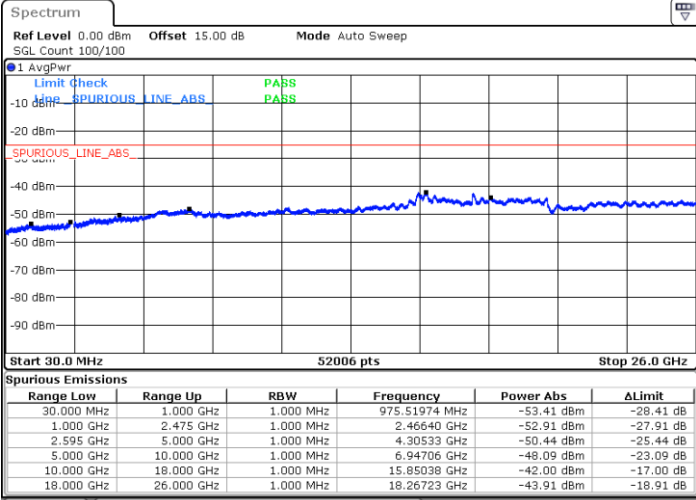




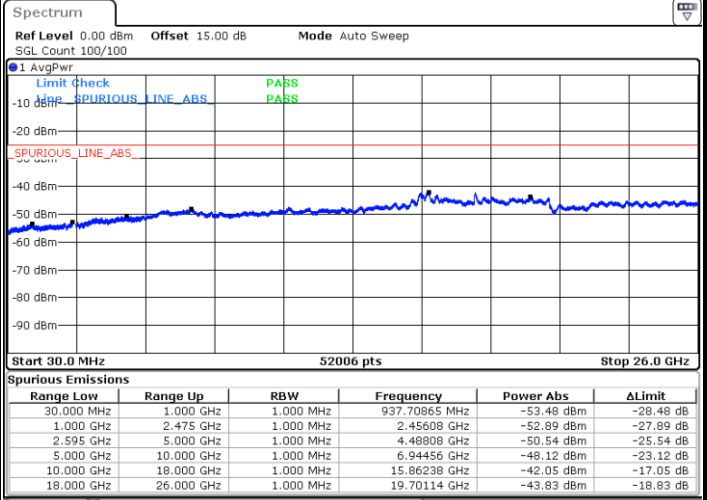
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

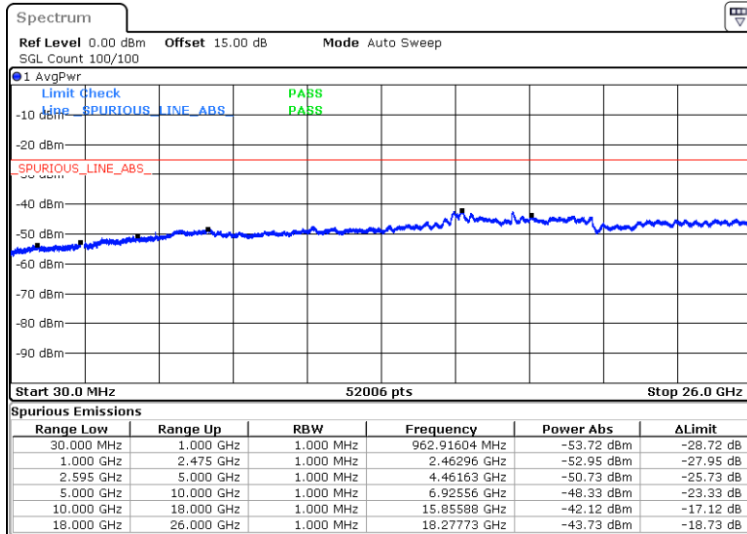


Date: 14.SEP.2024 03:24:04



Date: 14.SEP.2024 03:25:28

Highest Channel / QPSK



Date: 14.SEP.2024 03:34:39



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

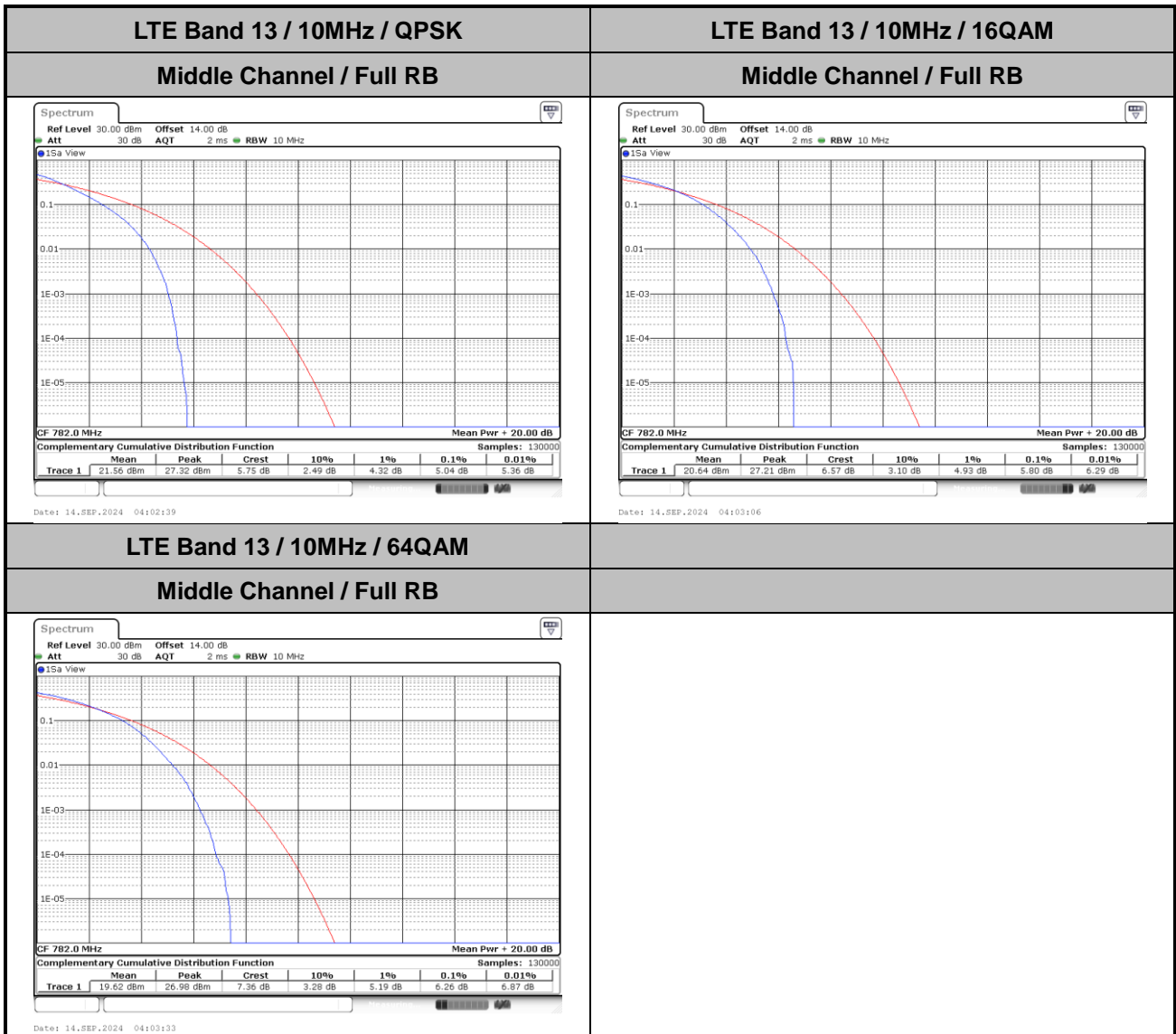
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

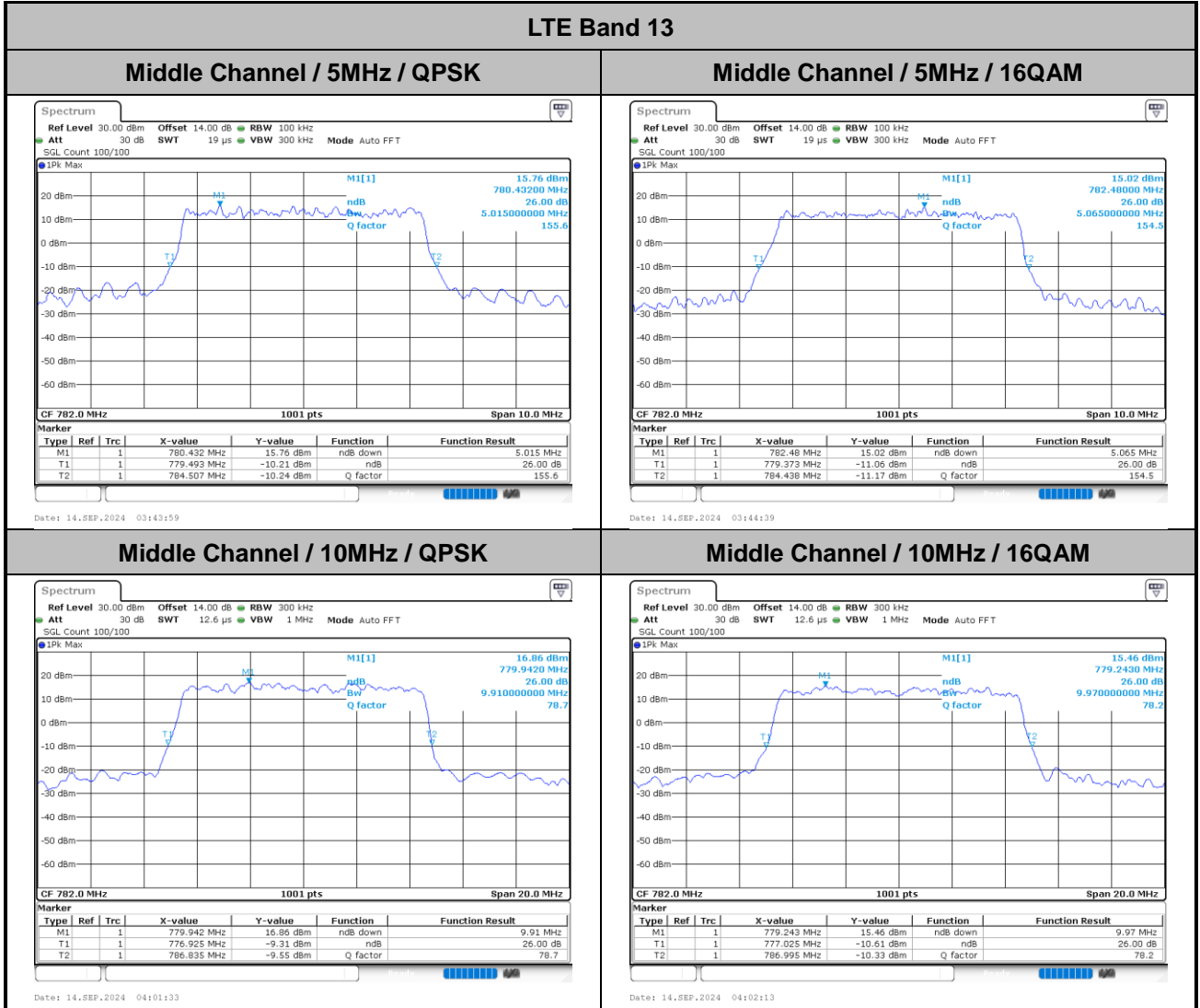
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.04	5.80	6.26	PASS





26dB Bandwidth

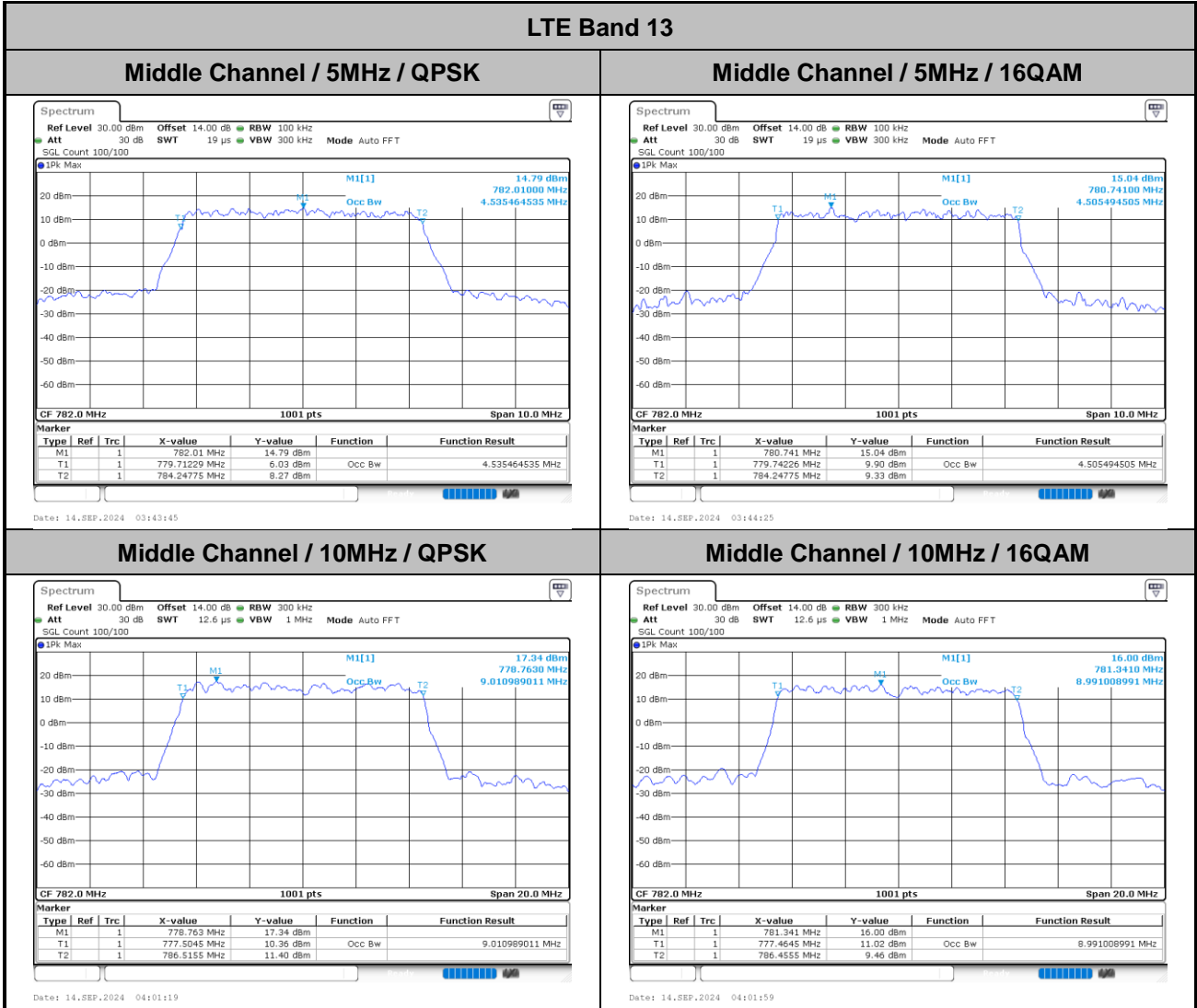
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.02	5.07	9.91	9.97	-	-	-	-





