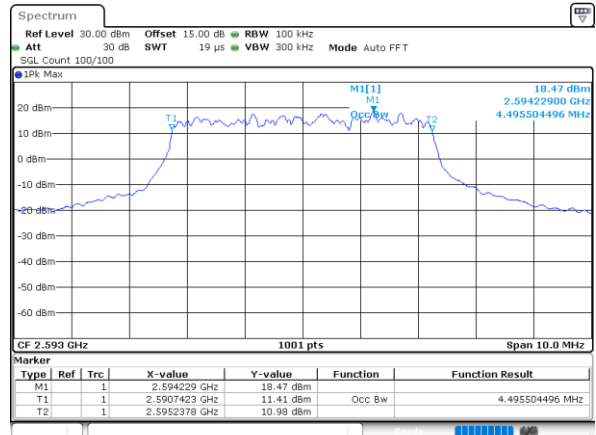
LTE Band 41

Middle Channel / 5MHz / QPSK



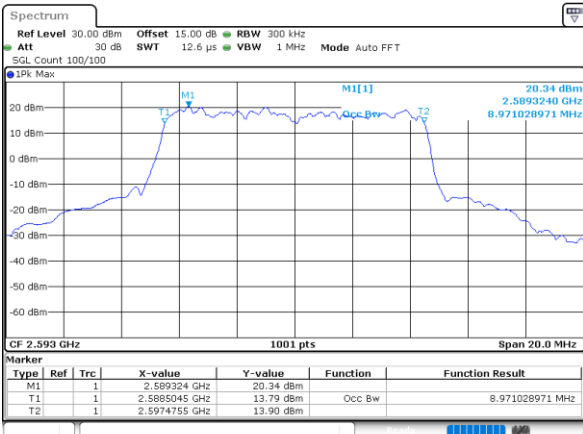
Date: 5.AUG.2024 16:40:02

Middle Channel / 5MHz / 16QAM



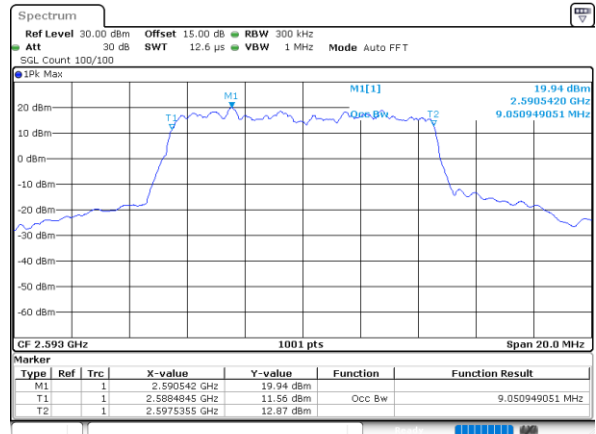
Date: 5.AUG.2024 16:40:42

Middle Channel / 10MHz / QPSK



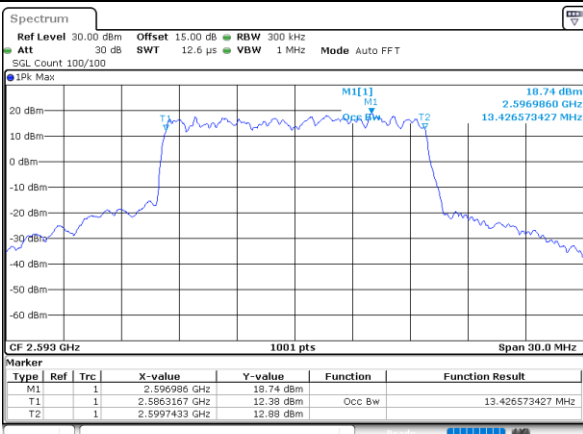
Date: 5.AUG.2024 16:58:23

Middle Channel / 10MHz / 16QAM



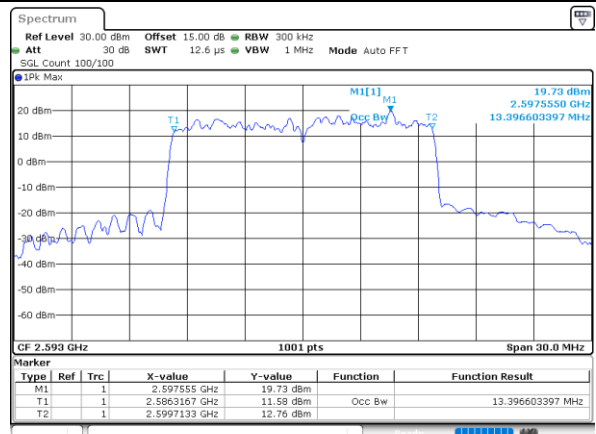
Date: 5.AUG.2024 16:59:04

Middle Channel / 15MHz / QPSK



Date: 5.AUG.2024 17:15:51

Middle Channel / 15MHz / 16QAM

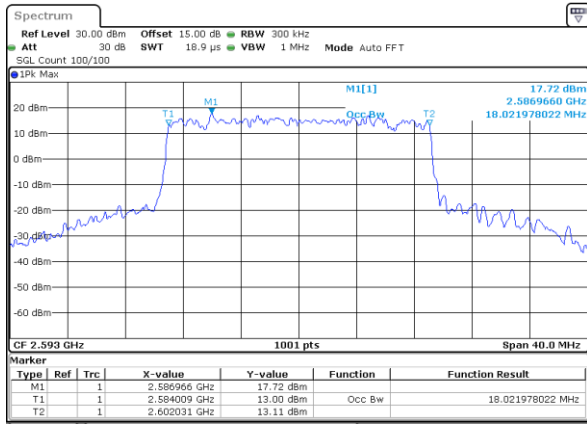


Date: 5.AUG.2024 17:16:31



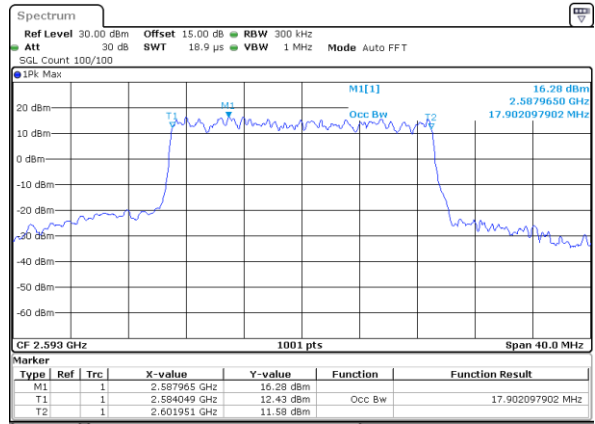
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 5.AUG.2024 17:33:20

Middle Channel / 20MHz / 16QAM



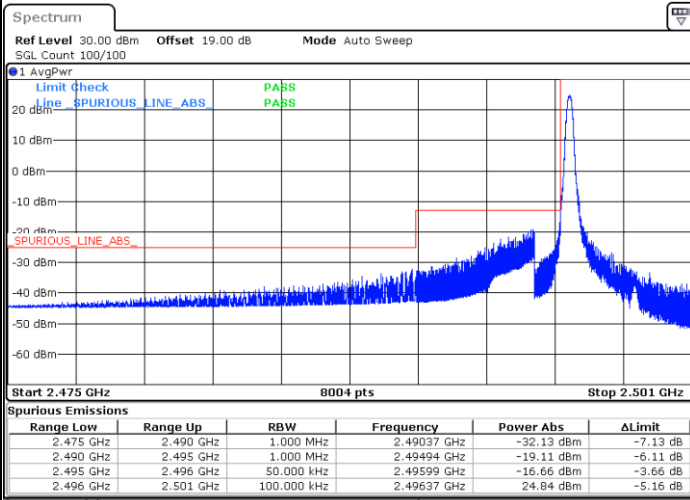
Date: 5.AUG.2024 17:34:01



Conducted Band Edge

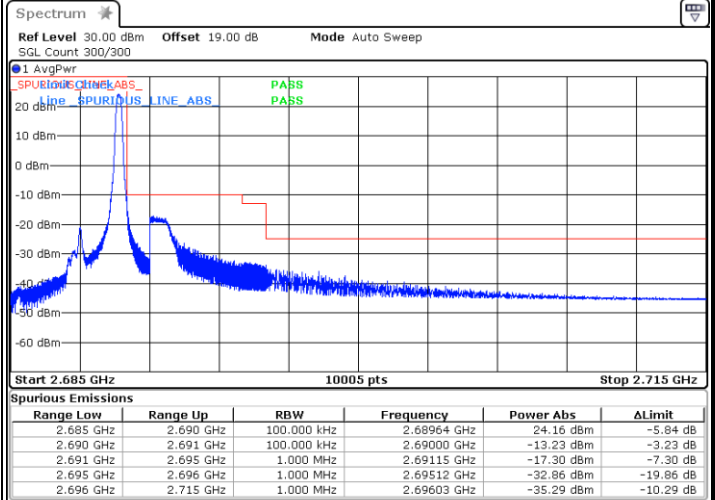
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



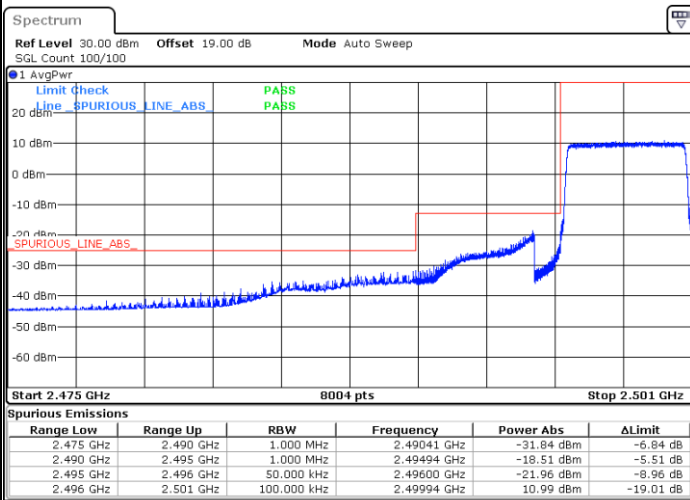
Date: 5.AUG.2024 16:32:33

Highest Band Edge / 1 RB



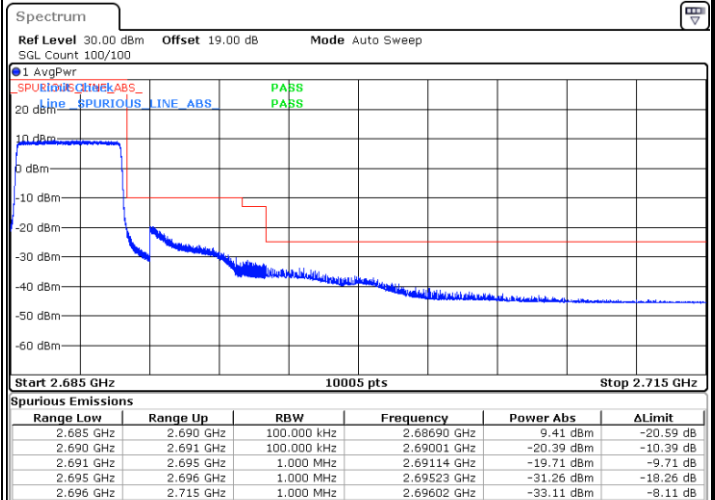
Date: 14.AUG.2024 18:42:42

Lowest Band Edge / Full RB



Date: 5.AUG.2024 16:37:15

Highest Band Edge / Full RB

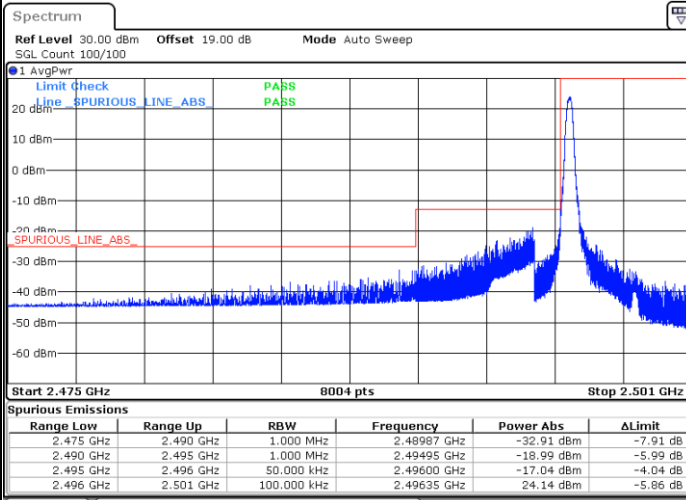


Date: 14.AUG.2024 18:10:00



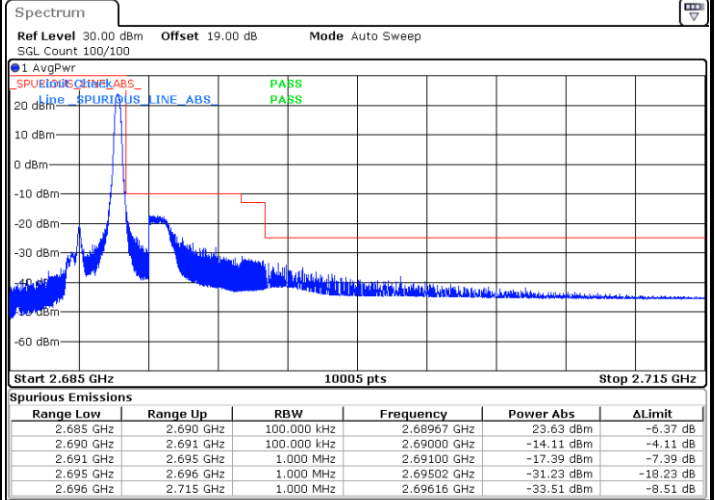
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