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.54	4.51	9.01	8.99	-	-	-	-



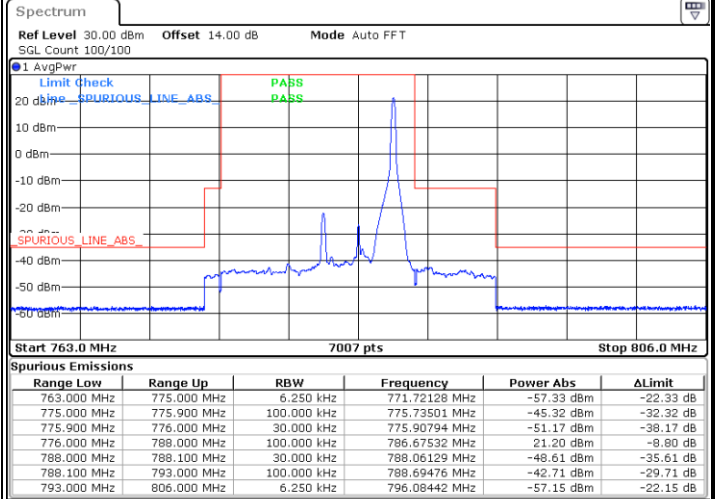
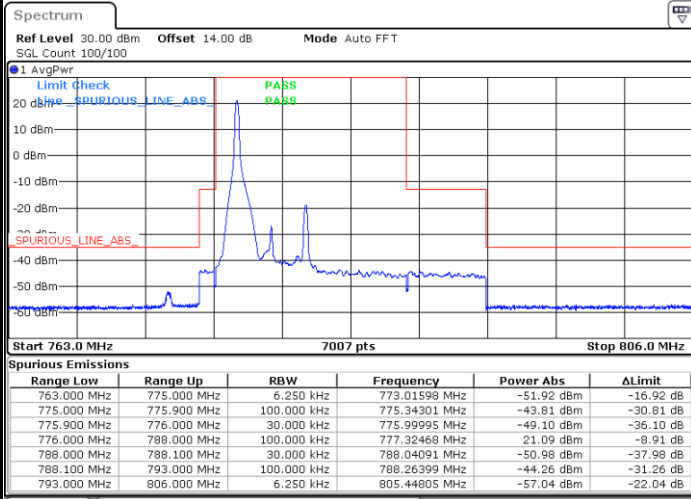


Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

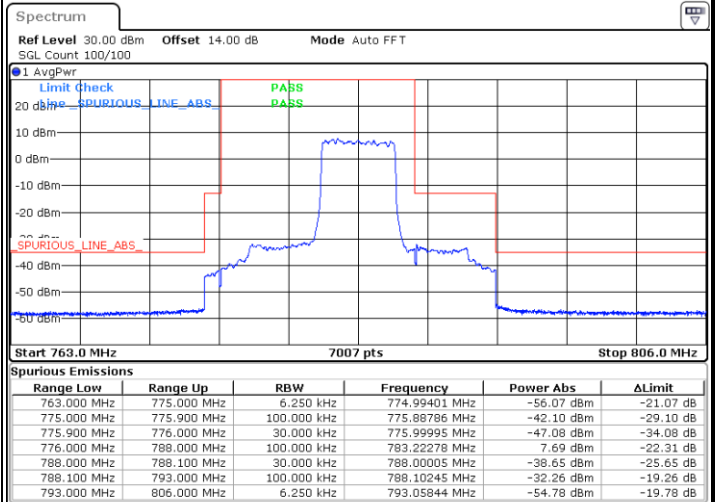
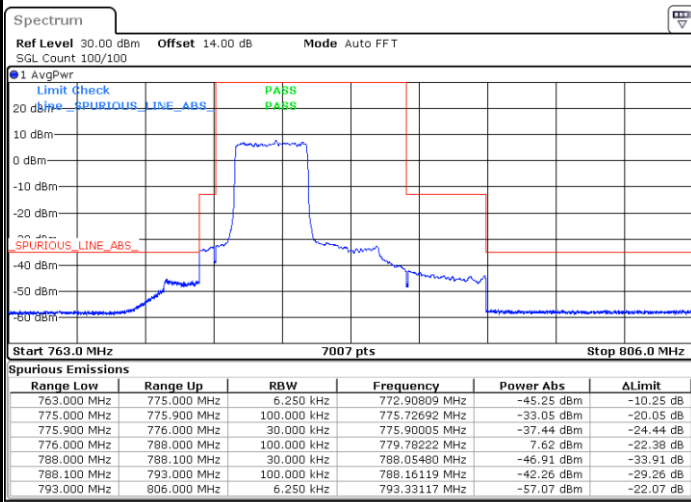


Date: 14.SEP.2024 03:36:14

Date: 14.SEP.2024 03:45:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.SEP.2024 03:38:48

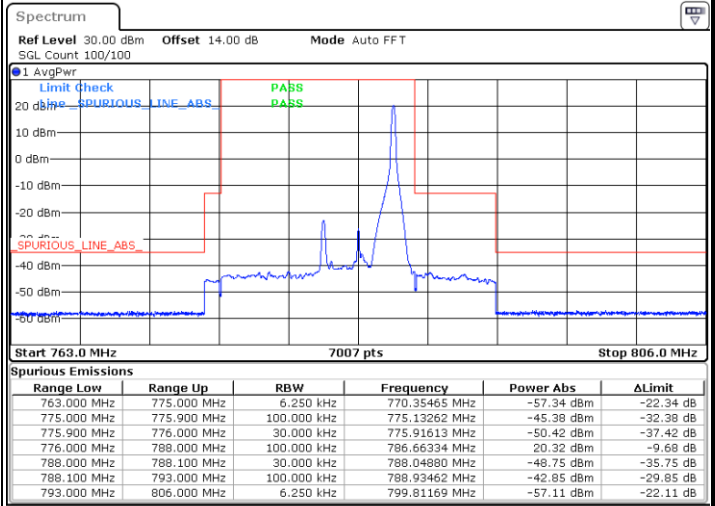
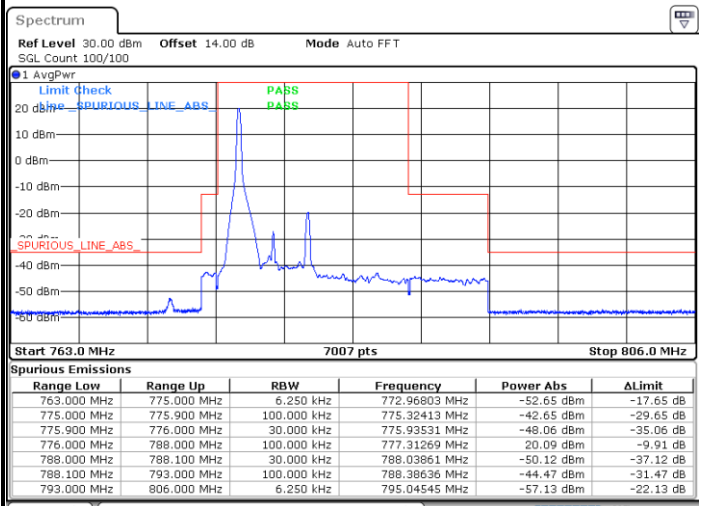
Date: 14.SEP.2024 03:48:02



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

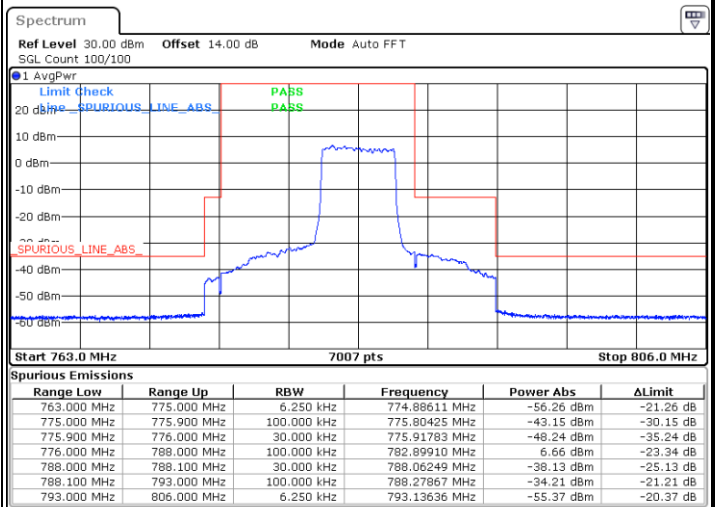
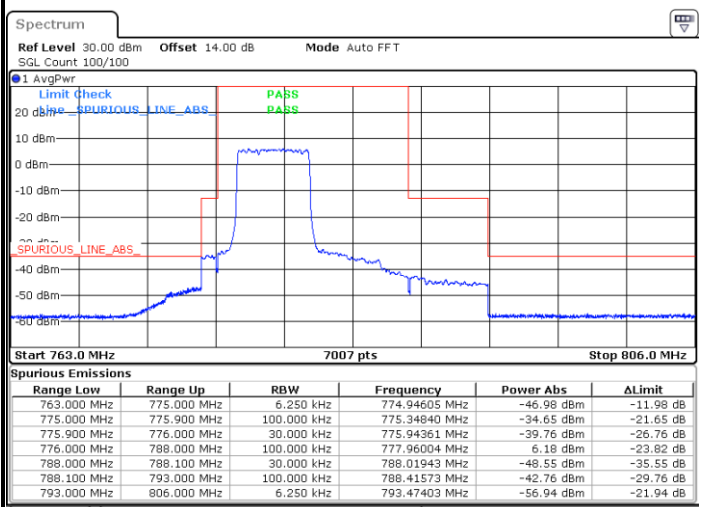


Date: 14.SEP.2024 03:37:05

Date: 14.SEP.2024 03:46:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.SEP.2024 03:39:39

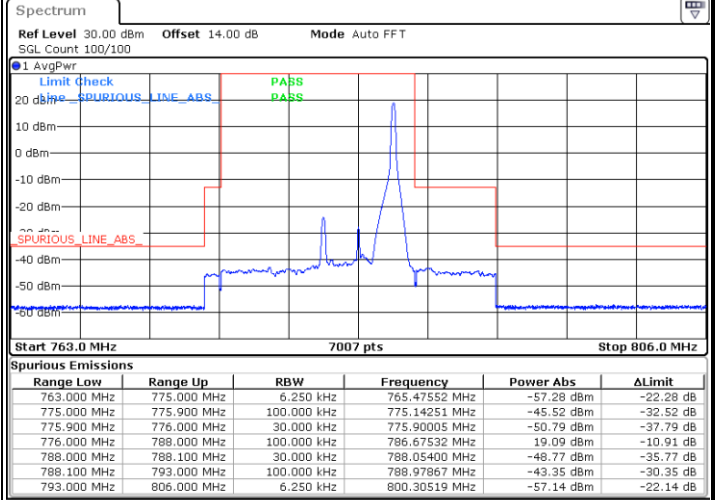
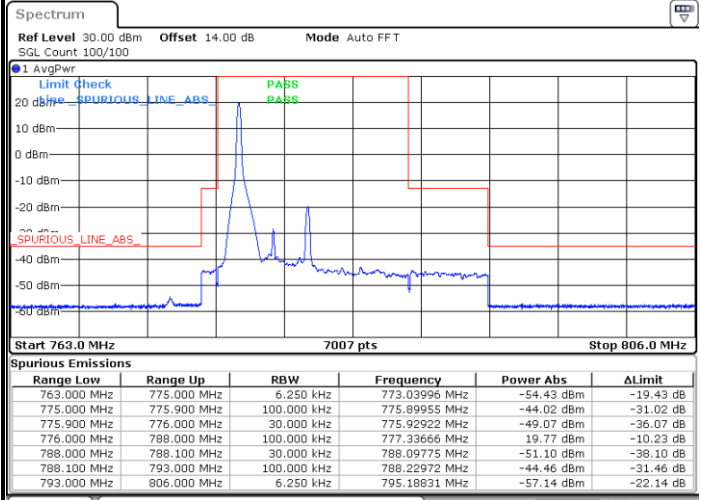
Date: 14.SEP.2024 03:48:53



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

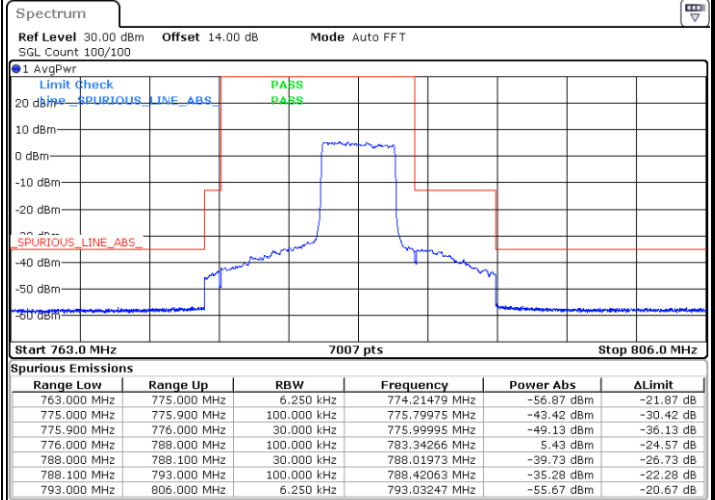
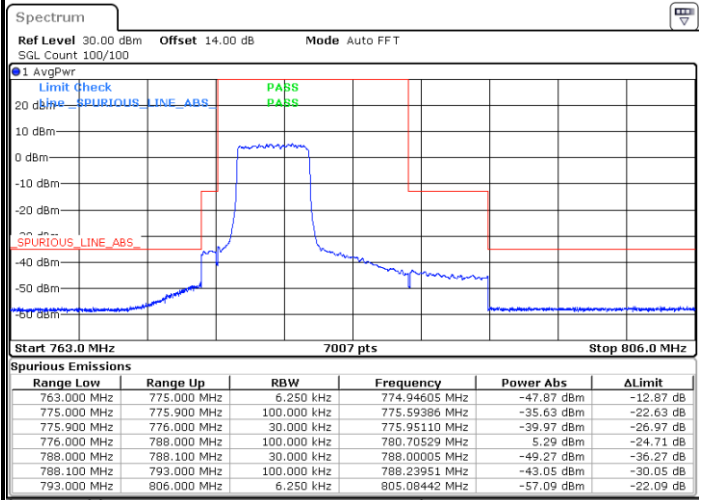