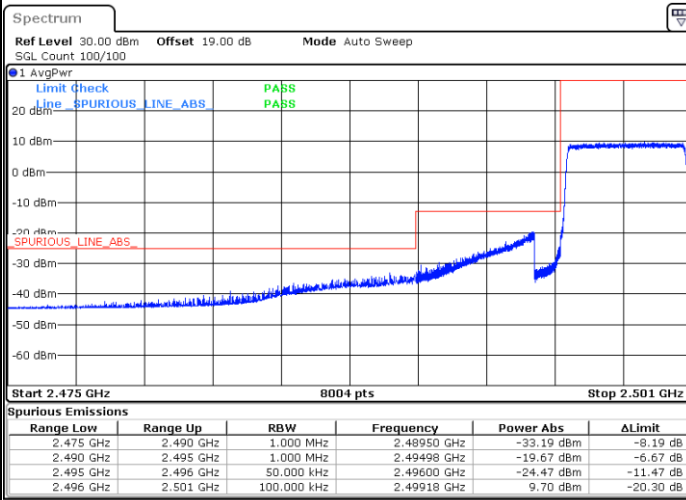
Date: 5.AUG.2024 16:33:29

Highest Band Edge / 1 RB



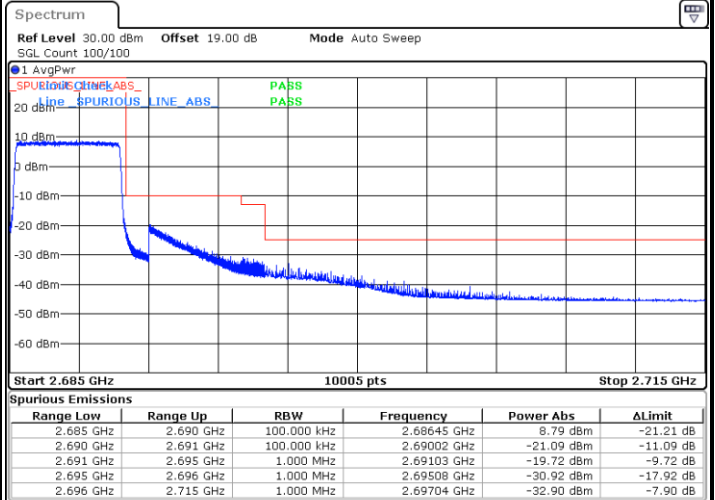
Date: 14.AUG.2024 18:05:20

Lowest Band Edge / Full RB



Date: 5.AUG.2024 16:36:18

Highest Band Edge / Full RB

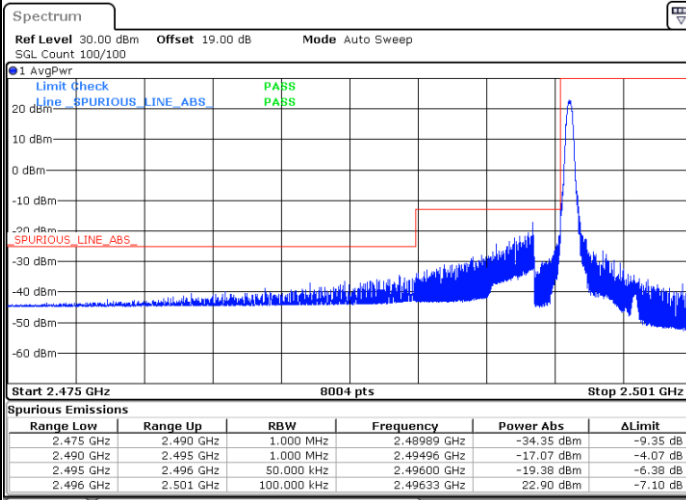


Date: 14.AUG.2024 18:08:50



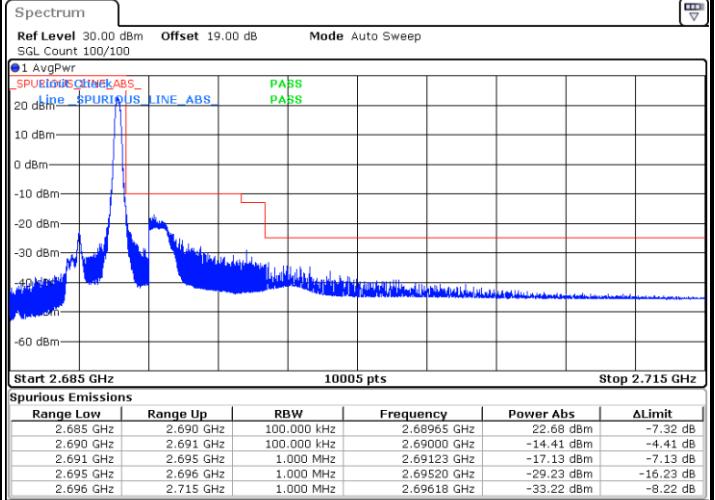
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



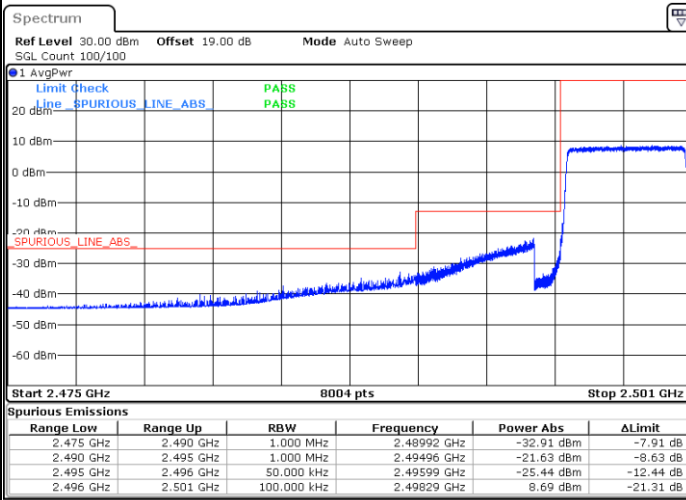
Date: 5.AUG.2024 16:34:26

Highest Band Edge / 1 RB



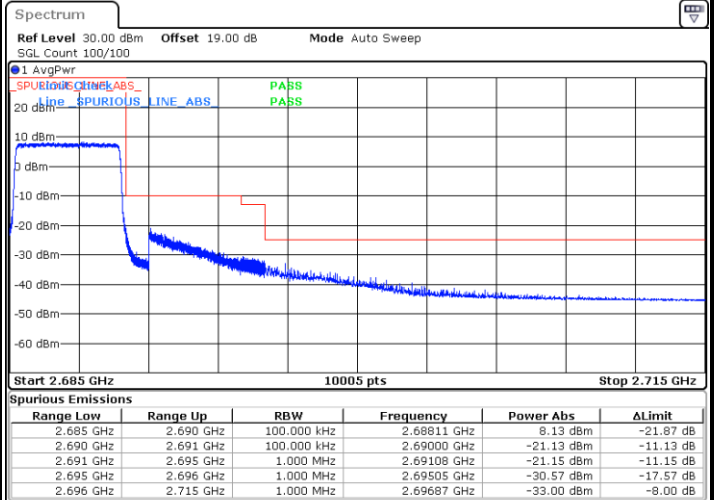
Date: 14.AUG.2024 18:06:30

Lowest Band Edge / Full RB



Date: 5.AUG.2024 16:35:22

Highest Band Edge / Full RB

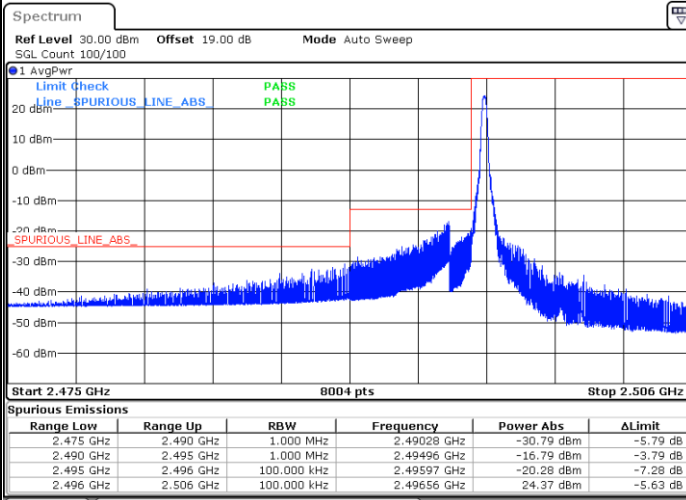


Date: 14.AUG.2024 18:07:40



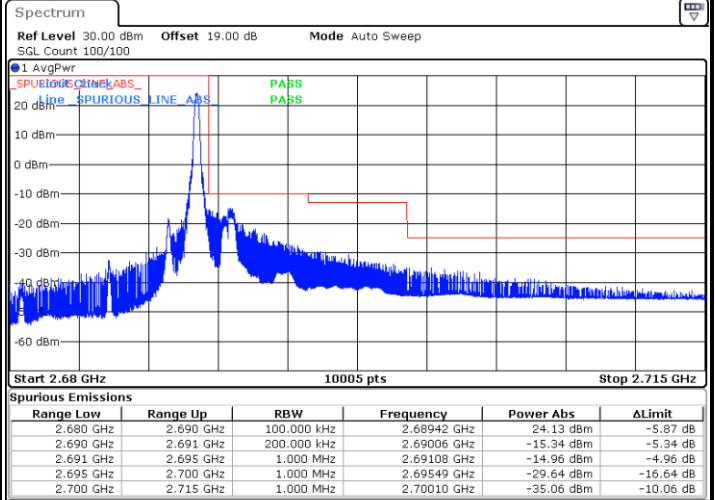
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



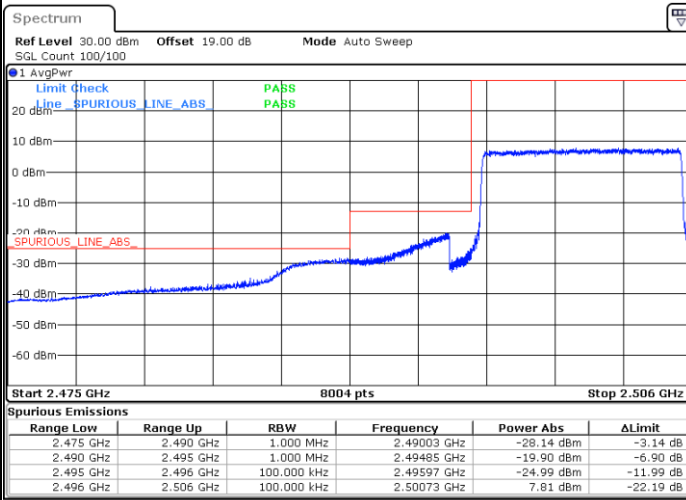
Date: 5.AUG.2024 16:50:54

Highest Band Edge / 1 RB



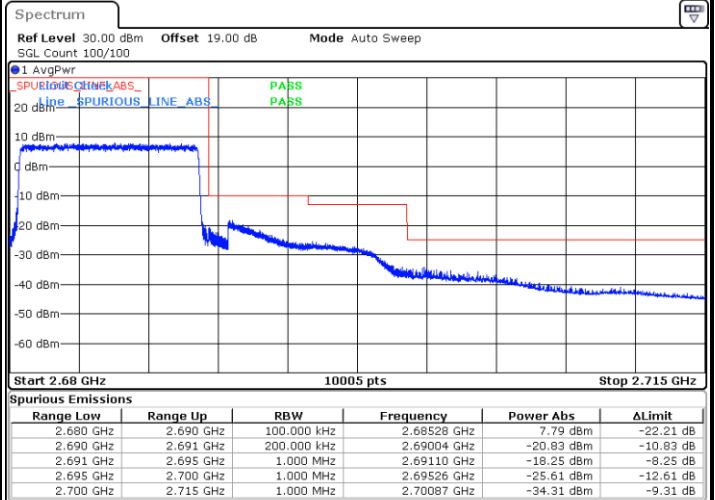
Date: 14.AUG.2024 17:56:10

Lowest Band Edge / Full RB



Date: 5.AUG.2024 16:55:36

Highest Band Edge / Full RB

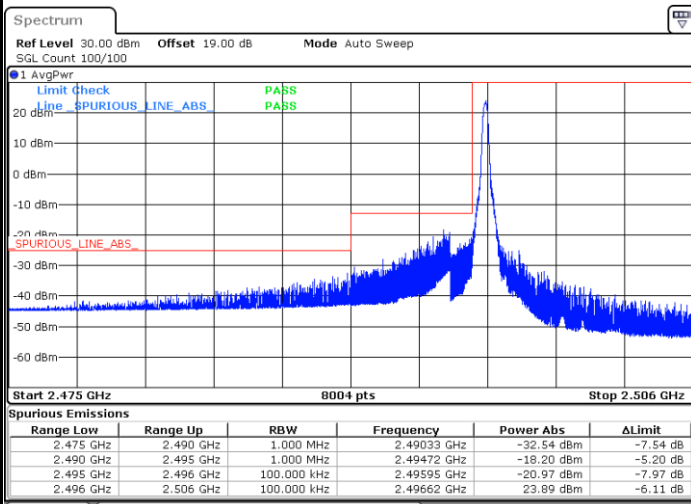


Date: 5.AUG.2024 17:04:54



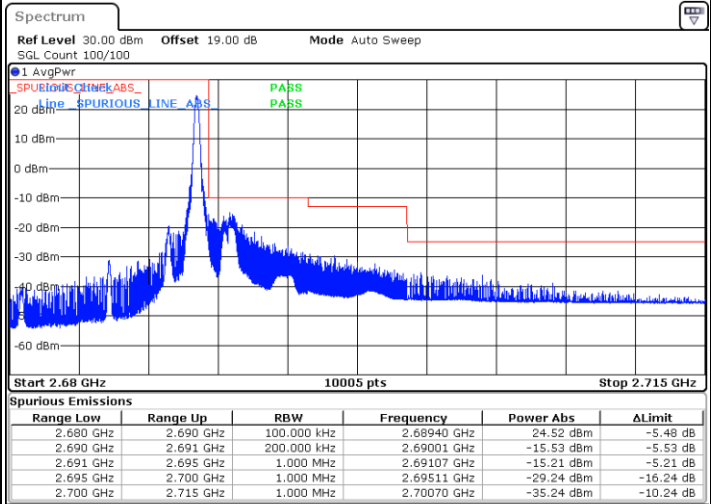
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



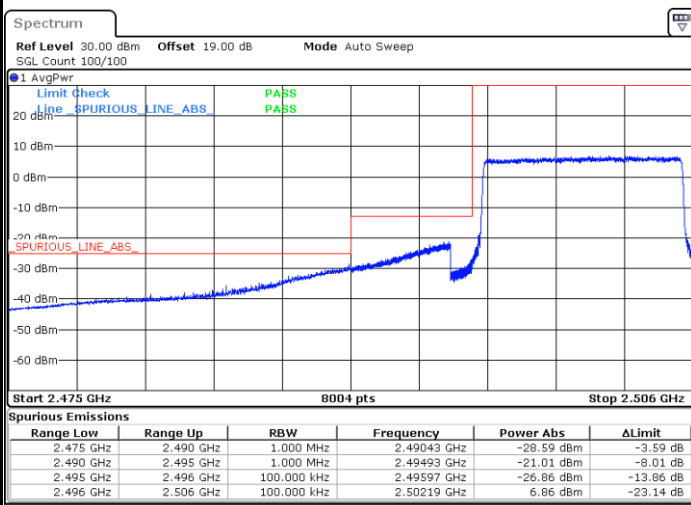
Date: 5.AUG.2024 16:51:50

Highest Band Edge / 1 RB



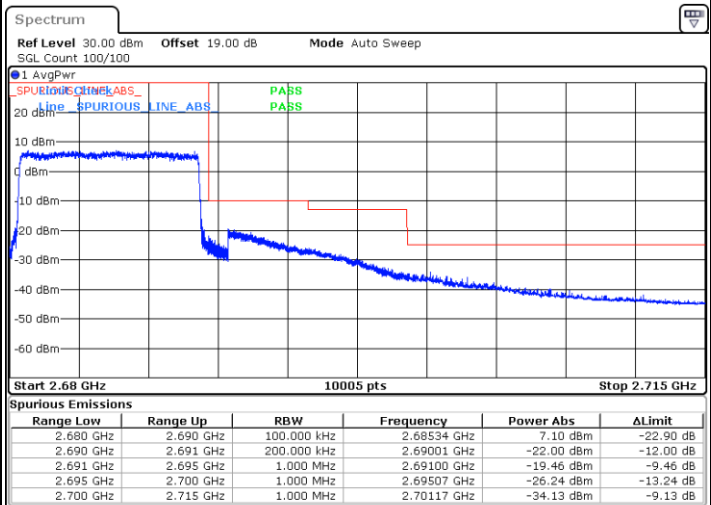
Date: 5.AUG.2024 17:01:09

Lowest Band Edge / Full RB



Date: 5.AUG.2024 16:54:39

Highest Band Edge / Full RB

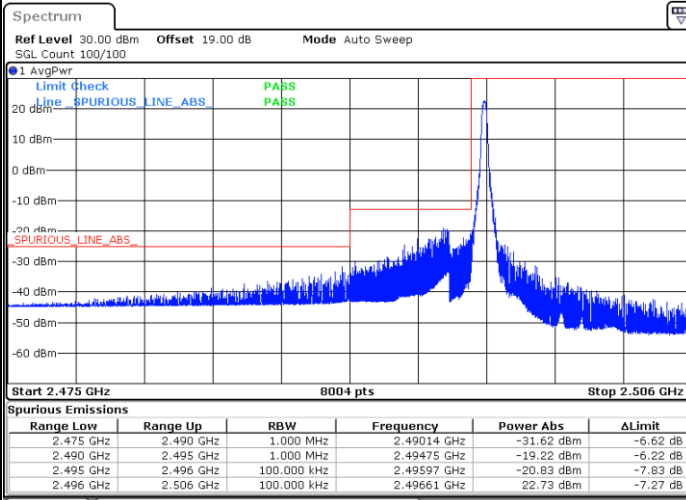


Date: 5.AUG.2024 17:03:58



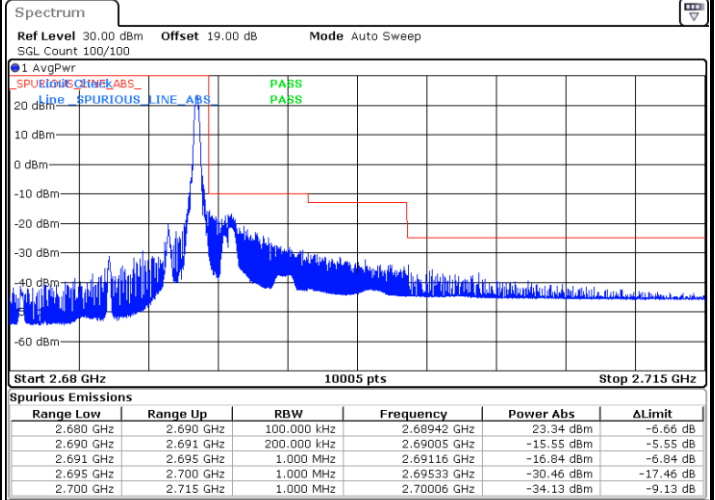
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



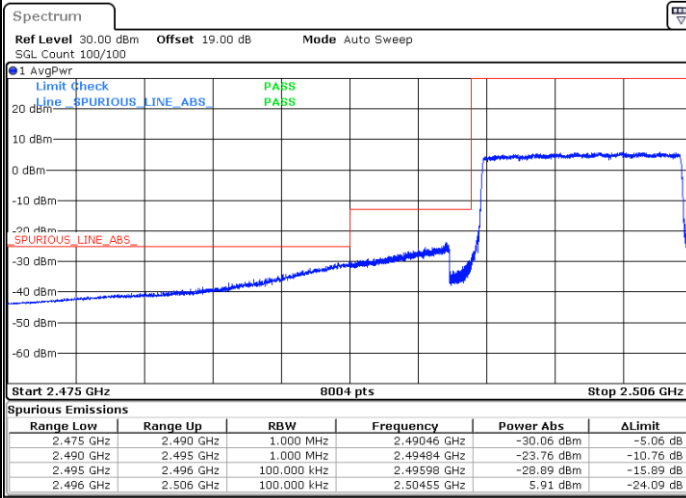
Date: 5.AUG.2024 16:52:47

Highest Band Edge / 1 RB



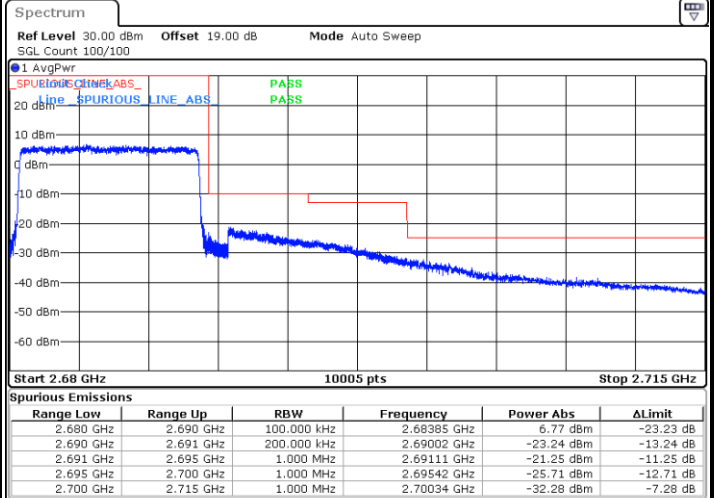
Date: 5.AUG.2024 17:02:05

Lowest Band Edge / Full RB



Date: 5.AUG.2024 16:53:43

Highest Band Edge / Full RB

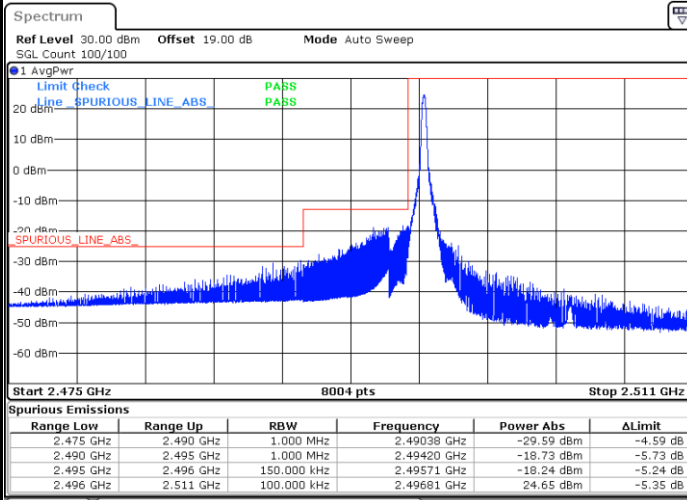


Date: 5.AUG.2024 17:03:02



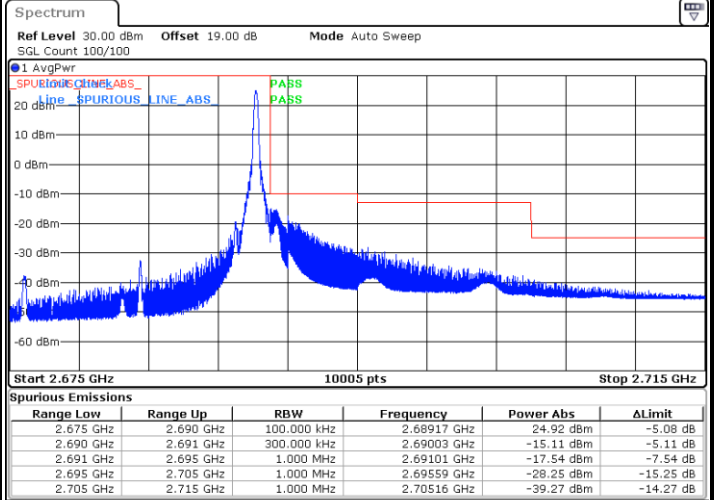
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



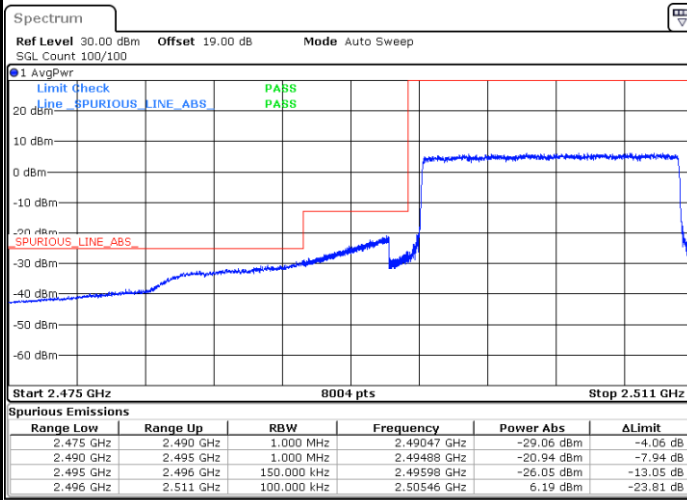
Date: 5.AUG.2024 17:08:22

Highest Band Edge / 1 RB



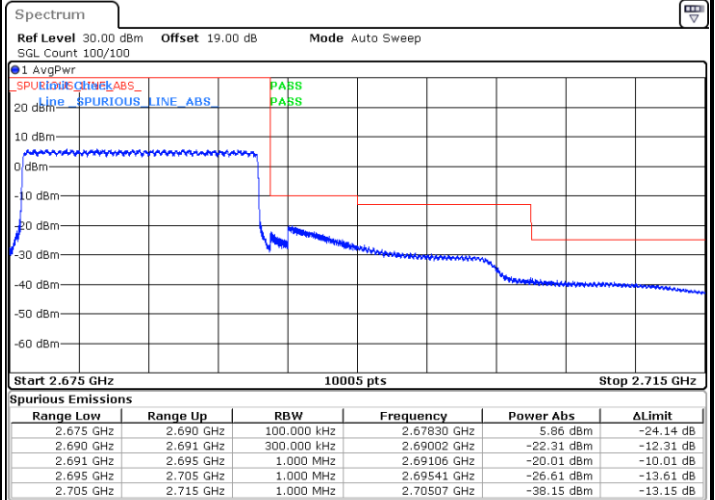
Date: 5.AUG.2024 17:17:41

Lowest Band Edge / Full RB



Date: 5.AUG.2024 17:13:04

Highest Band Edge / Full RB

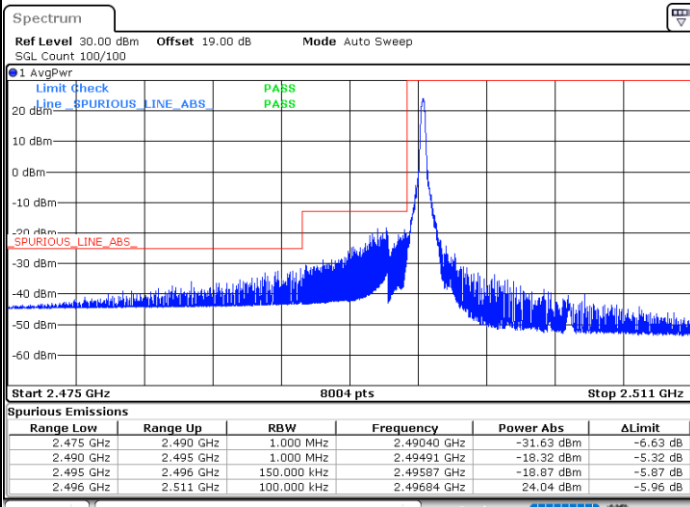


Date: 5.AUG.2024 17:22:21



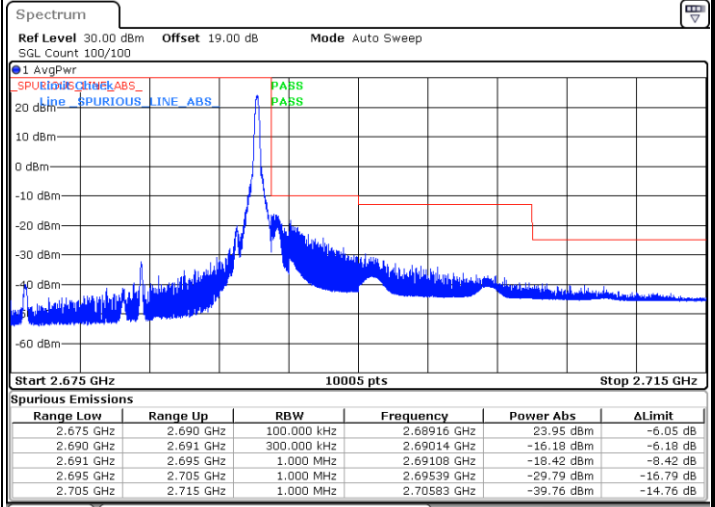
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