Date: 14.SEP.2024 03:37:56

Date: 14.SEP.2024 03:47:11

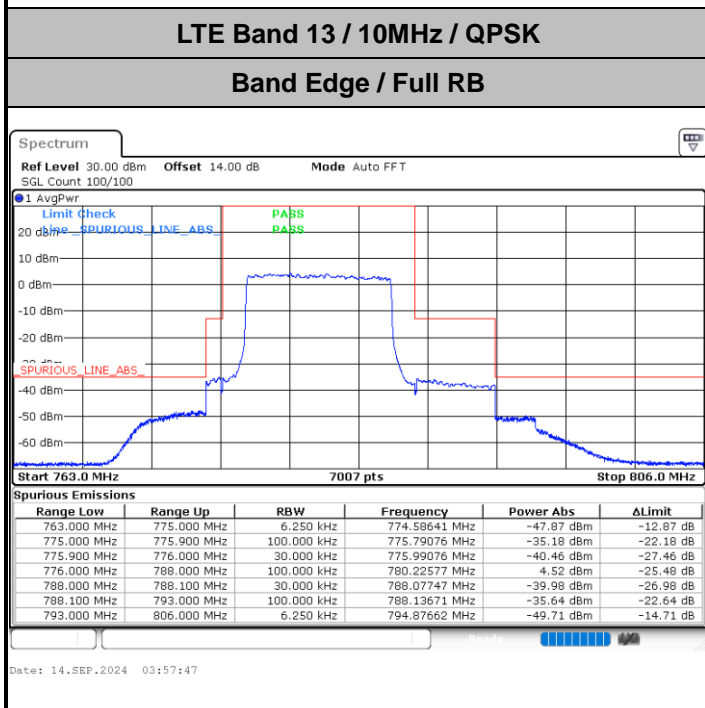
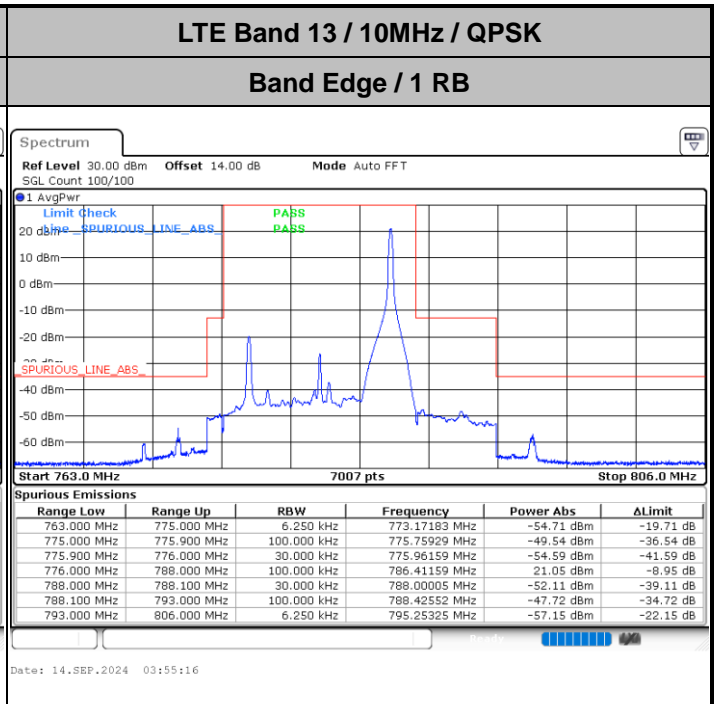
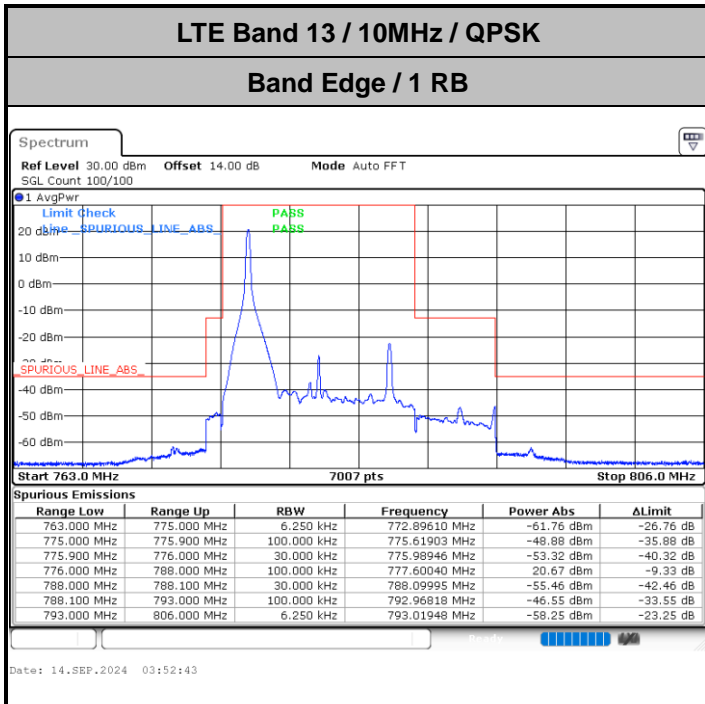
Lowest Band Edge / Full RB

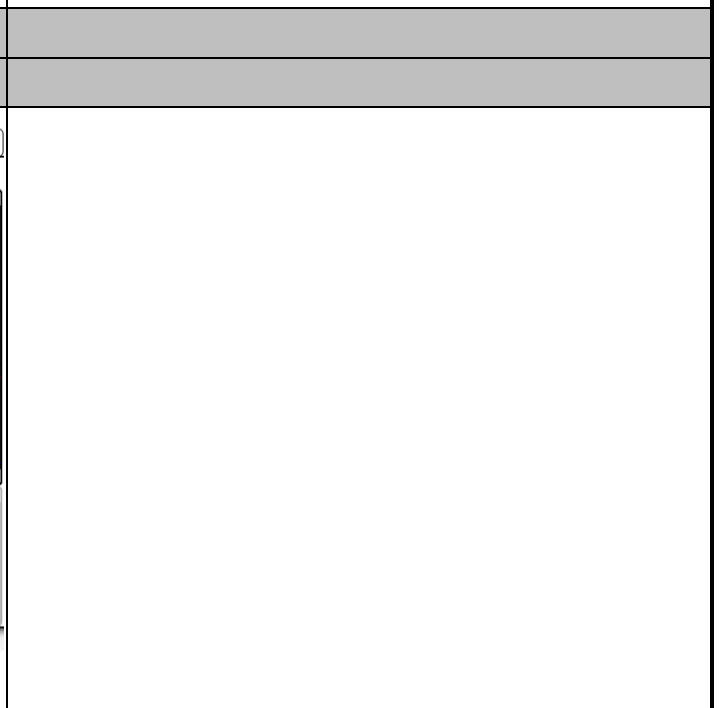
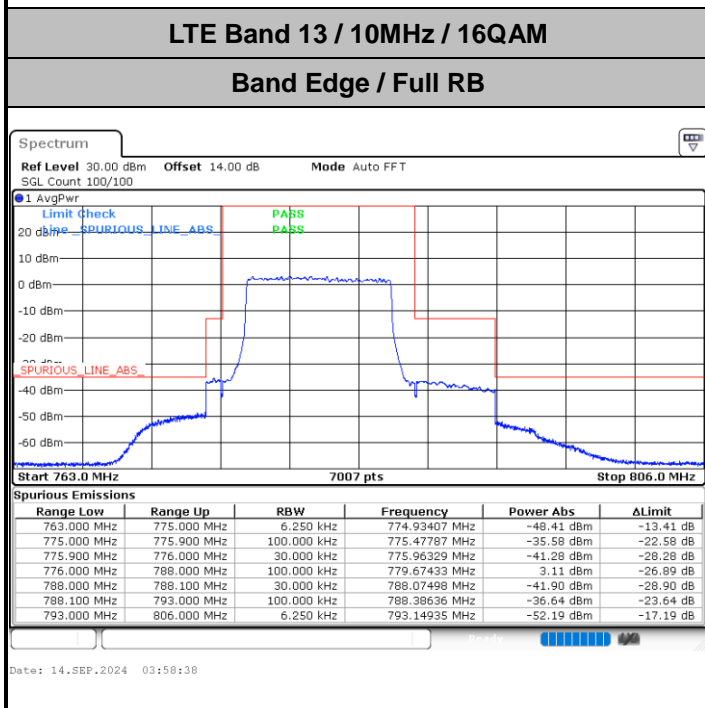
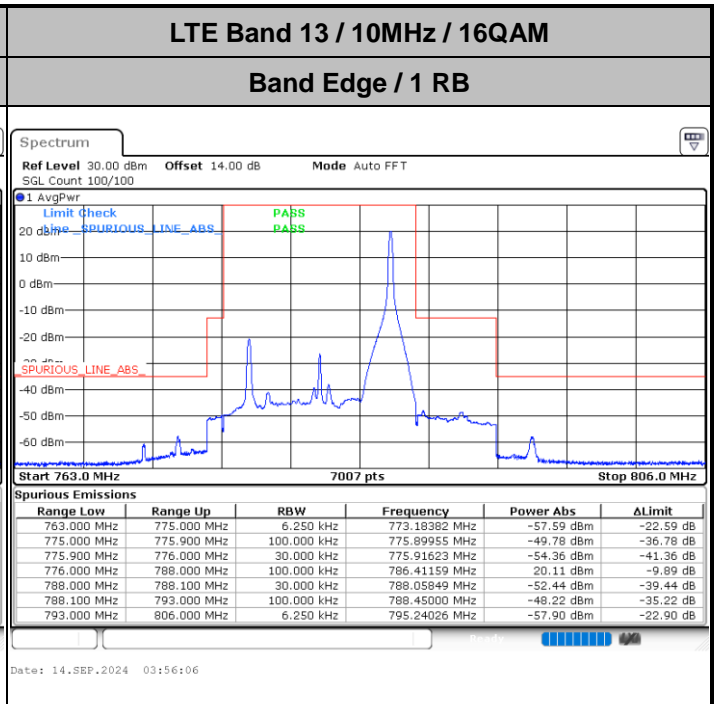
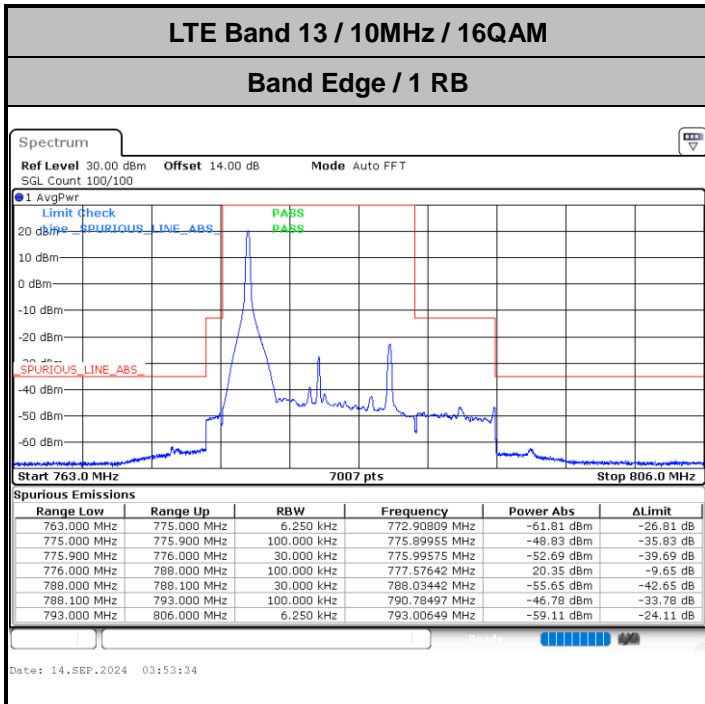
Highest Band Edge / Full RB