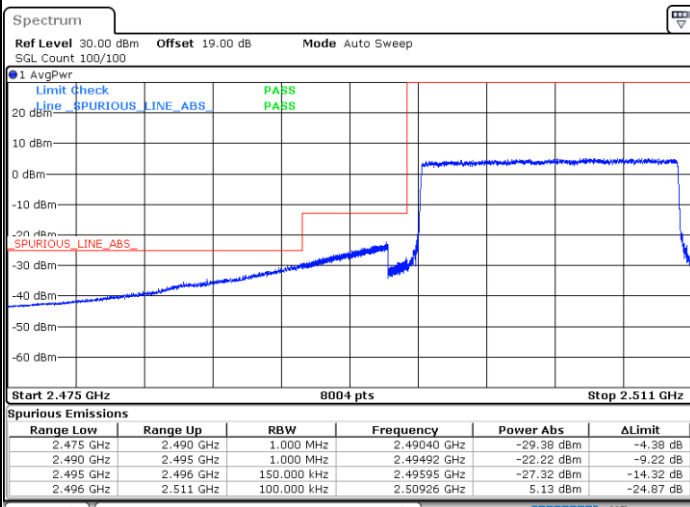
Date: 5.AUG.2024 17:09:18

Highest Band Edge / 1 RB



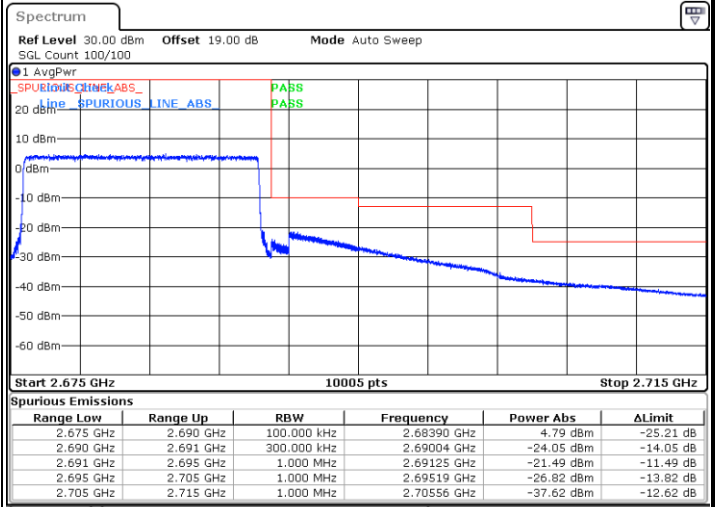
Date: 5.AUG.2024 17:18:37

Lowest Band Edge / Full RB



Date: 5.AUG.2024 17:12:07

Highest Band Edge / Full RB

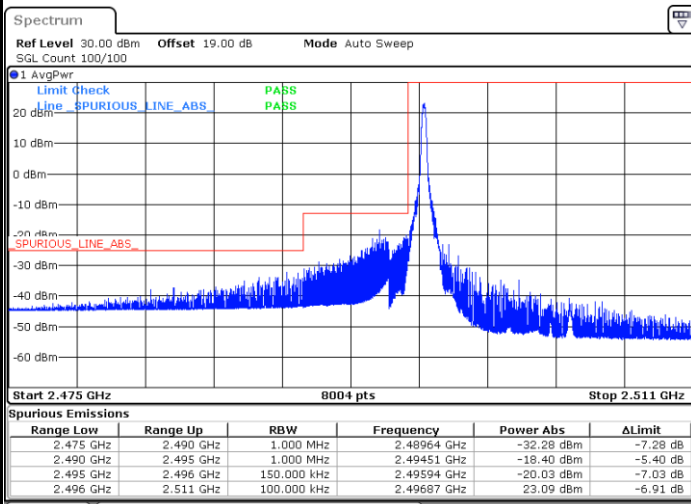


Date: 5.AUG.2024 17:21:25



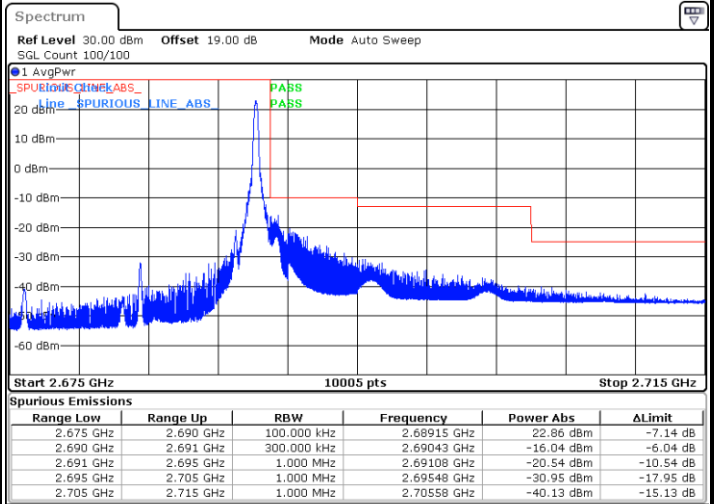
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



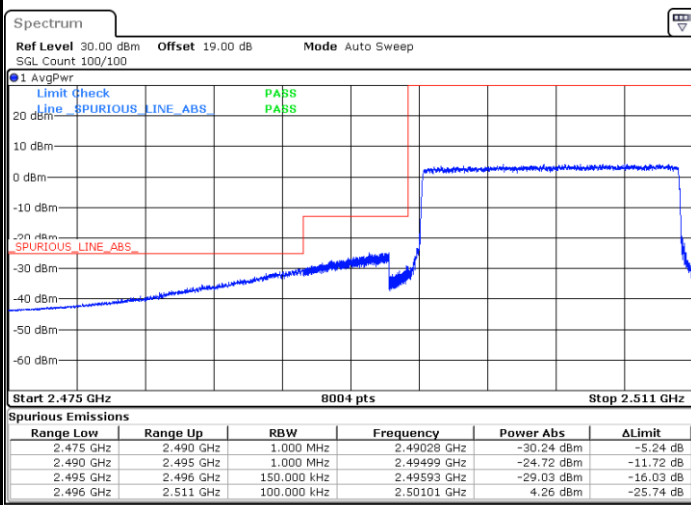
Date: 5.AUG.2024 17:10:15

Highest Band Edge / 1 RB



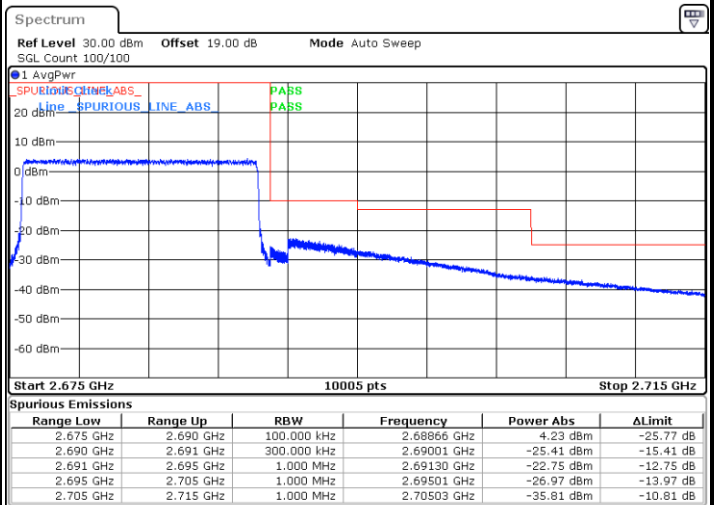
Date: 5.AUG.2024 17:19:33

Lowest Band Edge / Full RB



Date: 5.AUG.2024 17:11:11

Highest Band Edge / Full RB

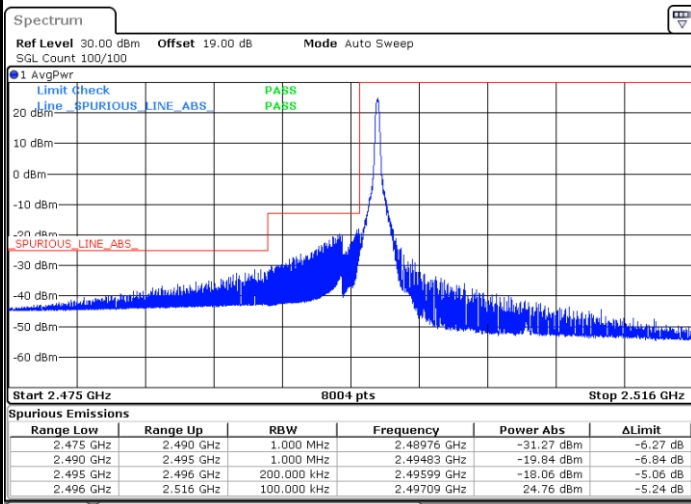


Date: 5.AUG.2024 17:20:29



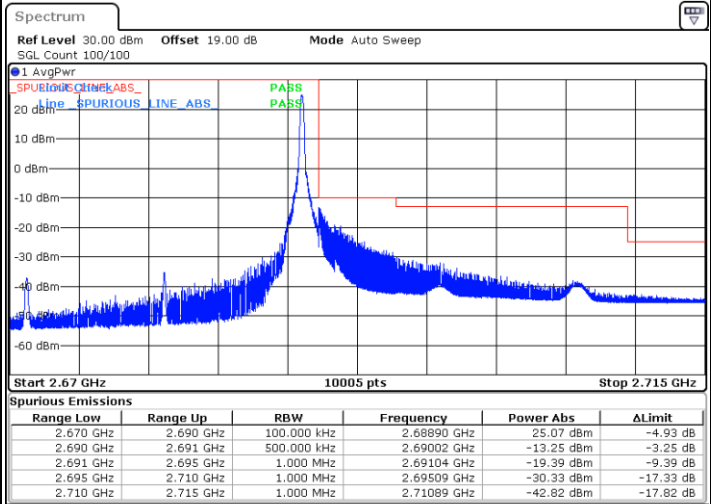
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



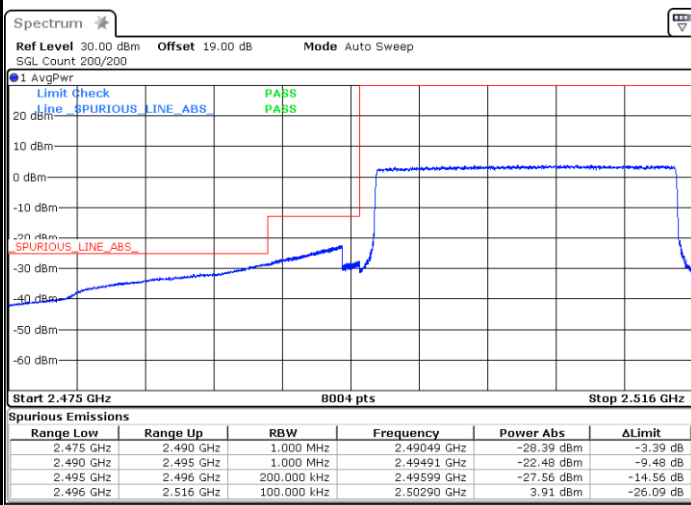
Date: 5.AUG.2024 17:25:52

Highest Band Edge / 1 RB



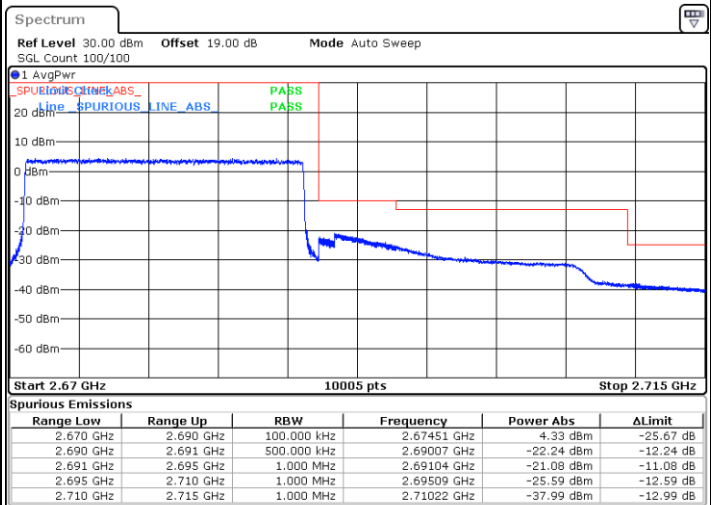
Date: 5.AUG.2024 17:36:33

Lowest Band Edge / Full RB



Date: 14.AUG.2024 18:01:06

Highest Band Edge / Full RB

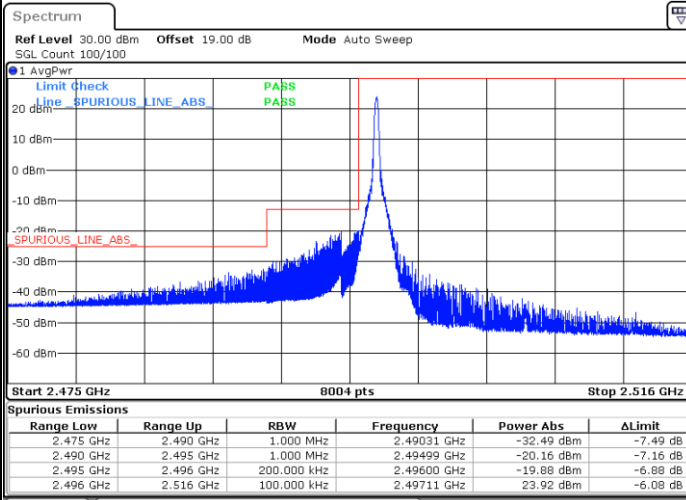


Date: 5.AUG.2024 17:41:14



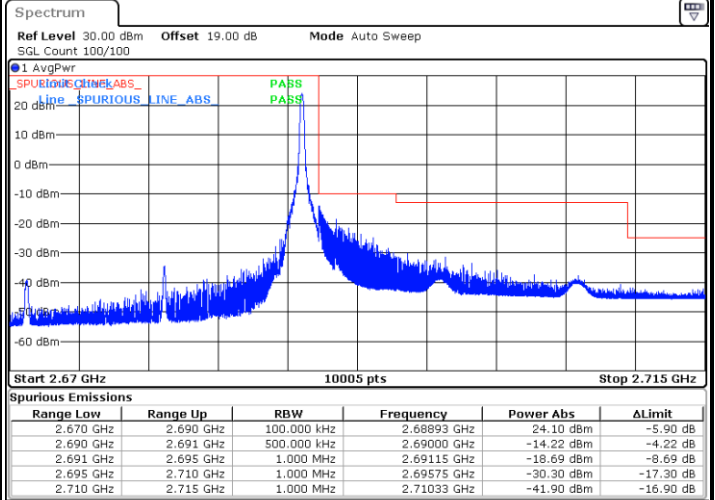
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