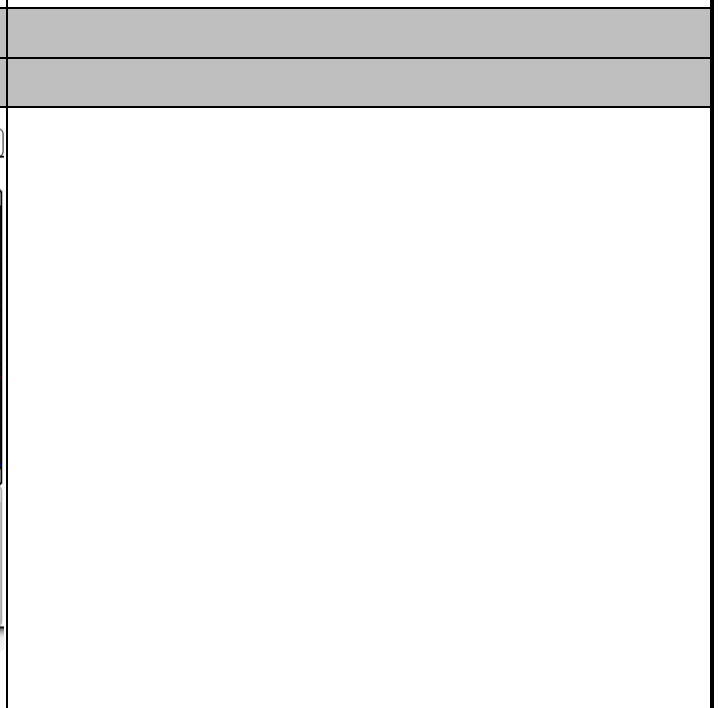
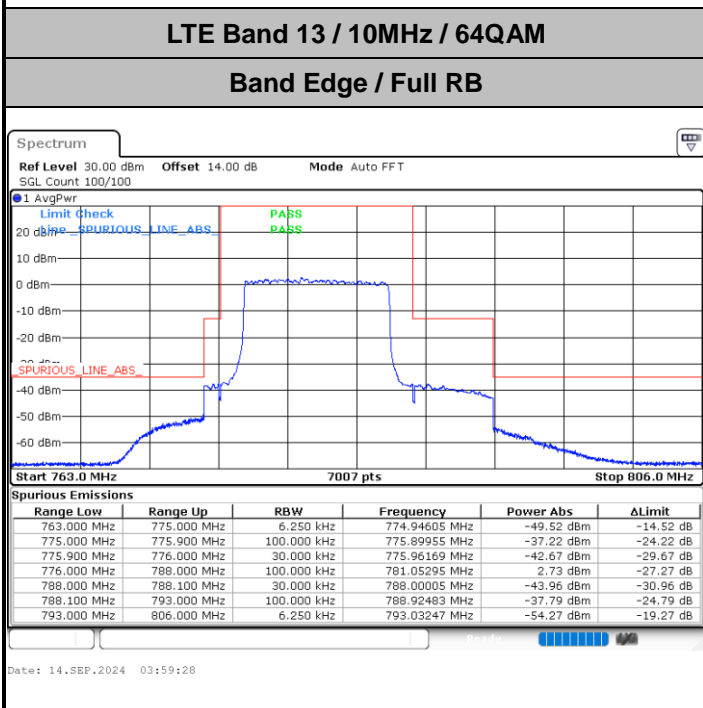
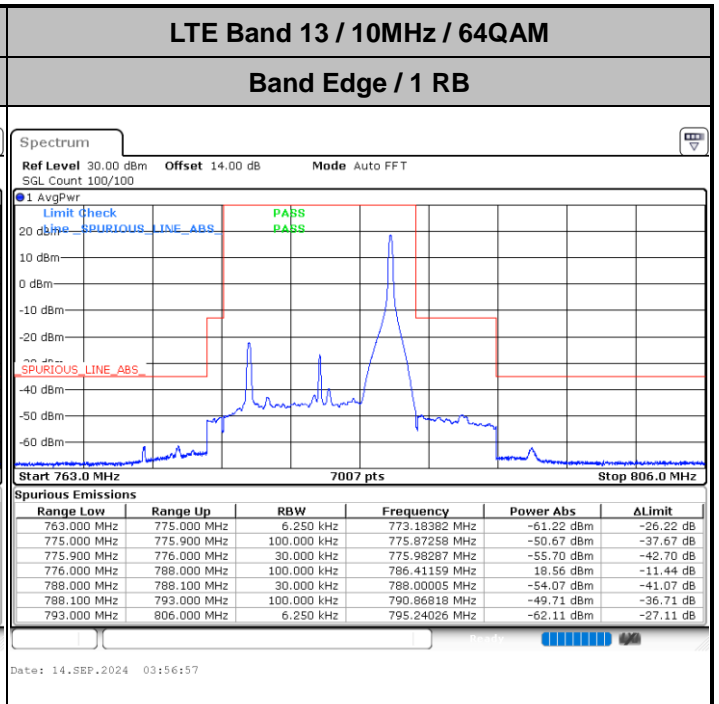
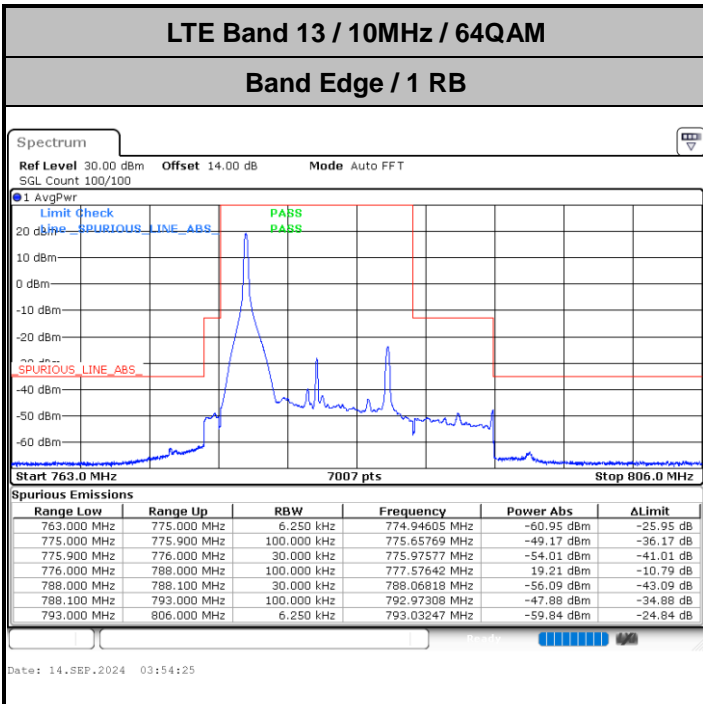


Date: 14.SEP.2024 03:40:30

Date: 14.SEP.2024 03:49:44

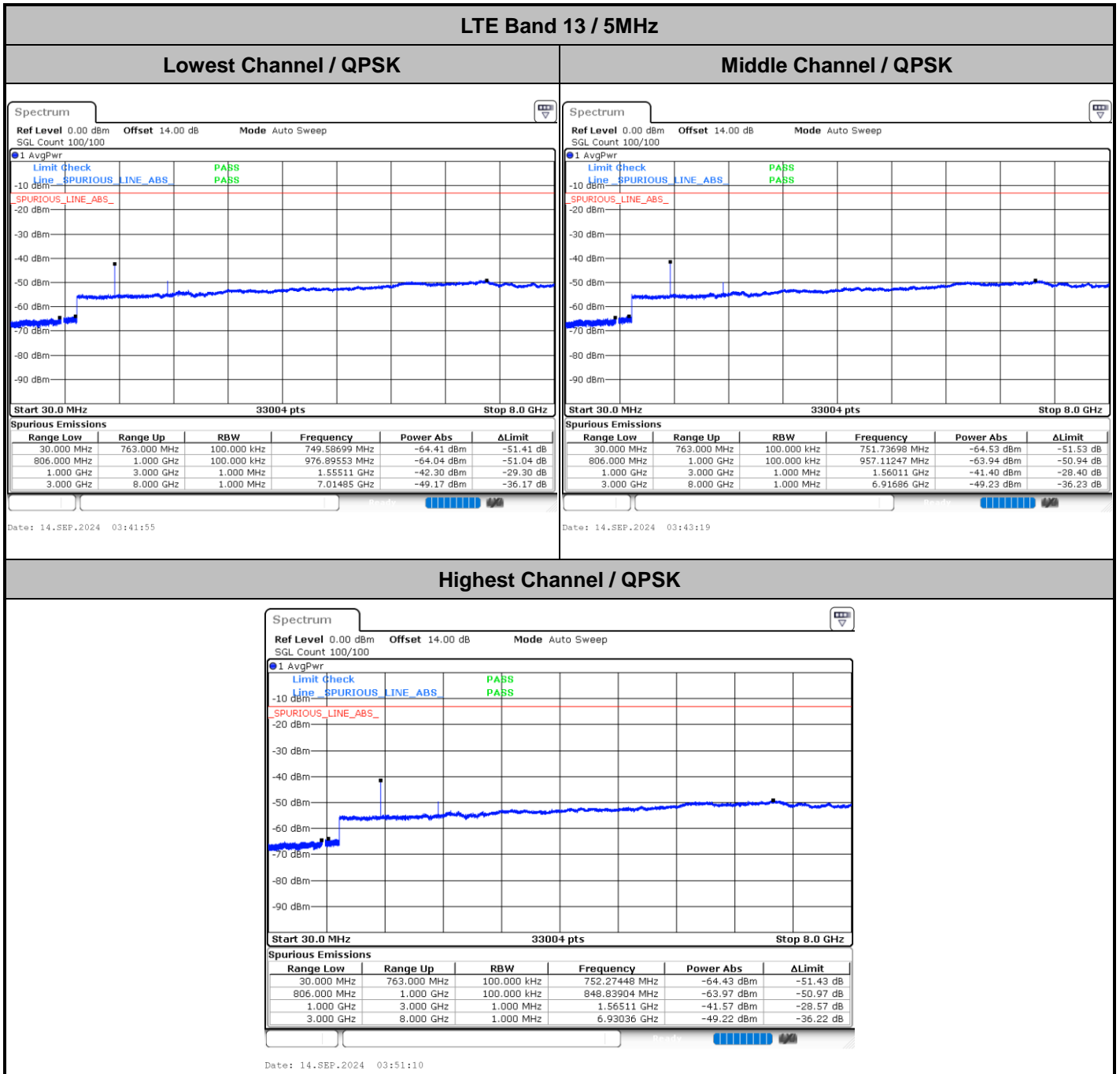








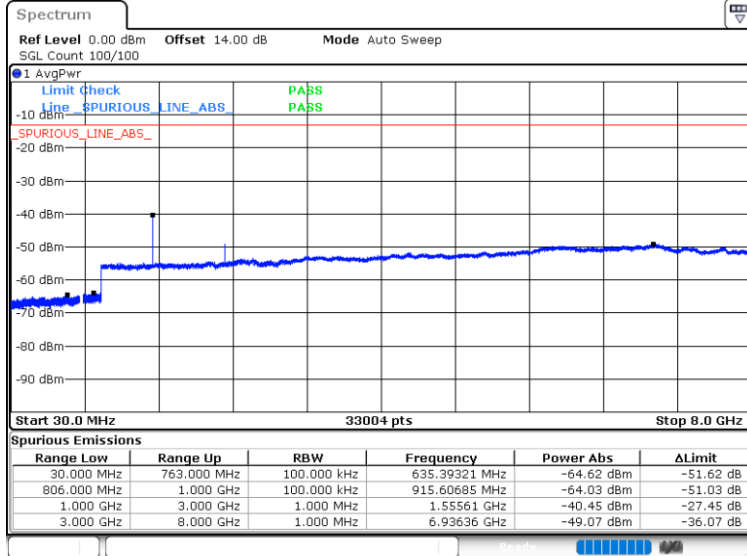
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 14-SEP-2024 04:00:54



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

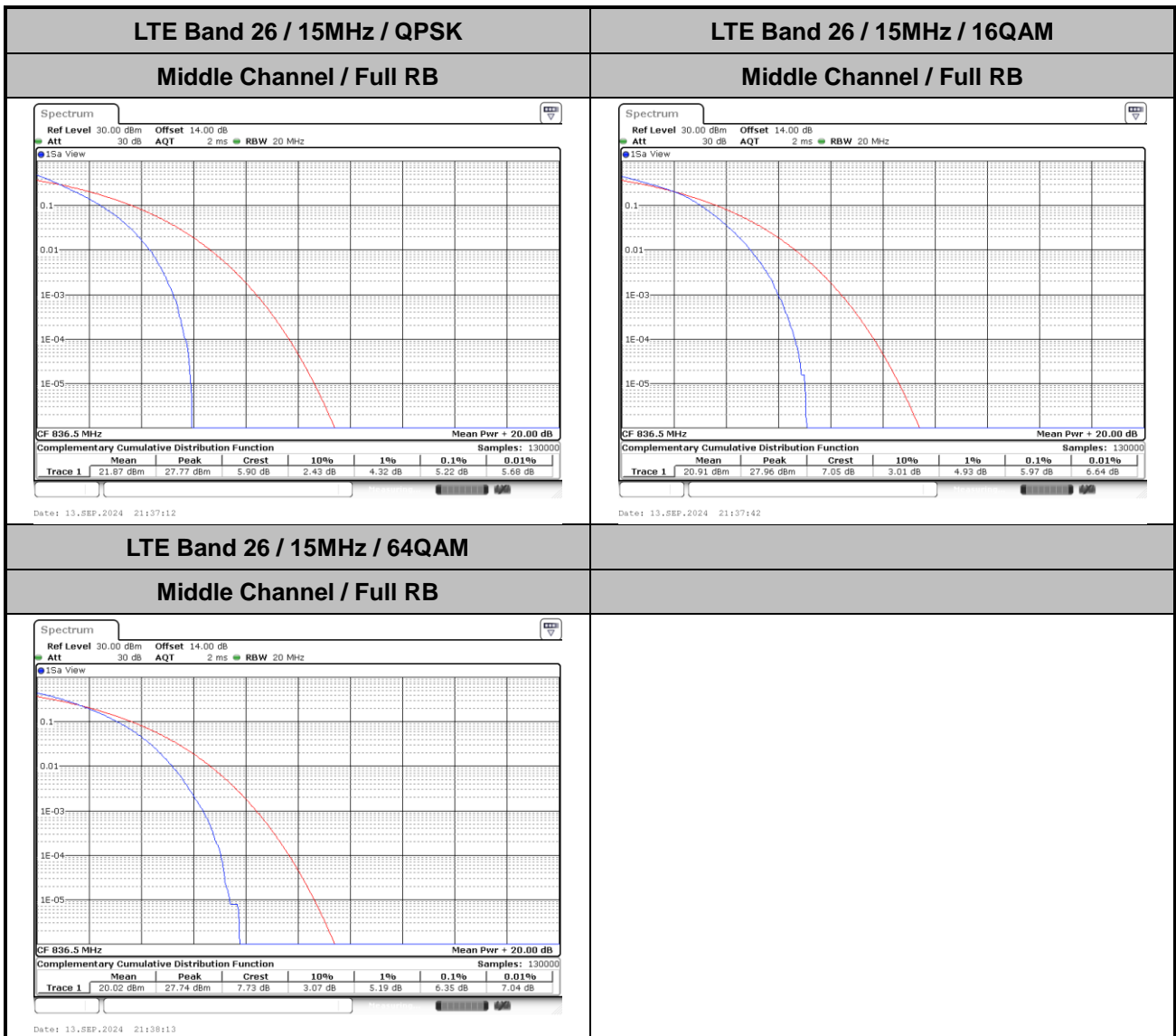
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