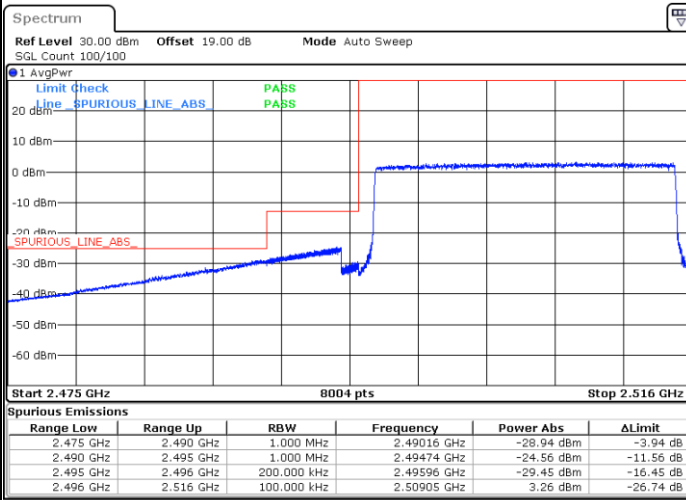
Date: 5.AUG.2024 17:26:48

Highest Band Edge / 1 RB



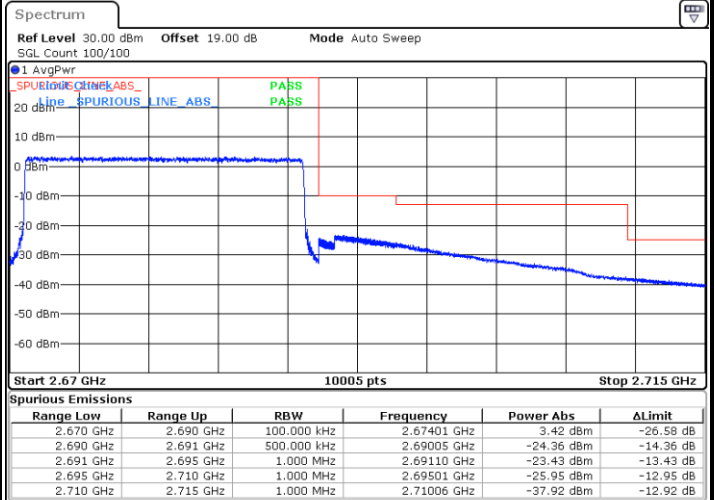
Date: 5.AUG.2024 17:37:29

Lowest Band Edge / Full RB



Date: 14.AUG.2024 17:59:13

Highest Band Edge / Full RB

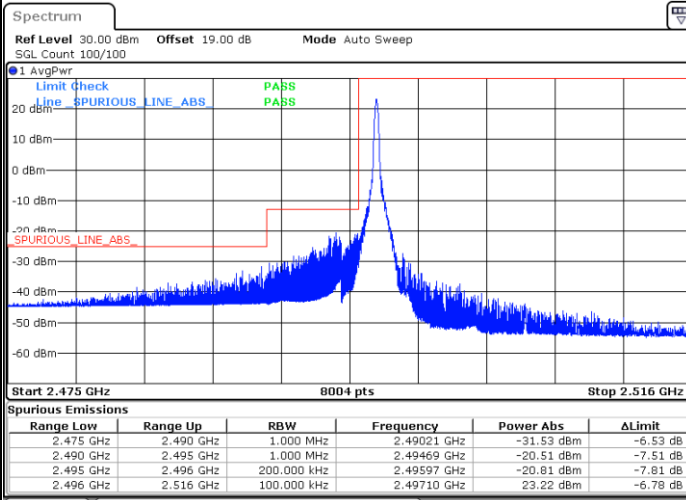


Date: 5.AUG.2024 17:40:17



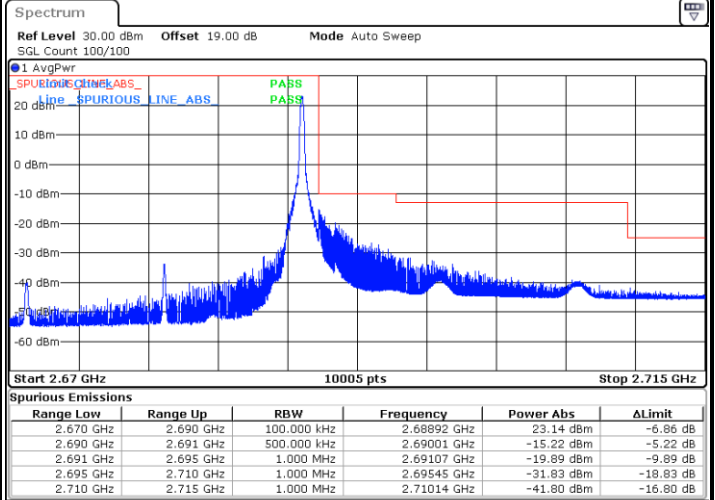
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



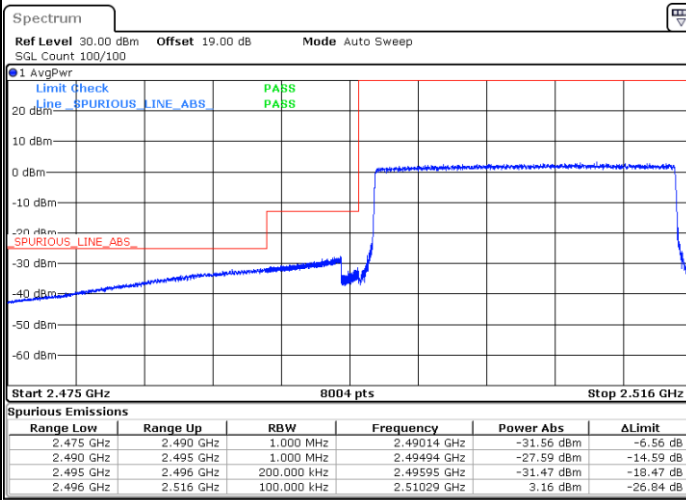
Date: 5.AUG.2024 17:27:44

Highest Band Edge / 1 RB



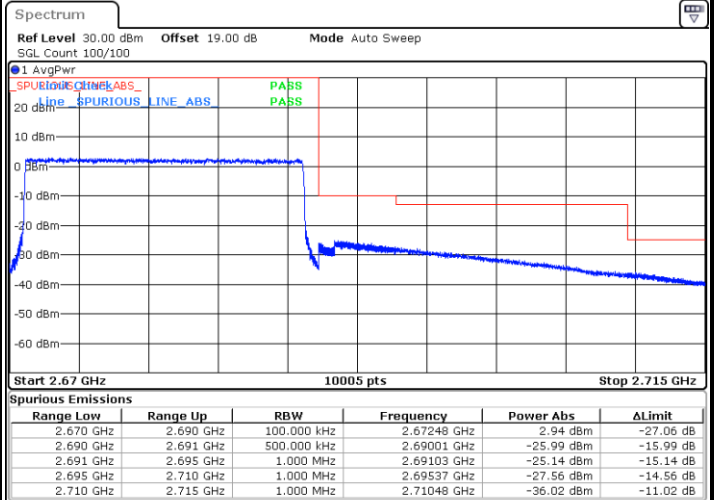
Date: 5.AUG.2024 17:38:25

Lowest Band Edge / Full RB



Date: 5.AUG.2024 17:28:41

Highest Band Edge / Full RB



Date: 5.AUG.2024 17:39:21

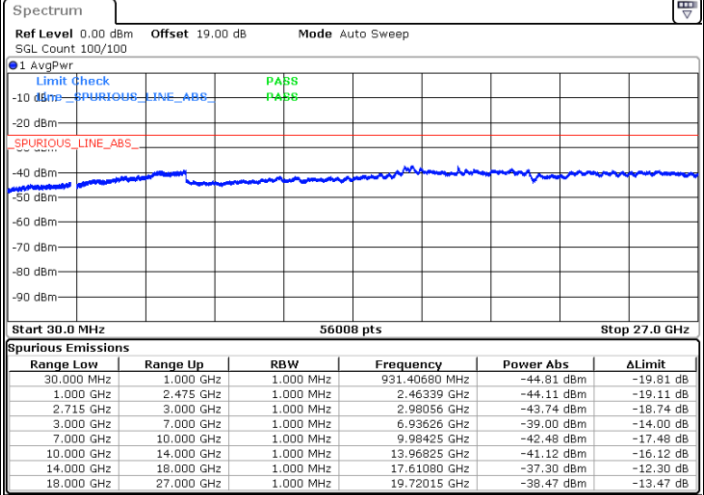
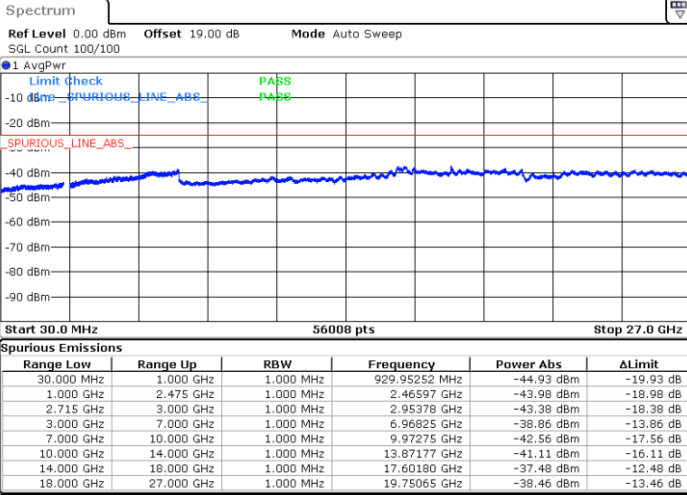


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

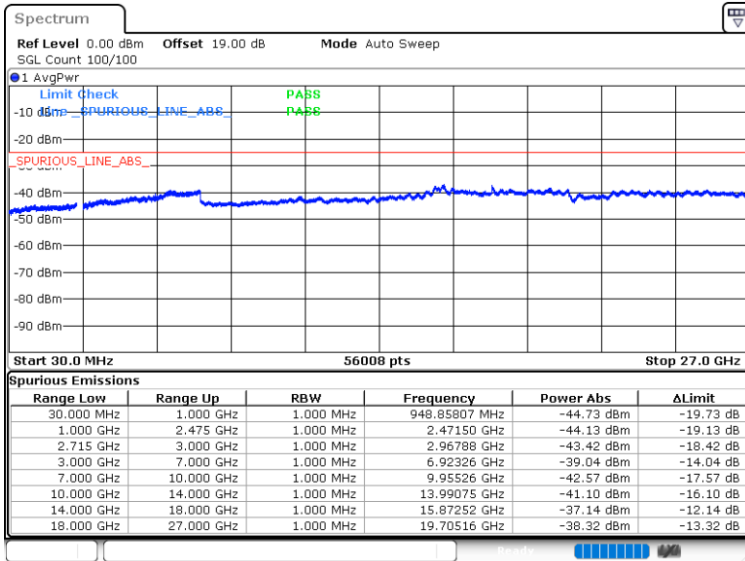
Middle Channel / QPSK



Date: 5.AUG.2024 16:38:25

Date: 5.AUG.2024 16:39:35

Highest Channel / QPSK



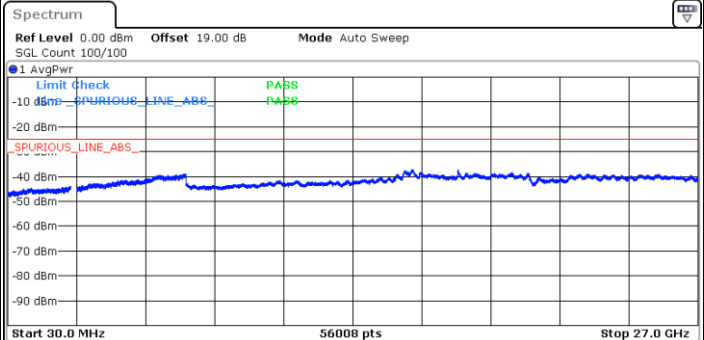
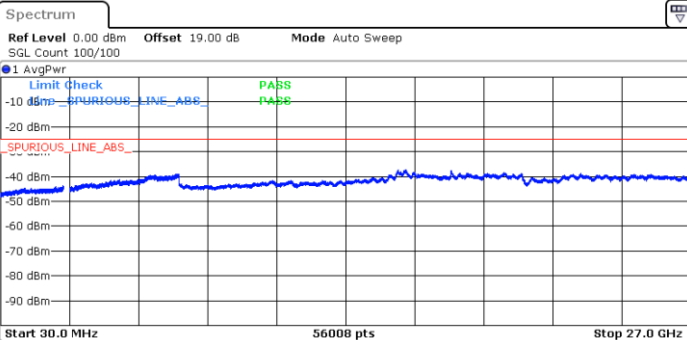
Date: 5.AUG.2024 16:48:30



LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



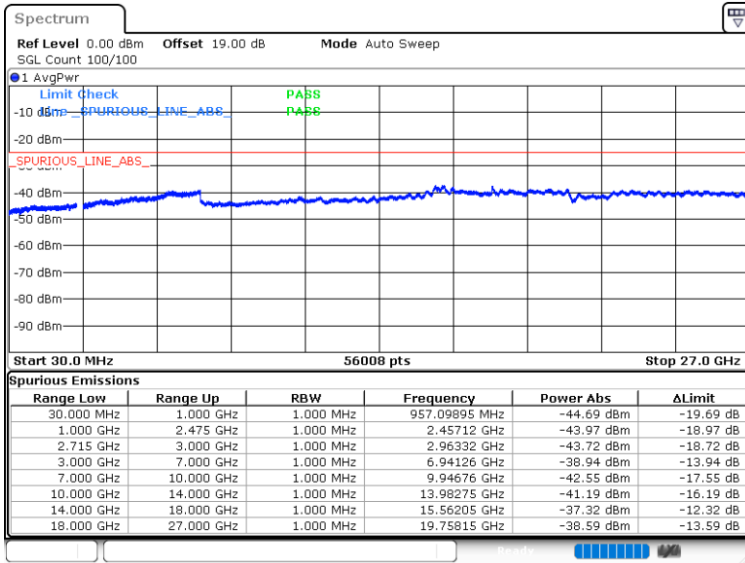
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.91904 MHz	-44.70 dBm	-19.70 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46965 GHz	-43.82 dBm	-18.82 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97016 GHz	-43.57 dBm	-18.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92676 GHz	-39.00 dBm	-14.00 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94876 GHz	-42.43 dBm	-17.43 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.87377 GHz	-41.19 dBm	-16.19 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.55806 GHz	-37.30 dBm	-12.30 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.70316 GHz	-38.51 dBm	-13.51 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-44.74 dBm	-19.74 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46597 GHz	-44.11 dBm	-19.11 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95791 GHz	-43.59 dBm	-18.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94376 GHz	-38.92 dBm	-13.92 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.97875 GHz	-42.55 dBm	-17.55 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97975 GHz	-41.07 dBm	-16.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.87202 GHz	-37.36 dBm	-12.36 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.73165 GHz	-38.45 dBm	-13.45 dB

Date: 5.AUG.2024 16:56:46

Date: 5.AUG.2024 16:57:56

Highest Channel / QPSK



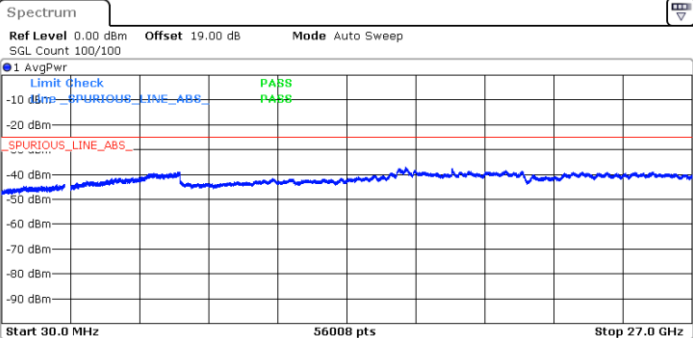
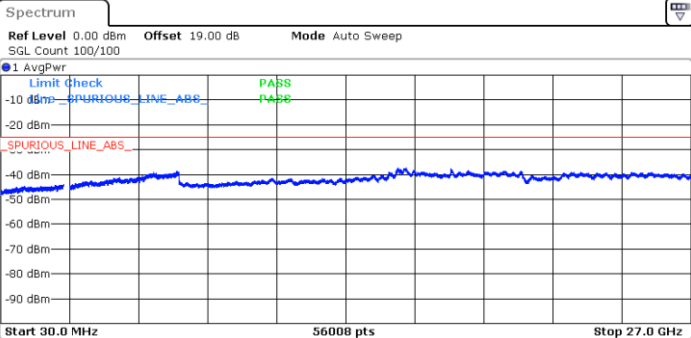
Date: 5.AUG.2024 17:06:04



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



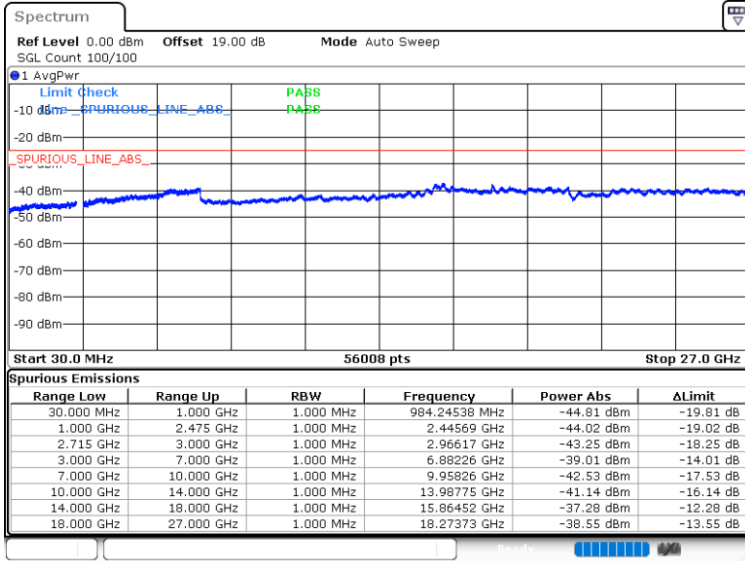
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-44.86 dBm	-19.86 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47260 GHz	-44.13 dBm	-19.13 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95065 GHz	-43.51 dBm	-18.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90176 GHz	-38.78 dBm	-13.78 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95476 GHz	-42.67 dBm	-17.67 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.94526 GHz	-41.28 dBm	-16.28 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.85902 GHz	-37.38 dBm	-12.38 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.30773 GHz	-38.54 dBm	-13.54 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.44328 MHz	-44.82 dBm	-19.82 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46855 GHz	-44.10 dBm	-19.10 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95535 GHz	-43.39 dBm	-18.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92626 GHz	-38.99 dBm	-13.99 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99625 GHz	-42.67 dBm	-17.67 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95176 GHz	-41.02 dBm	-16.02 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.81302 GHz	-36.97 dBm	-11.97 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.74165 GHz	-38.49 dBm	-13.49 dB

Date: 5.AUG.2024 17:14:14

Date: 5.AUG.2024 17:15:24

Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.24538 MHz	-44.81 dBm	-19.81 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.44569 GHz	-44.02 dBm	-19.02 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96617 GHz	-43.25 dBm	-18.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88226 GHz	-39.01 dBm	-14.01 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95826 GHz	-42.53 dBm	-17.53 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98775 GHz	-41.14 dBm	-16.14 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.86452 GHz	-37.28 dBm	-12.28 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.27373 GHz	-38.55 dBm	-13.55 dB

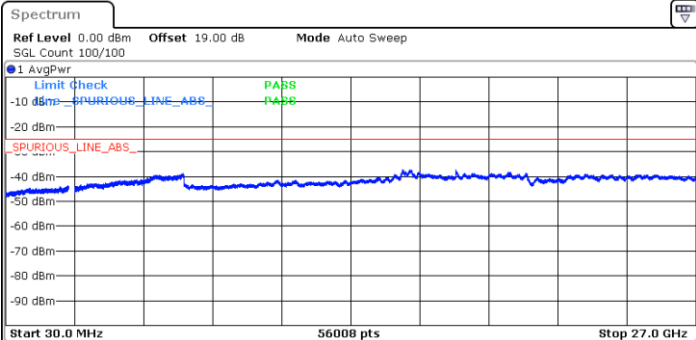
Date: 5.AUG.2024 17:23:32



LTE Band 41 / 20MHz

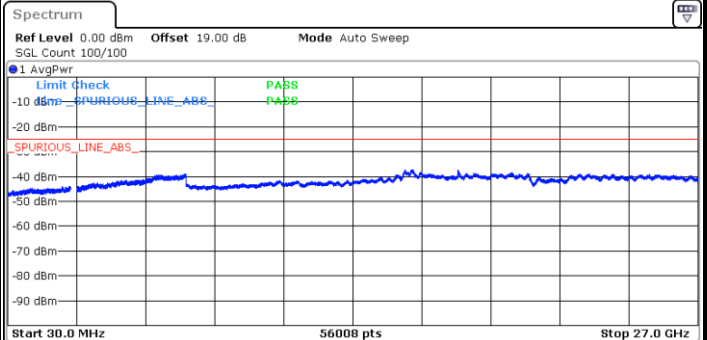
Lowest Channel / QPSK

Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.70865 MHz	-44.79 dBm	-19.79 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46965 GHz	-43.64 dBm	-18.64 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95962 GHz	-43.48 dBm	-18.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95576 GHz	-38.86 dBm	-13.86 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94776 GHz	-42.72 dBm	-17.72 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90276 GHz	-41.19 dBm	-16.19 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.81602 GHz	-37.39 dBm	-12.39 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.75065 GHz	-38.39 dBm	-13.39 dB

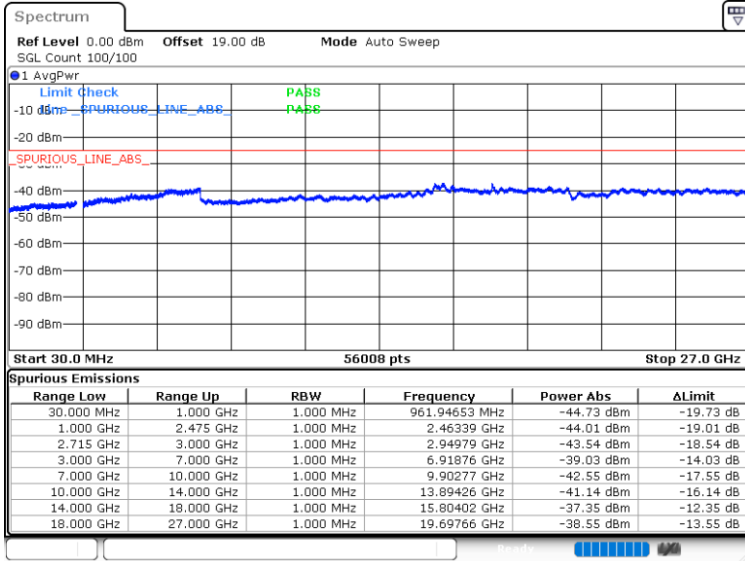
Date: 5.AUG.2024 17:31:43



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.67216 MHz	-44.84 dBm	-19.84 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.43648 GHz	-43.93 dBm	-18.93 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97515 GHz	-43.55 dBm	-18.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93626 GHz	-38.94 dBm	-13.94 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99575 GHz	-42.57 dBm	-17.57 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96075 GHz	-41.12 dBm	-16.12 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.81452 GHz	-37.22 dBm	-12.22 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.72465 GHz	-38.46 dBm	-13.46 dB

Date: 5.AUG.2024 17:32:53

Highest Channel / QPSK



Date: 5.AUG.2024 17:42:24



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	0.0003	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0051	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

Note:

1. Normal Voltage = 8.0 V. ; Battery End Point (BEP) = 7.2 V. ; Maximum Voltage = 9.0 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7(Other PA)

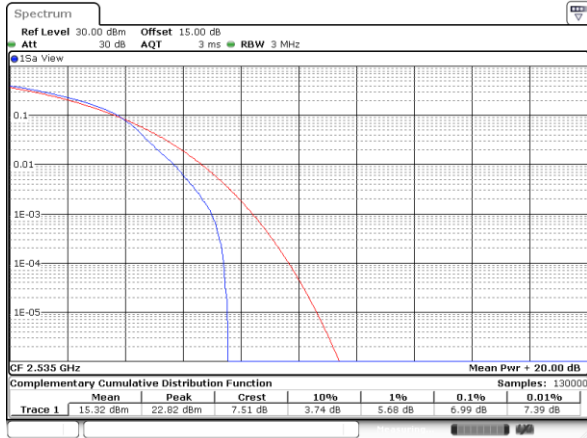
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	6.99	7.39	7.54	PASS



LTE Band 7 / 20MHz / QPSK

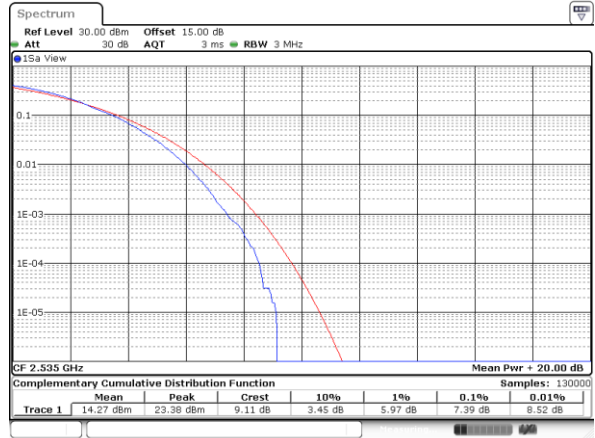
Middle Channel / Full RB



Date: 21 AUG 2024 18:45:52

LTE Band 7 / 20MHz / 16QAM

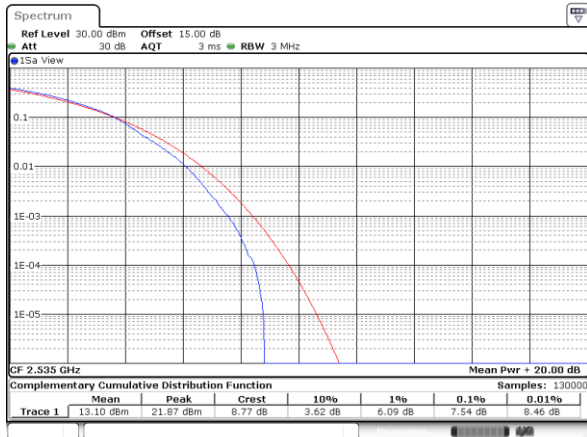
Middle Channel / Full RB



Date: 21 AUG 2024 18:46:20

LTE Band 7 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 21 AUG 2024 18:46:48



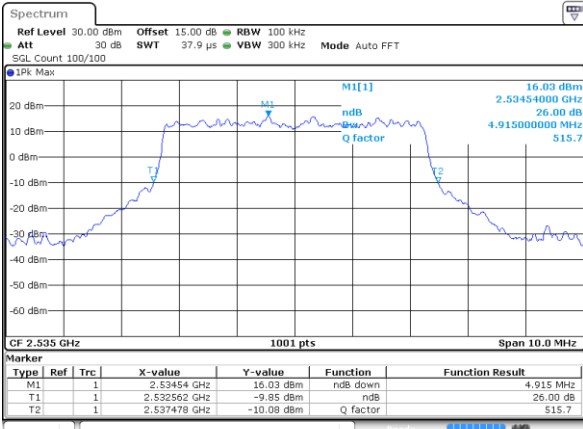
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.92	5.02	10.21	9.91	14.54	14.63	19.02	19.18