Peak-to-Average Ratio

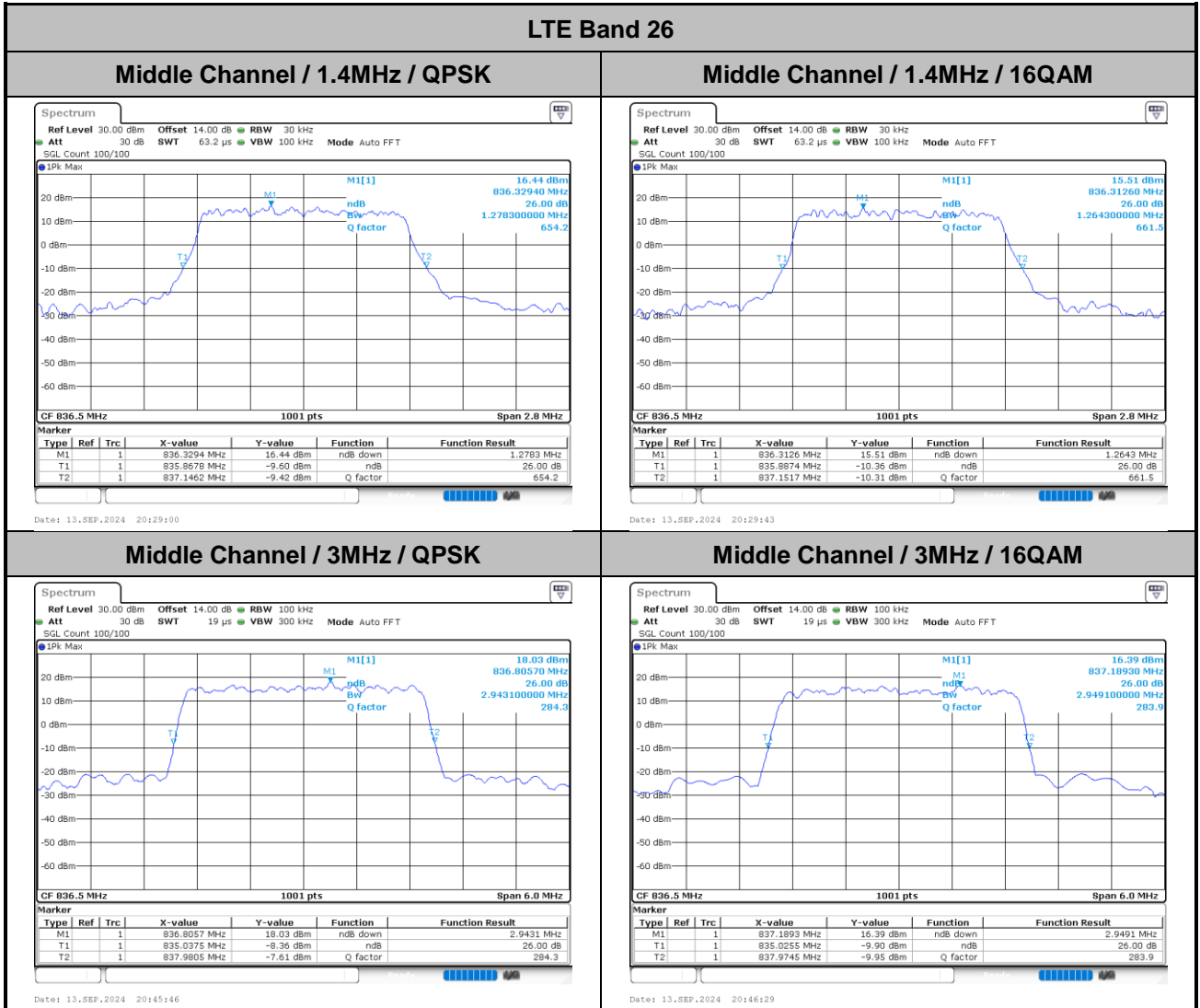
Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.22	5.97	6.35	PASS





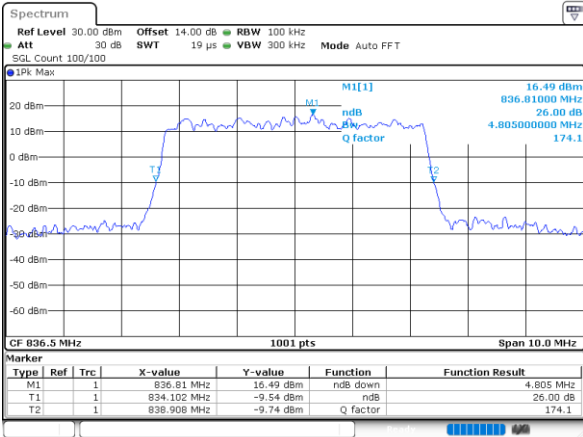
26dB Bandwidth

Mode	LTE Band 26 : 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	1.28	1.26	2.94	2.95	4.81	4.84	9.71	9.77	14.24	14.39	-	-



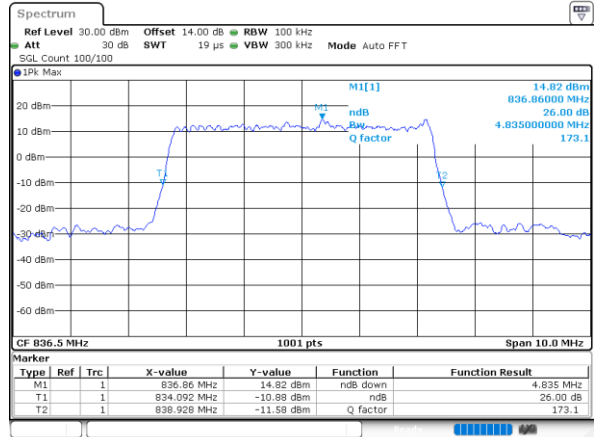


Middle Channel / 5MHz / QPSK



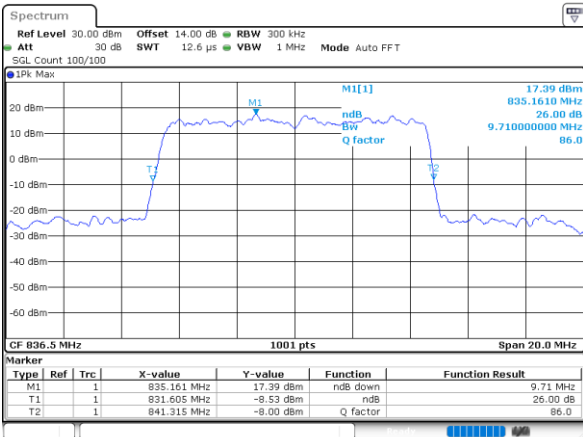
Date: 13_SEP_2024 21:02:31

Middle Channel / 5MHz / 16QAM



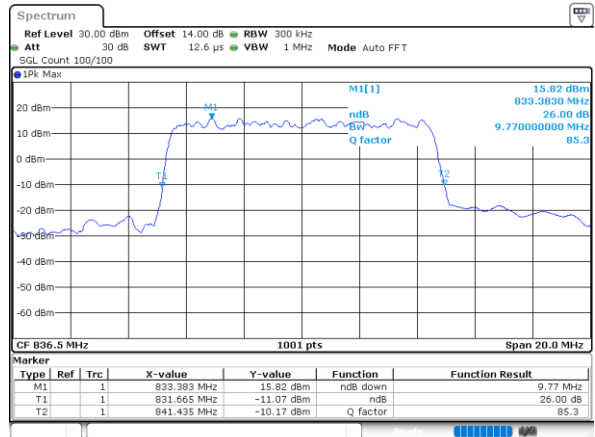
Date: 13_SEP_2024 21:03:14

Middle Channel / 10MHz / QPSK



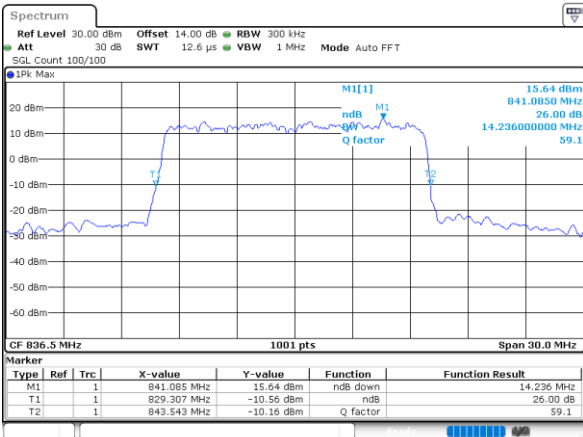
Date: 13_SEP_2024 21:19:18

Middle Channel / 10MHz / 16QAM



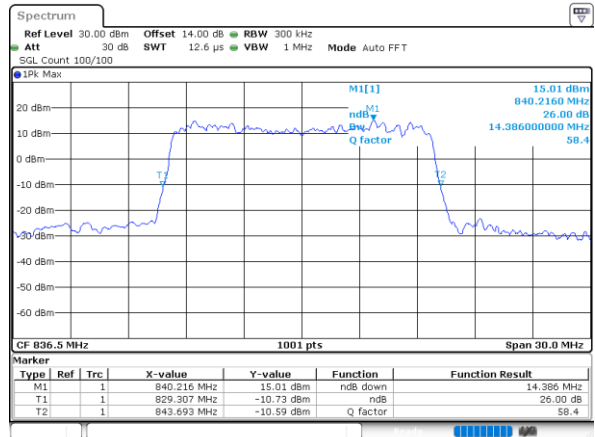
Date: 13_SEP_2024 21:20:01

Middle Channel / 15MHz / QPSK



Date: 13_SEP_2024 21:35:58

Middle Channel / 15MHz / 16QAM

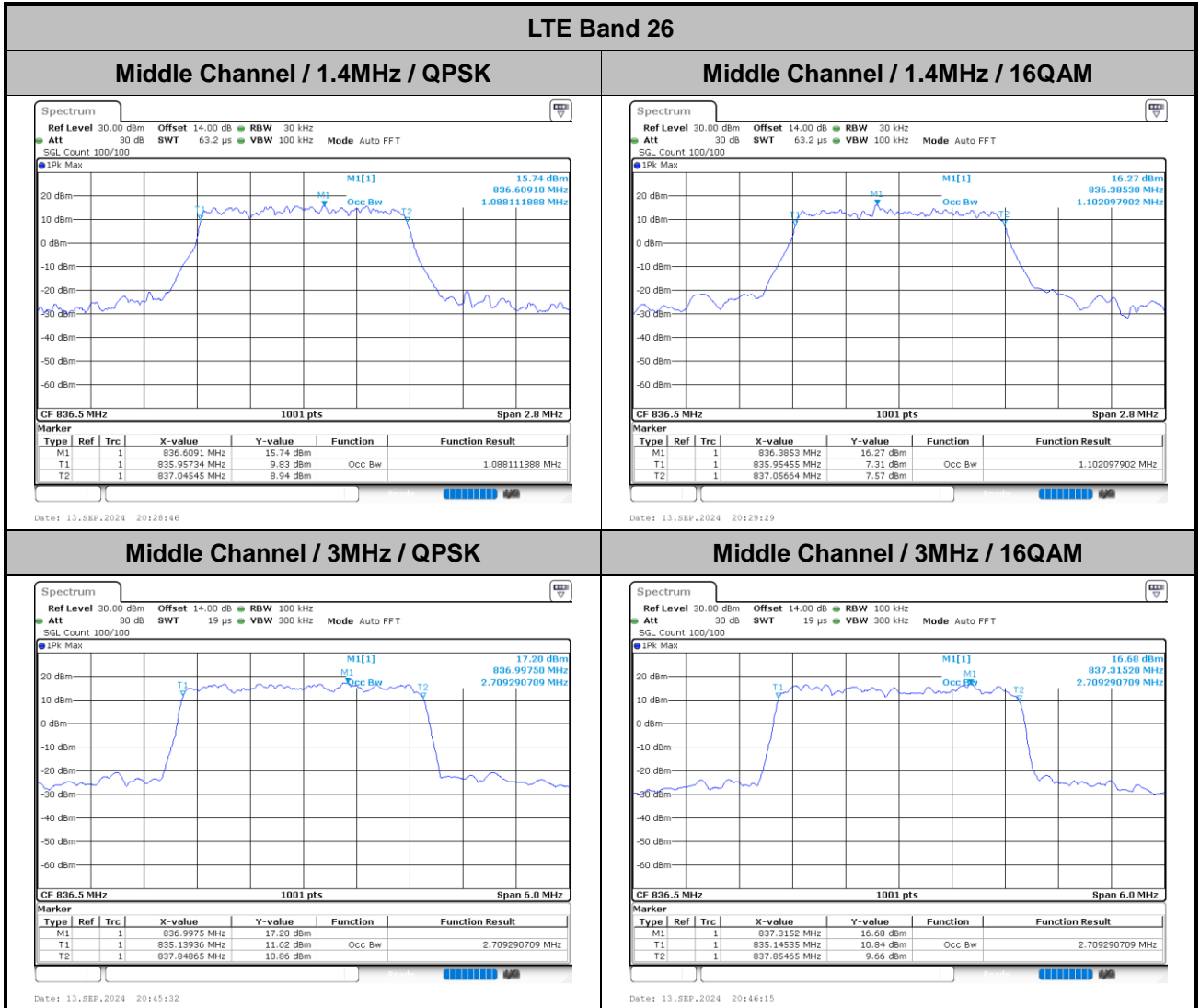


Date: 13_SEP_2024 21:36:41



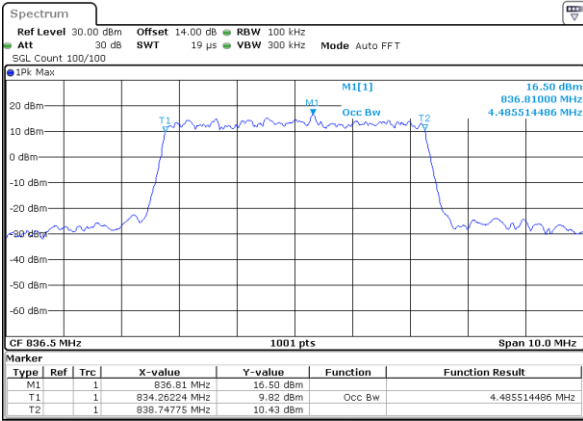
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		15MHz CH26790	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.71	2.71	4.49	4.48	9.03	9.01	13.43	13.40	13.46	13.46