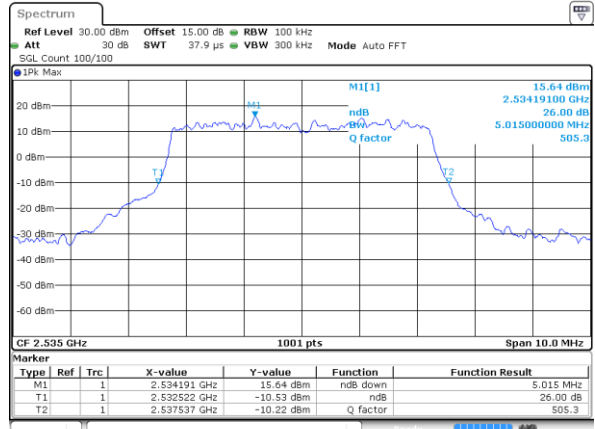
LTE Band 7

Middle Channel / 5MHz / QPSK



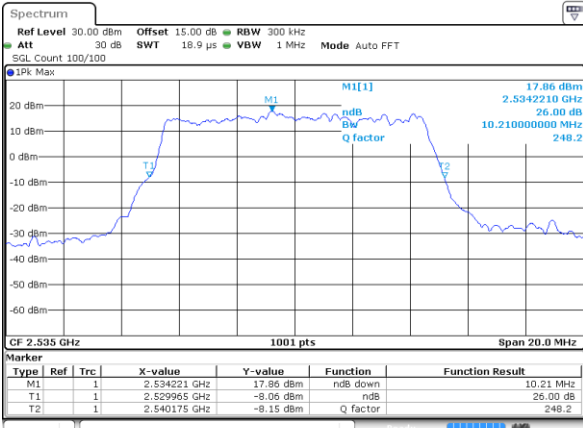
Date: 21 AUG 2024 17:18:52

Middle Channel / 5MHz / 16QAM



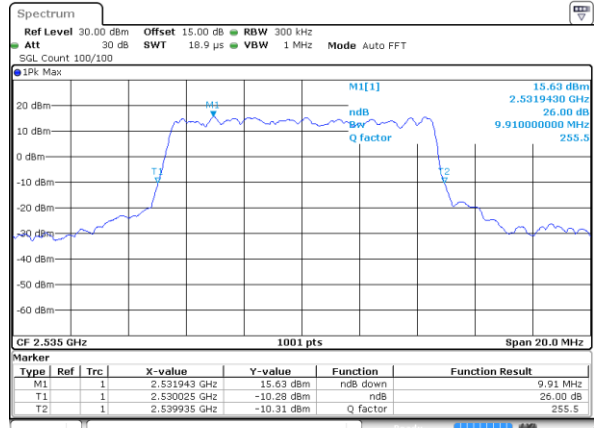
Date: 21 AUG 2024 17:19:32

Middle Channel / 10MHz / QPSK



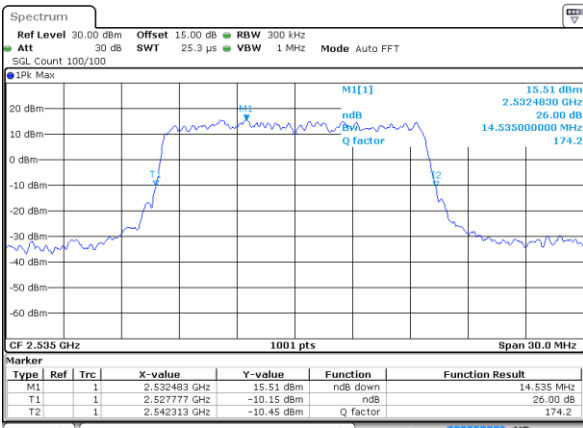
Date: 21 AUG 2024 17:38:06

Middle Channel / 10MHz / 16QAM



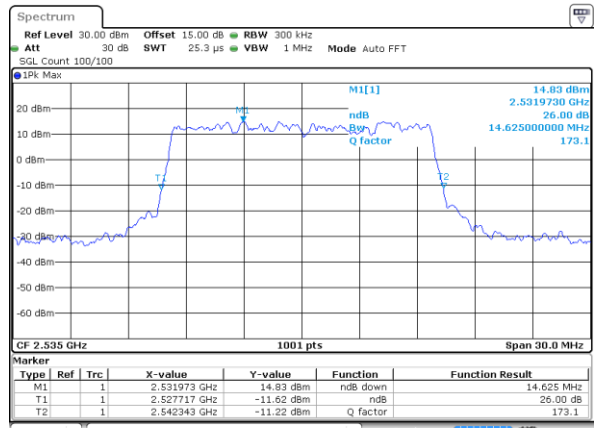
Date: 21 AUG 2024 17:38:45

Middle Channel / 15MHz / QPSK



Date: 21 AUG 2024 17:56:41

Middle Channel / 15MHz / 16QAM

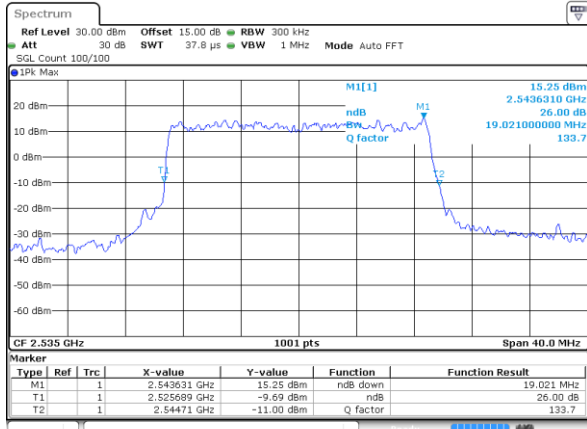


Date: 21 AUG 2024 17:57:20



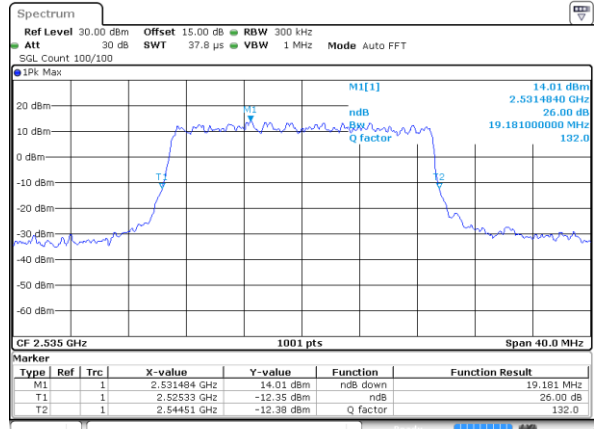
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 21 AUG 2024 18:44:45

Middle Channel / 20MHz / 16QAM



Date: 21 AUG 2024 18:45:25



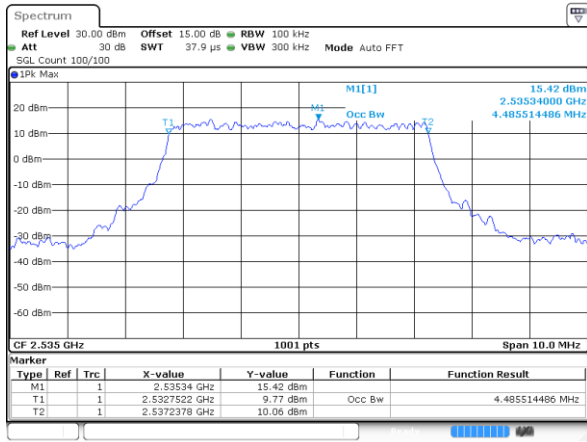
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.48	9.03	8.99	13.43	13.43	17.86	17.82



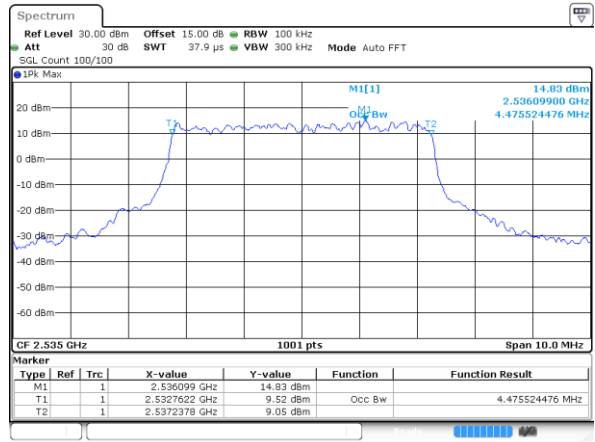
LTE Band 7

Middle Channel / 5MHz / QPSK



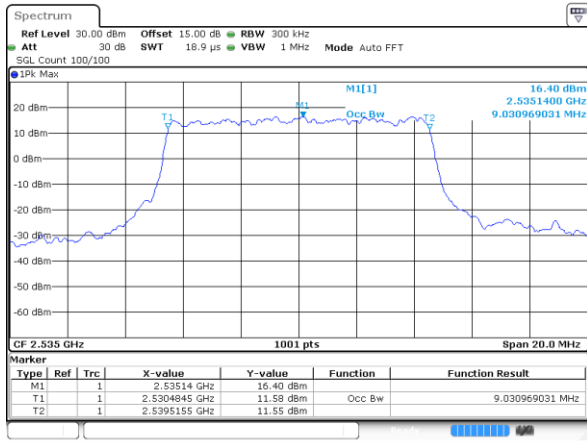
Date: 21 AUG 2024 17:18:38

Middle Channel / 5MHz / 16QAM



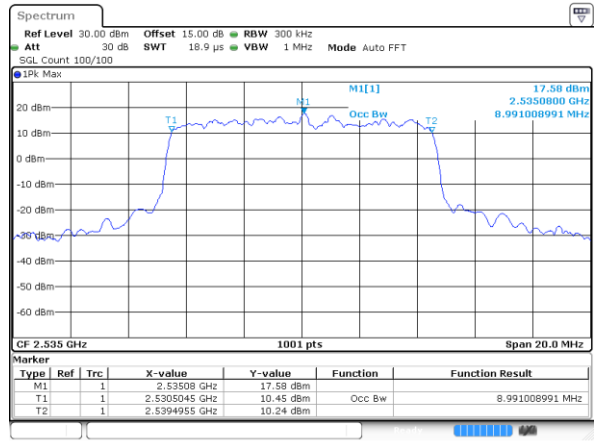
Date: 21 AUG 2024 17:19:18

Middle Channel / 10MHz / QPSK



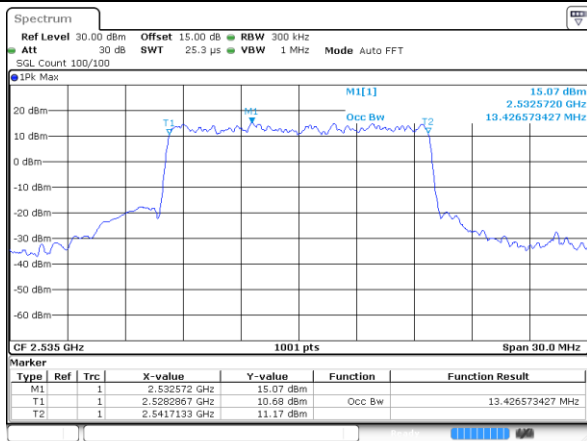
Date: 21 AUG 2024 17:37:52

Middle Channel / 10MHz / 16QAM



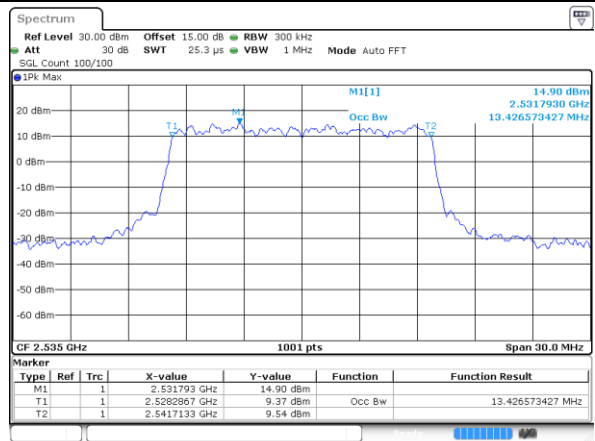
Date: 21 AUG 2024 17:38:31

Middle Channel / 15MHz / QPSK



Date: 21 AUG 2024 17:56:27

Middle Channel / 15MHz / 16QAM

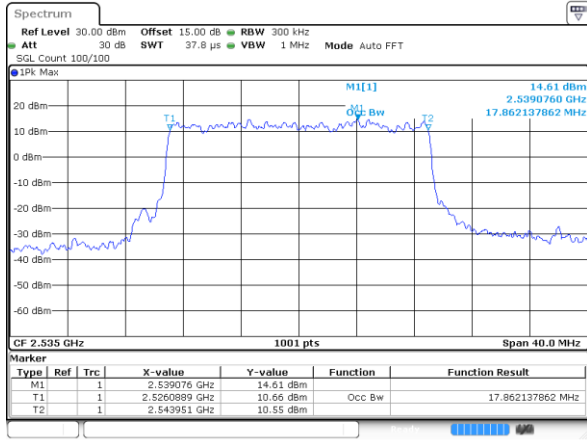


Date: 21 AUG 2024 17:57:07



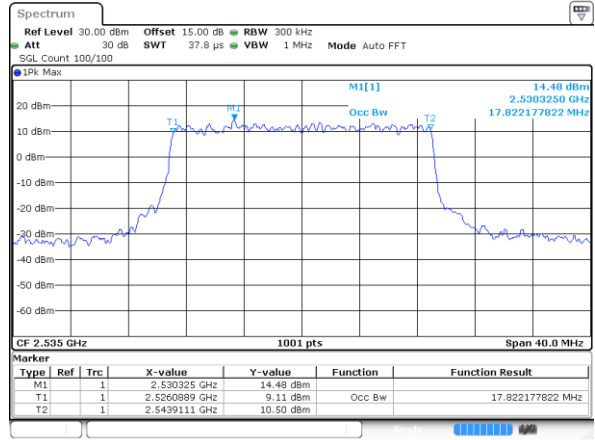
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 21 AUG 2024 18:44:32

Middle Channel / 20MHz / 16QAM



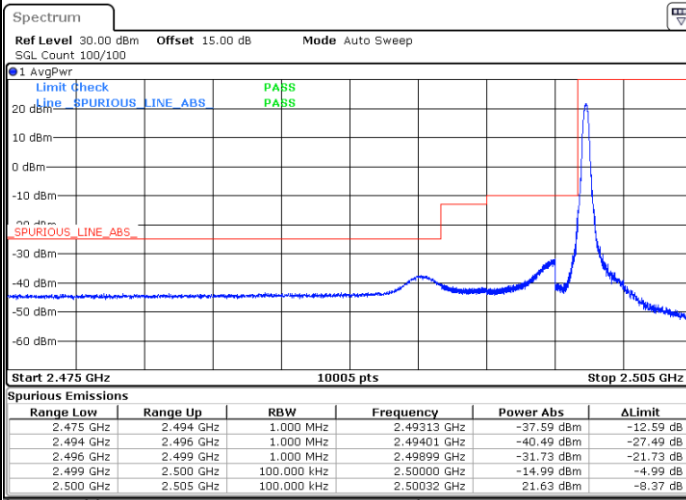
Date: 21 AUG 2024 18:45:11



Conducted Band Edge

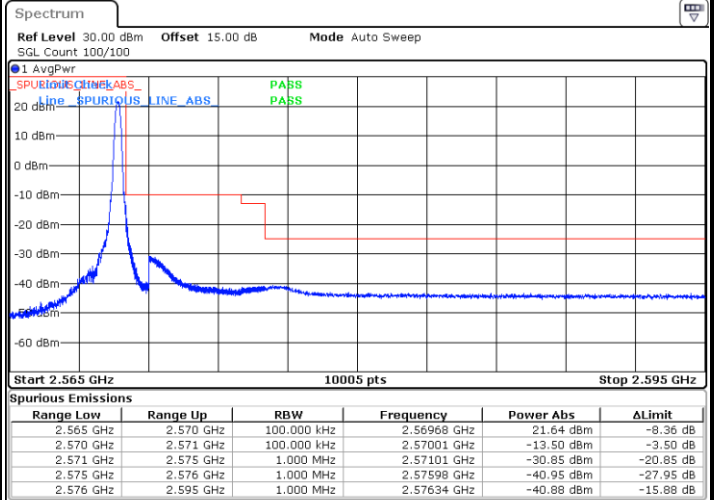
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



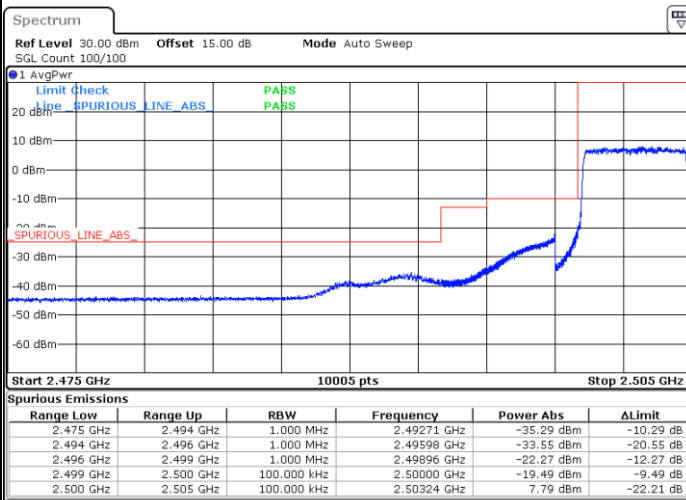
Date: 21 AUG 2024 17:11:42

Highest Band Edge / 1 RB



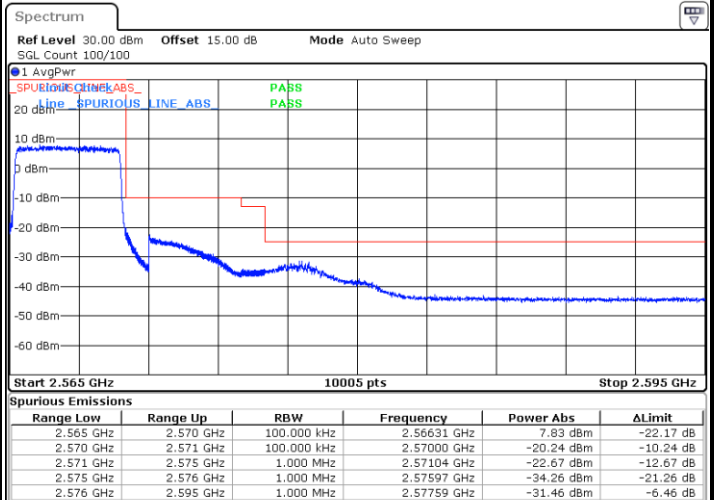
Date: 21 AUG 2024 17:20:22

Lowest Band Edge / Full RB



Date: 21 AUG 2024 17:14:17

Highest Band Edge / Full RB

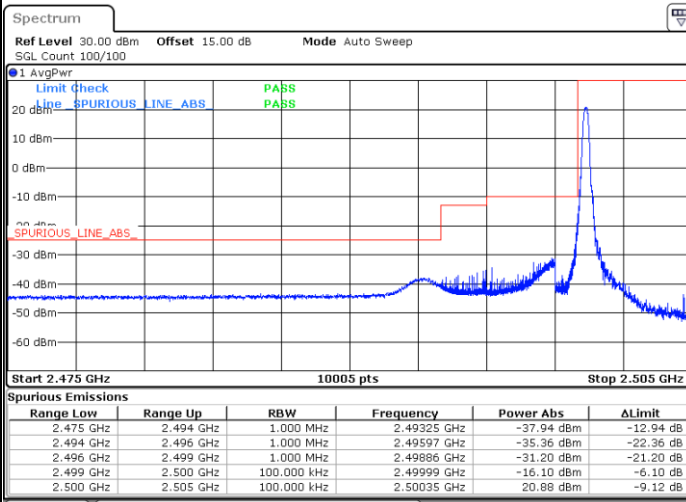


Date: 21 AUG 2024 17:22:56



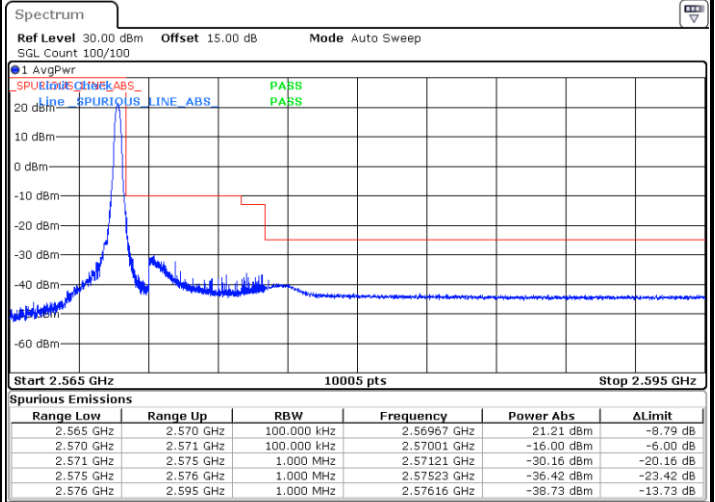
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



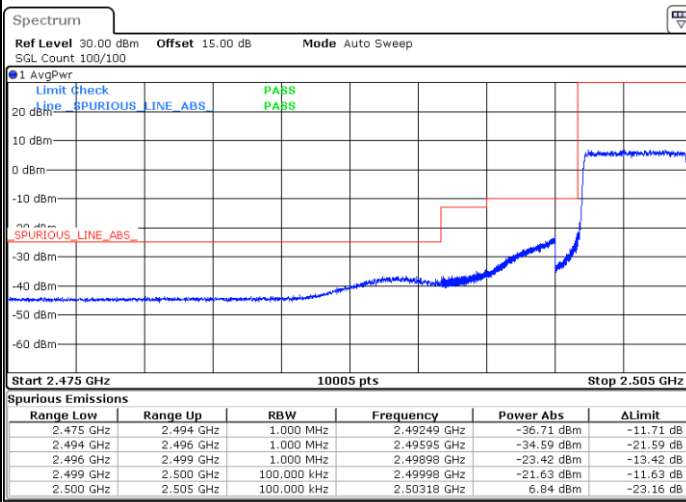
Date: 21 AUG. 2024 17:12:34

Highest Band Edge / 1 RB



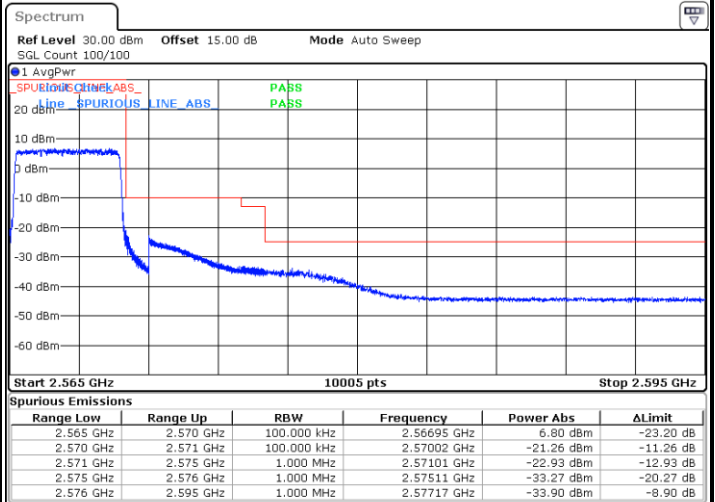
Date: 21 AUG. 2024 17:21:13

Lowest Band Edge / Full RB



Date: 21 AUG. 2024 17:15:10

Highest Band Edge / Full RB

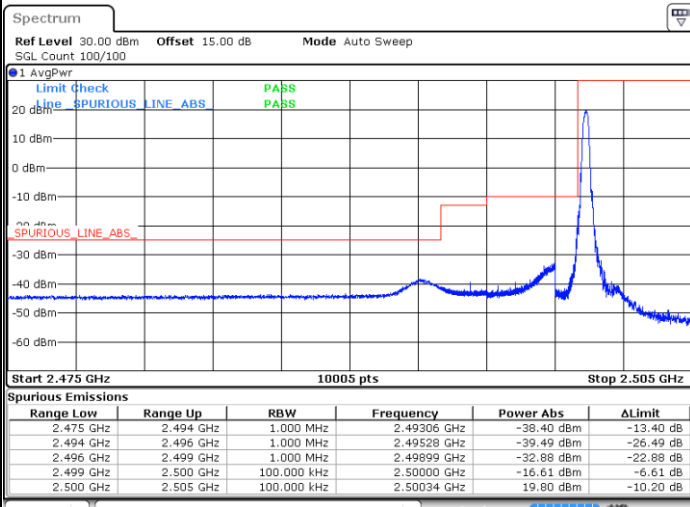


Date: 21 AUG. 2024 17:23:47



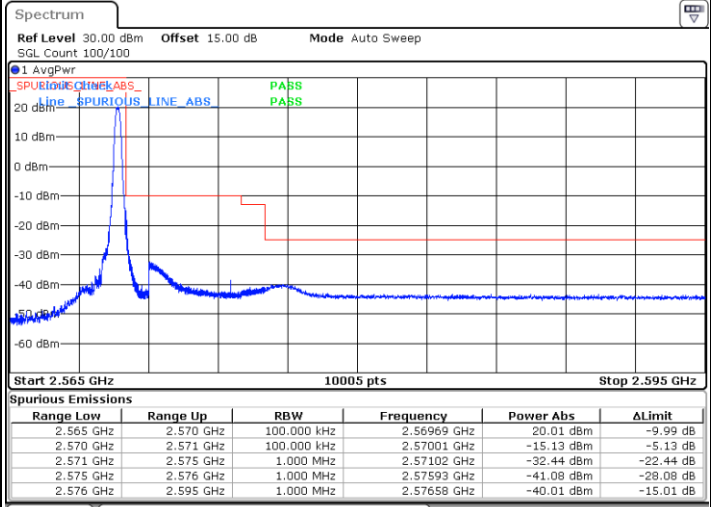
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



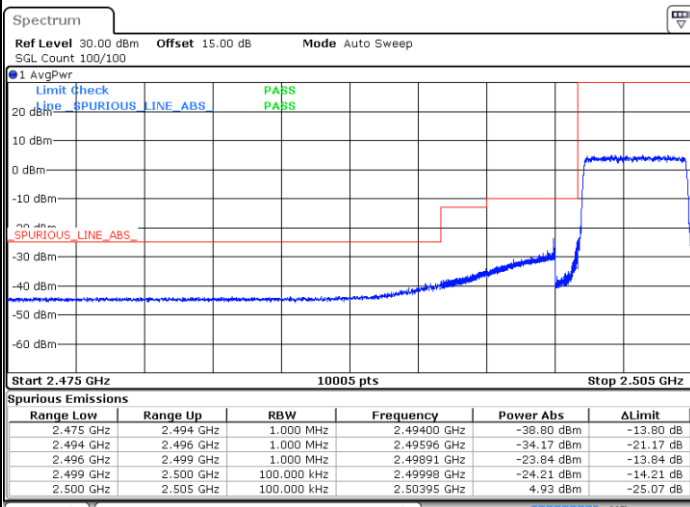
Date: 21 AUG. 2024 17:13:25

Highest Band Edge / 1 RB



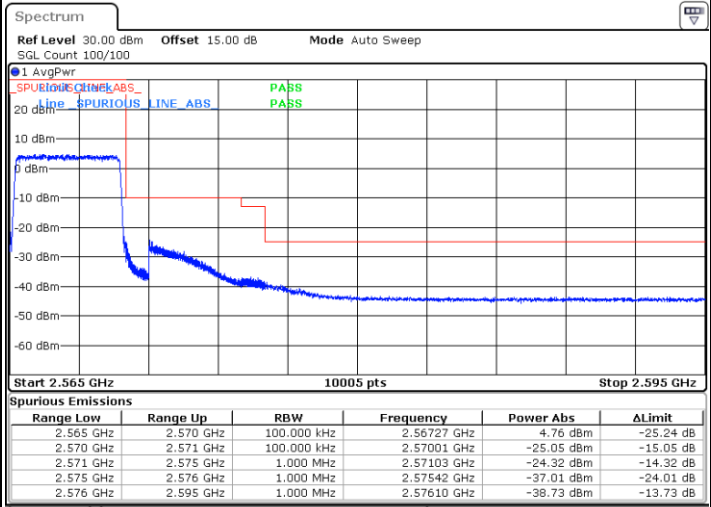
Date: 21 AUG. 2024 17:22:05

Lowest Band Edge / Full RB



Date: 21 AUG. 2024 17:16:02

Highest Band Edge / Full RB



Date: 21 AUG. 2024 17:24:40