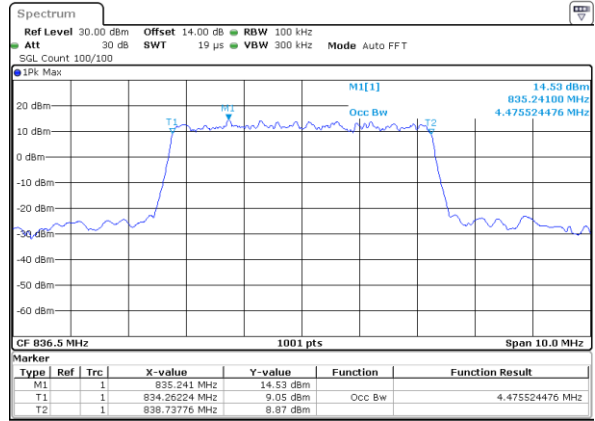


Middle Channel / 5MHz / QPSK



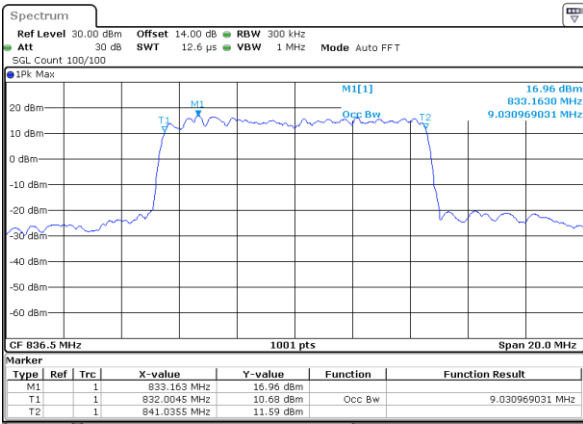
Date: 13_SEP.2024 21:02:17

Middle Channel / 5MHz / 16QAM



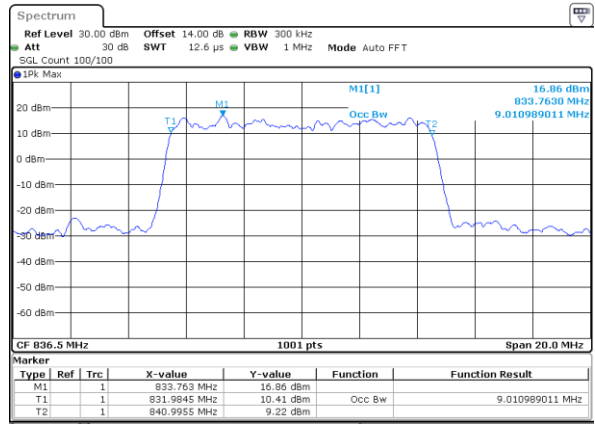
Date: 13_SEP.2024 21:03:01

Middle Channel / 10MHz / QPSK



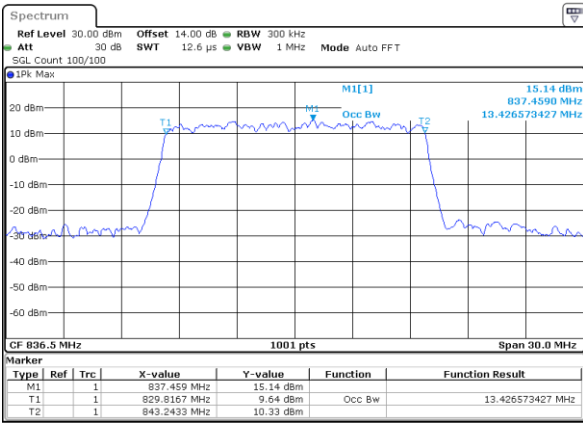
Date: 13_SEP.2024 21:19:03

Middle Channel / 10MHz / 16QAM



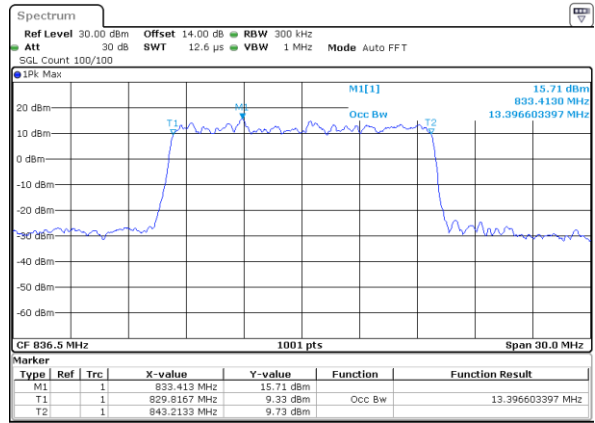
Date: 13_SEP.2024 21:19:47

Middle Channel / 15MHz / QPSK

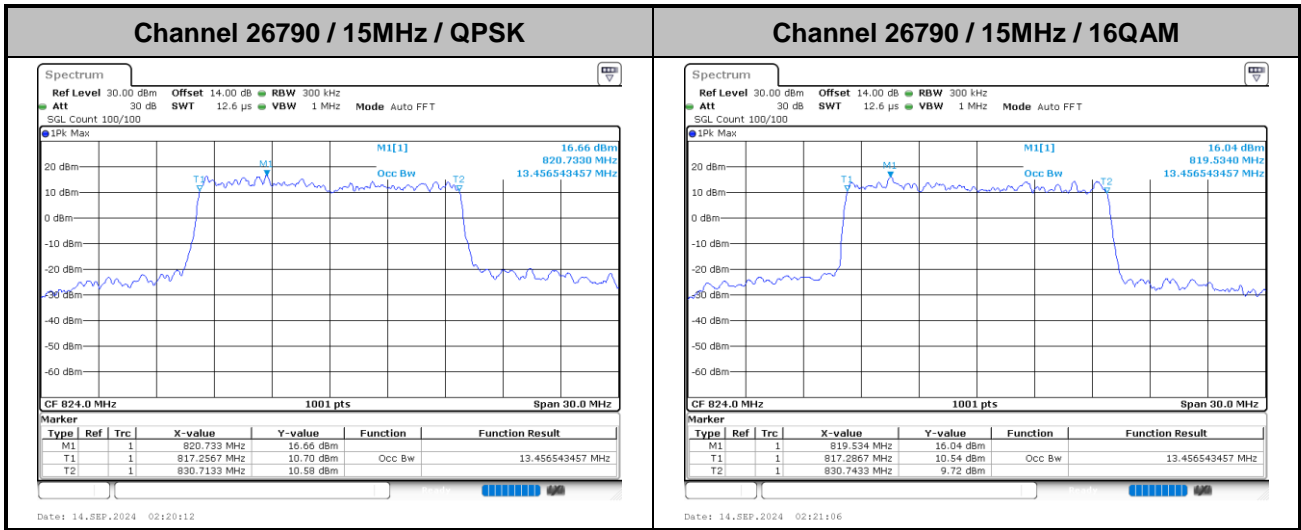


Date: 13_SEP.2024 21:35:44

Middle Channel / 15MHz / 16QAM

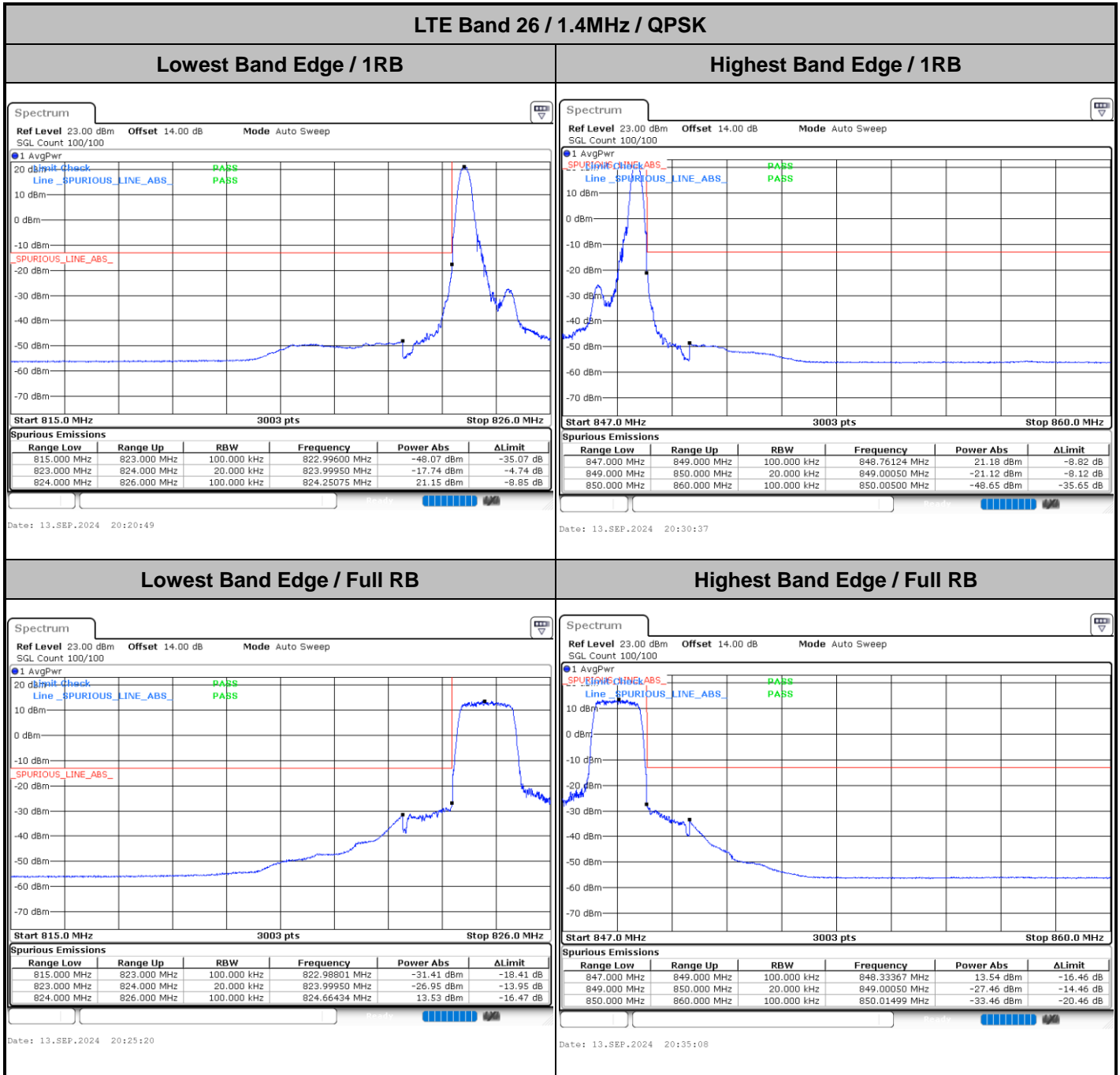


Date: 13_SEP.2024 21:36:27





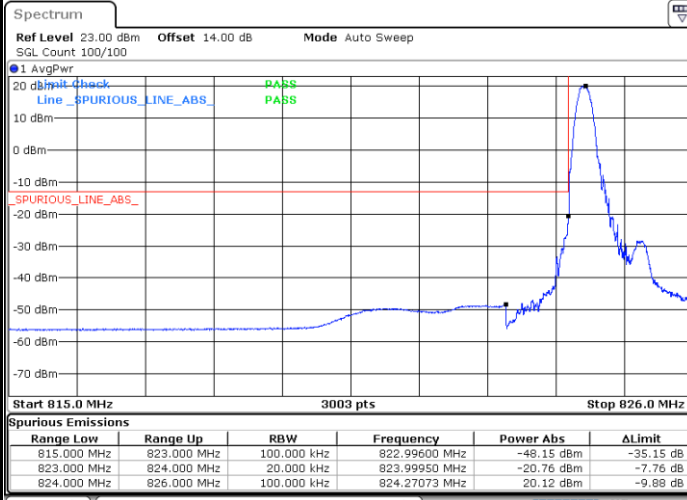
Conducted Band Edge





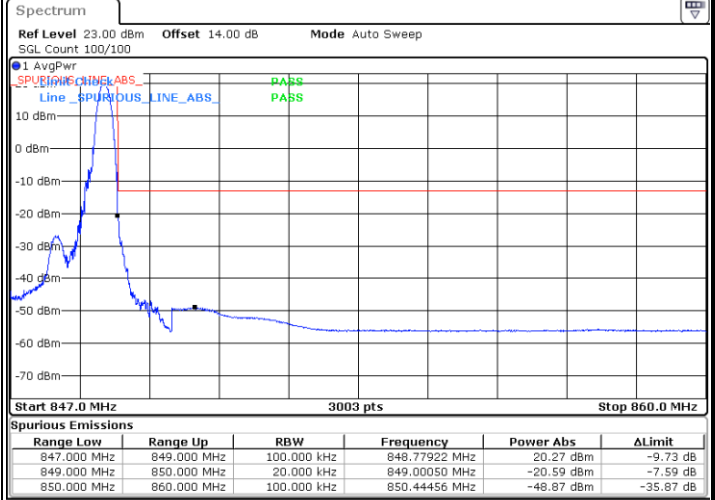
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



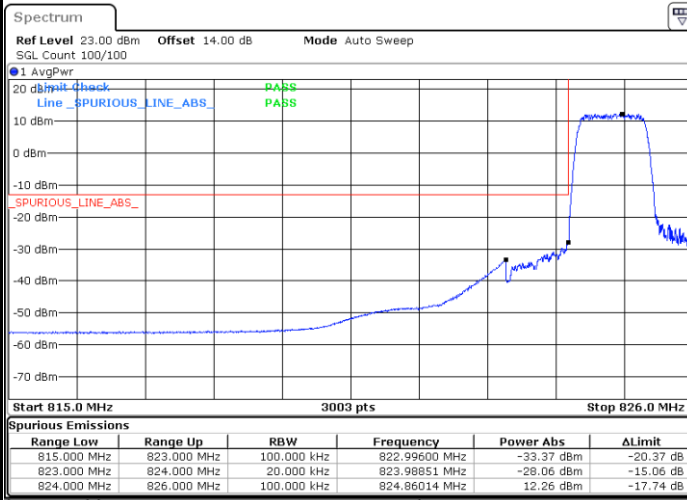
Date: 13.SEP.2024 20:21:43

Highest Band Edge / 1 RB



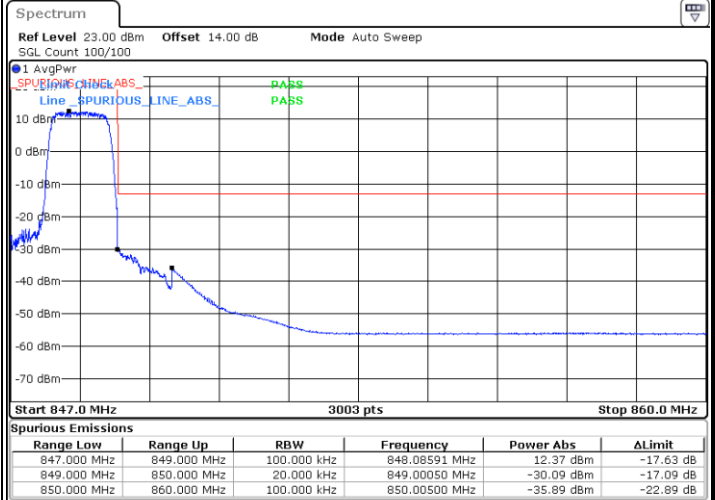
Date: 13.SEP.2024 20:31:31

Lowest Band Edge / Full RB



Date: 13.SEP.2024 20:24:26

Highest Band Edge / Full RB

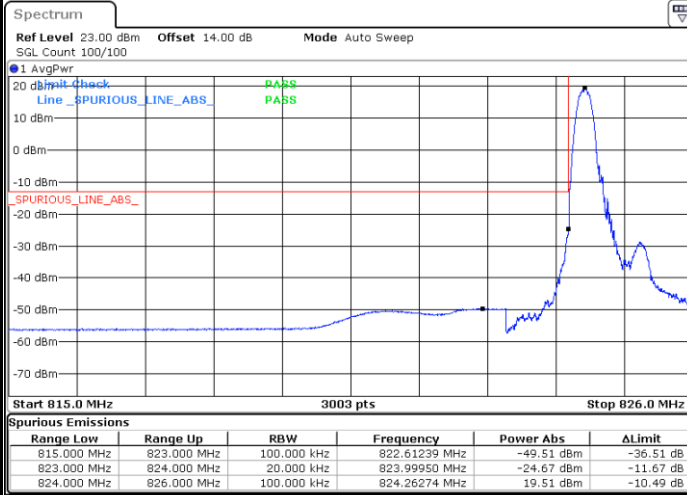


Date: 13.SEP.2024 20:34:13



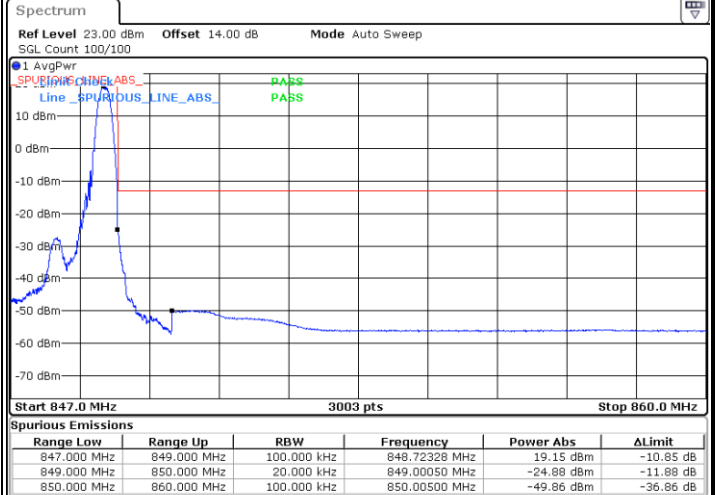
LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



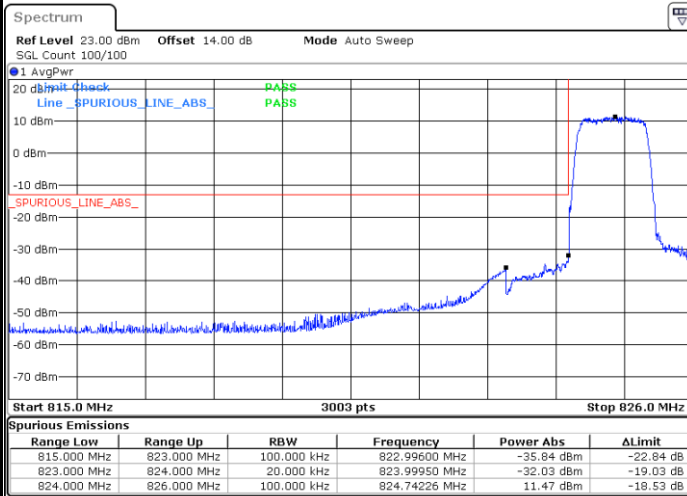
Date: 13.SEP.2024 20:22:37

Highest Band Edge / 1 RB



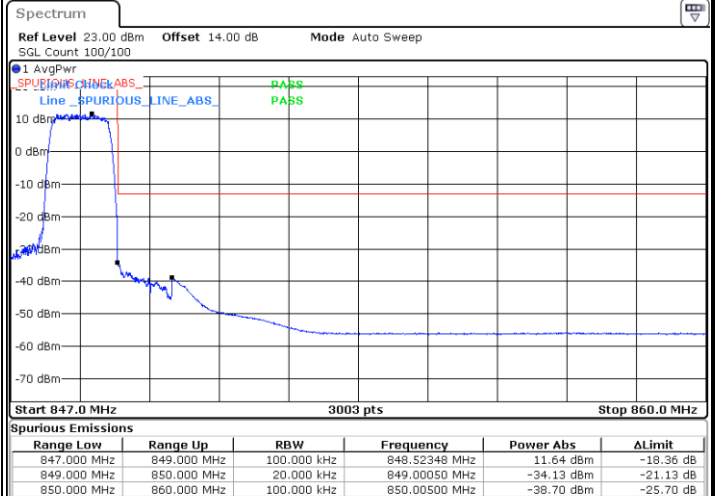
Date: 13.SEP.2024 20:32:25

Lowest Band Edge / Full RB



Date: 13.SEP.2024 20:23:32

Highest Band Edge / Full RB

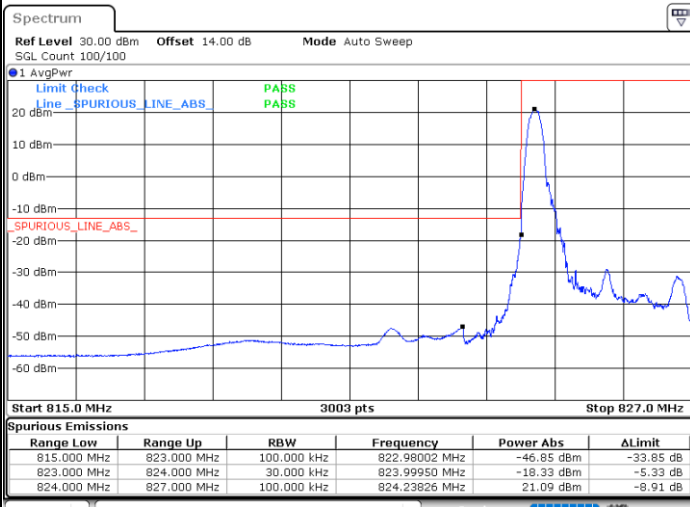


Date: 13.SEP.2024 20:33:19



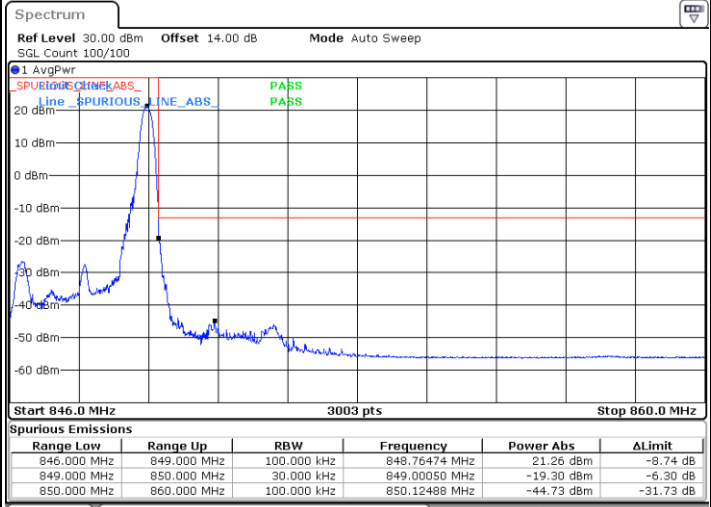
LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB



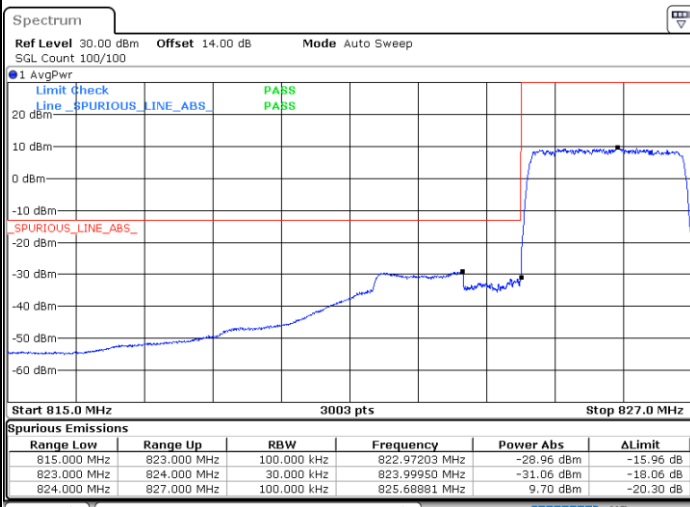
Date: 13.SEP.2024 20:37:35

Highest Band Edge / 1RB



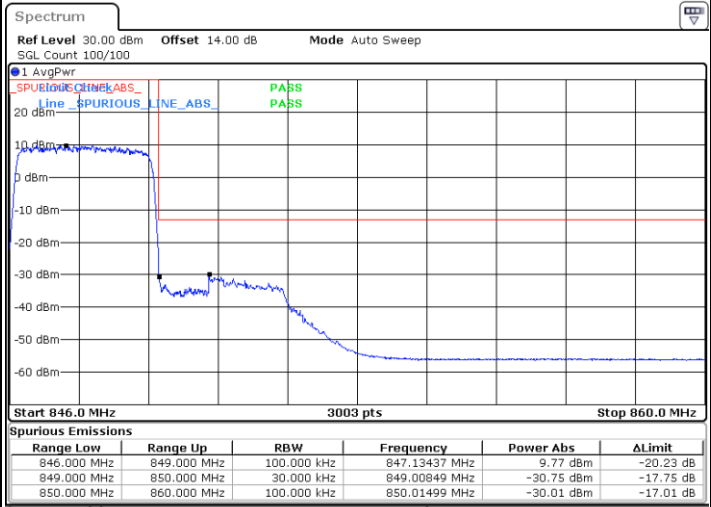
Date: 13.SEP.2024 20:47:22

Lowest Band Edge / Full RB



Date: 13.SEP.2024 20:42:06

Highest Band Edge / Full RB

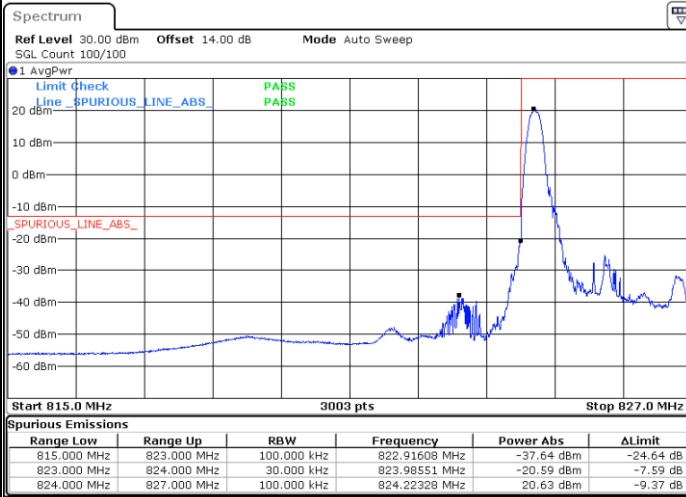


Date: 13.SEP.2024 20:51:53



LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



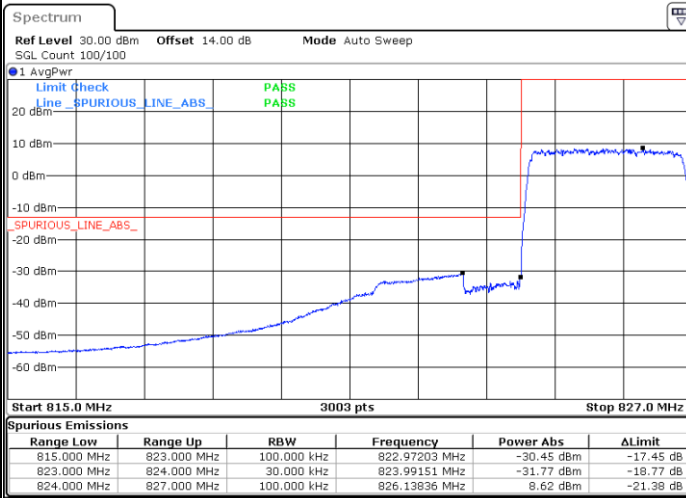
Date: 13.SEP.2024 20:38:29

Highest Band Edge / 1 RB



Date: 13.SEP.2024 20:48:16

Lowest Band Edge / Full RB



Date: 13.SEP.2024 20:41:12

Highest Band Edge / Full RB

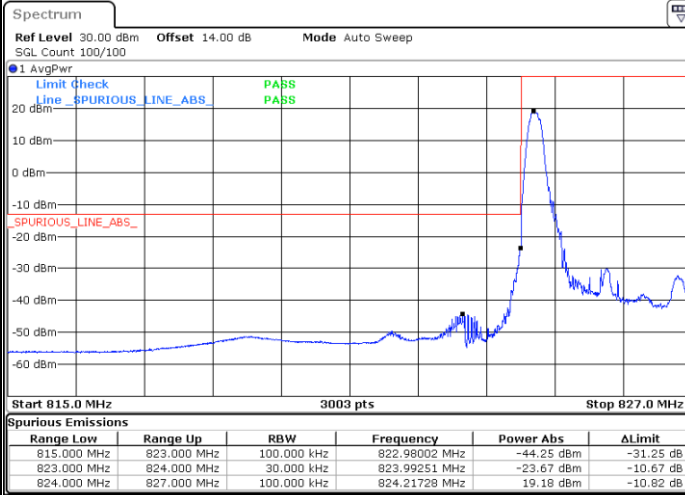


Date: 13.SEP.2024 20:50:59



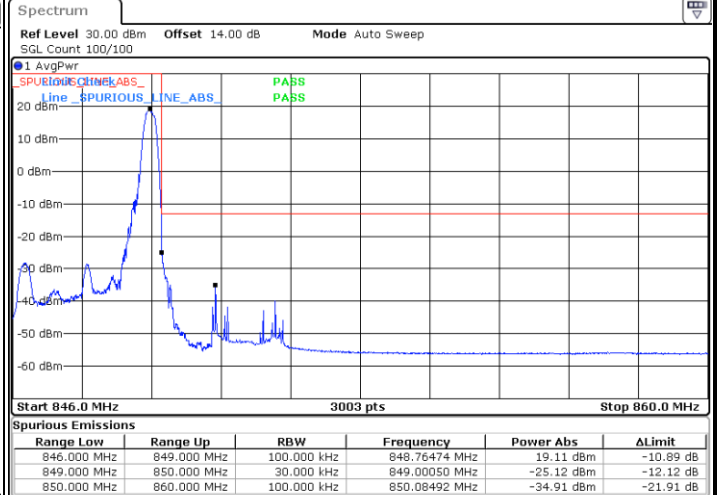
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



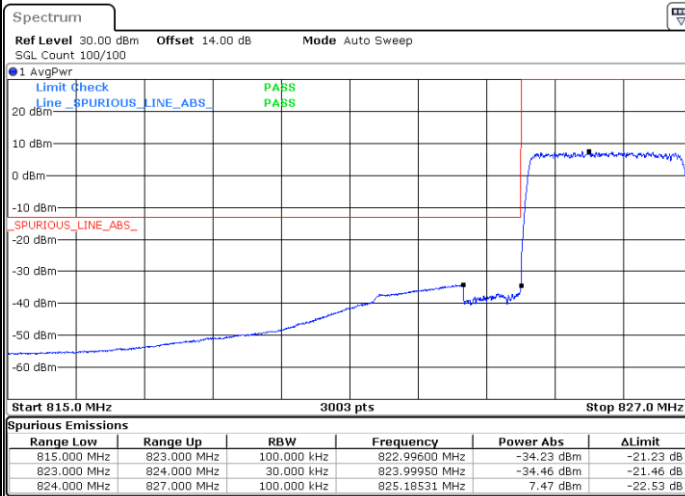
Date: 13.SEP.2024 20:39:23

Highest Band Edge / 1 RB



Date: 13.SEP.2024 20:49:11

Lowest Band Edge / Full RB



Date: 13.SEP.2024 20:40:18

Highest Band Edge / Full RB

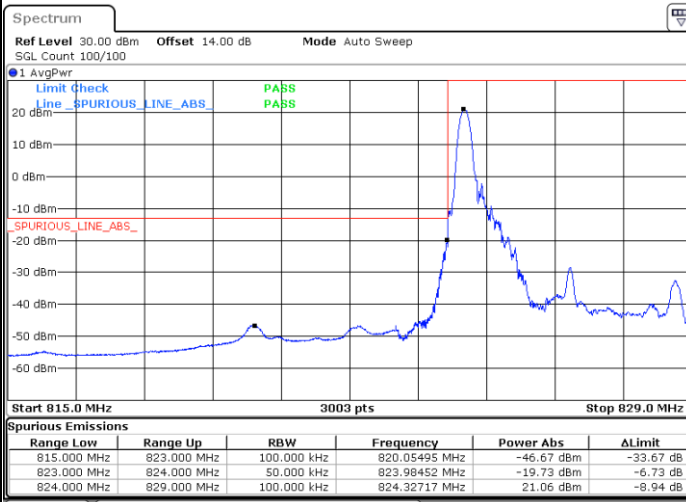


Date: 13.SEP.2024 20:50:05



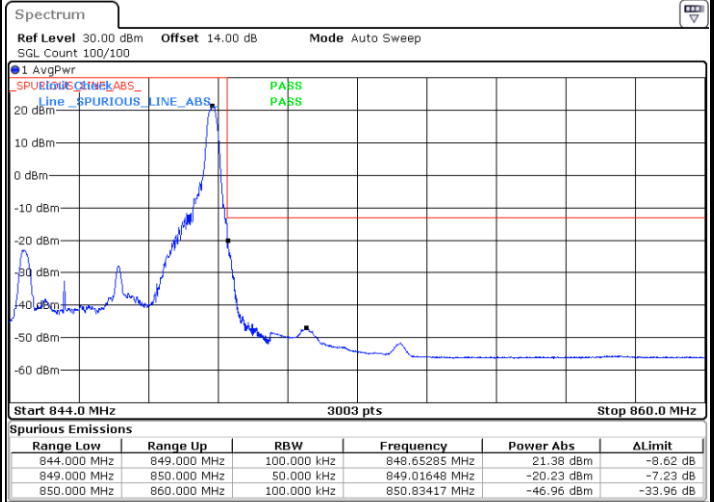
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1RB



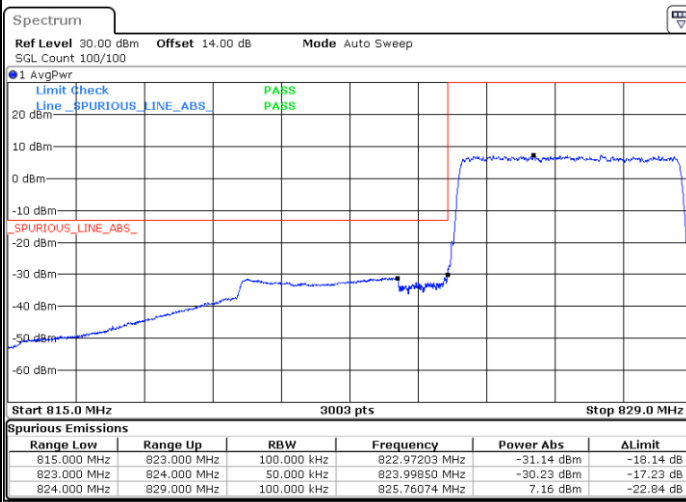
Date: 13.SEP.2024 20:54:20

Highest Band Edge / 1RB



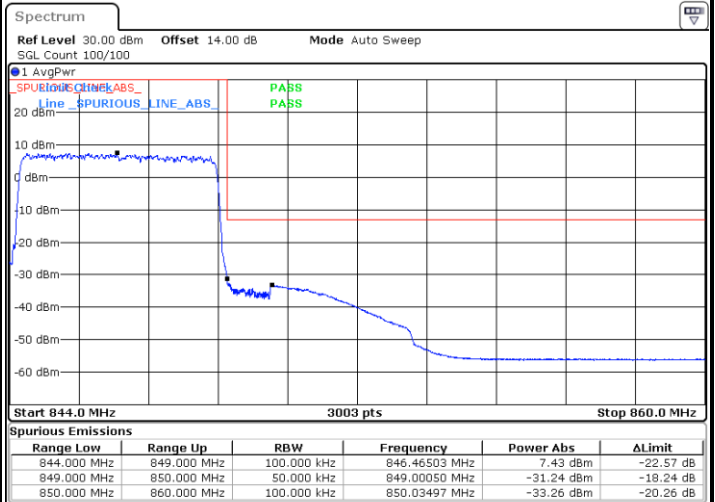
Date: 13.SEP.2024 21:04:08

Lowest Band Edge / Full RB



Date: 13.SEP.2024 20:58:51

Highest Band Edge / Full RB

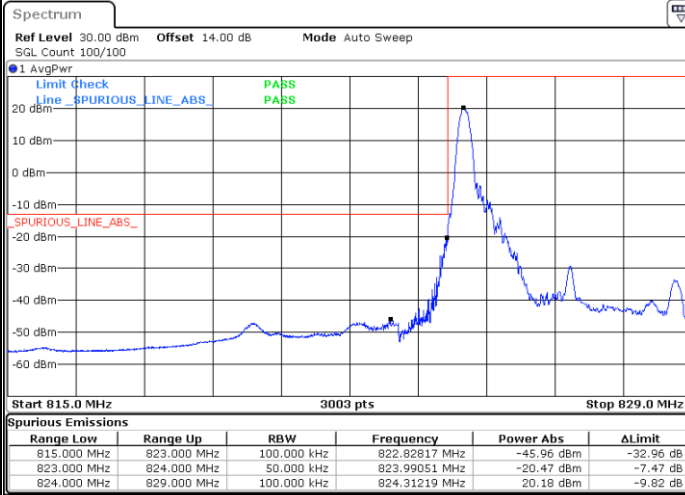


Date: 13.SEP.2024 21:08:39



LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



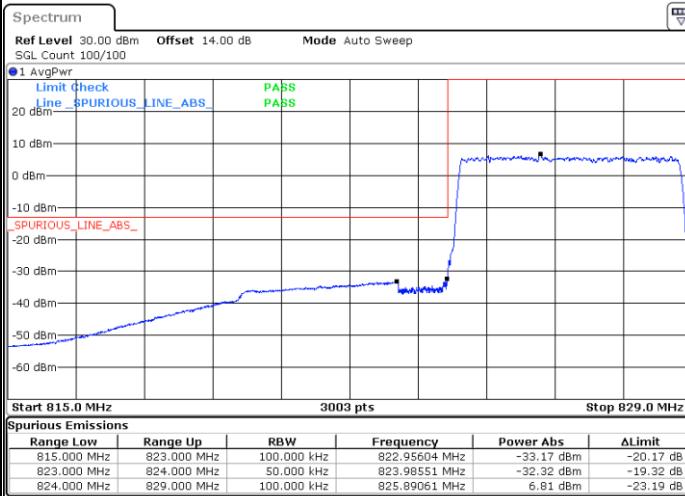
Date: 13.SEP.2024 20:55:14

Highest Band Edge / 1 RB



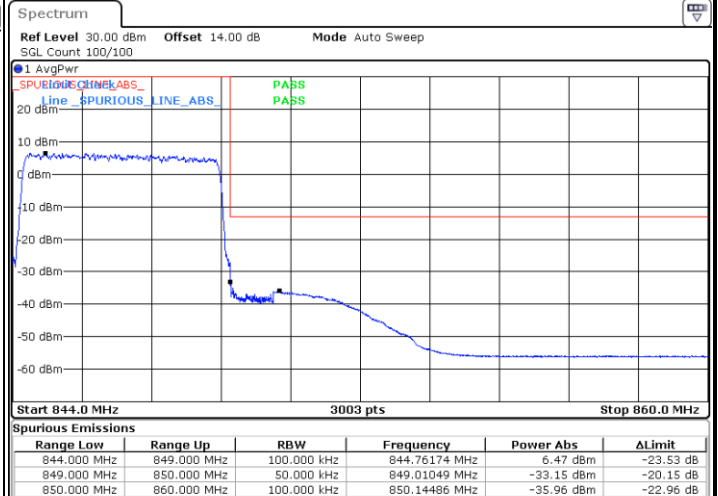
Date: 13.SEP.2024 21:05:02

Lowest Band Edge / Full RB



Date: 13.SEP.2024 20:57:57

Highest Band Edge / Full RB

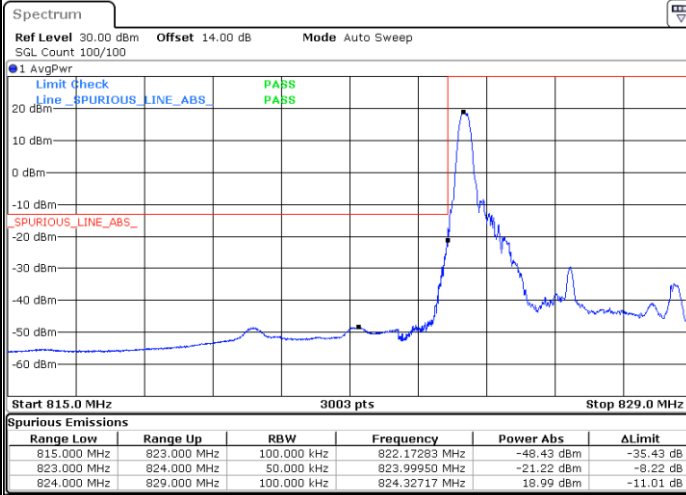


Date: 13.SEP.2024 21:07:44



LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



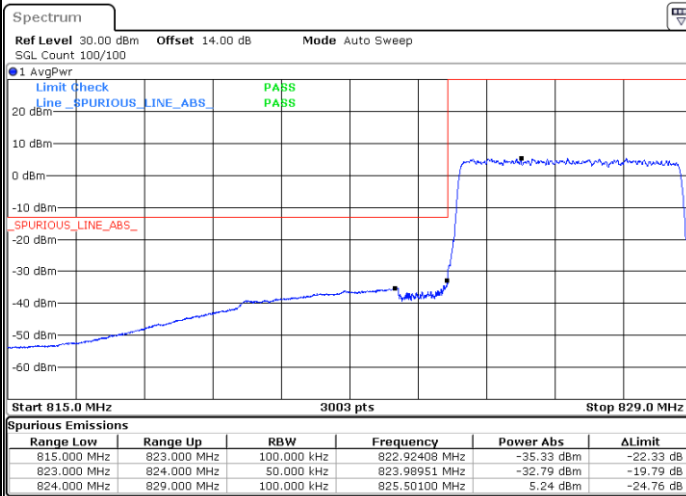
Date: 13.SEP.2024 20:56:08

Highest Band Edge / 1 RB



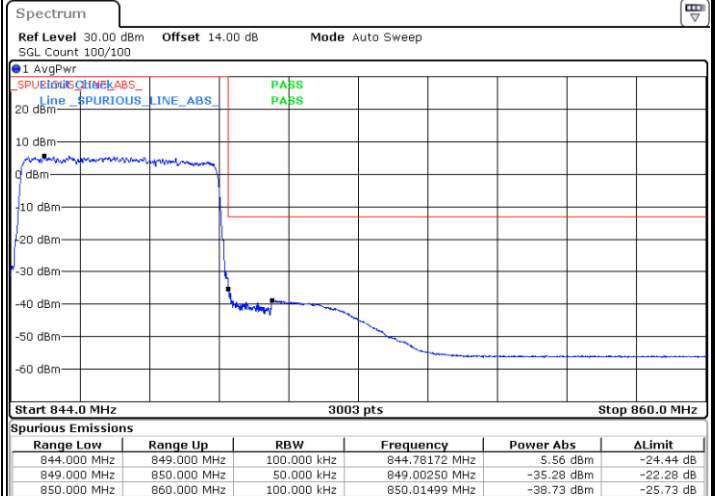
Date: 13.SEP.2024 21:05:56

Lowest Band Edge / Full RB



Date: 13.SEP.2024 20:57:03

Highest Band Edge / Full RB

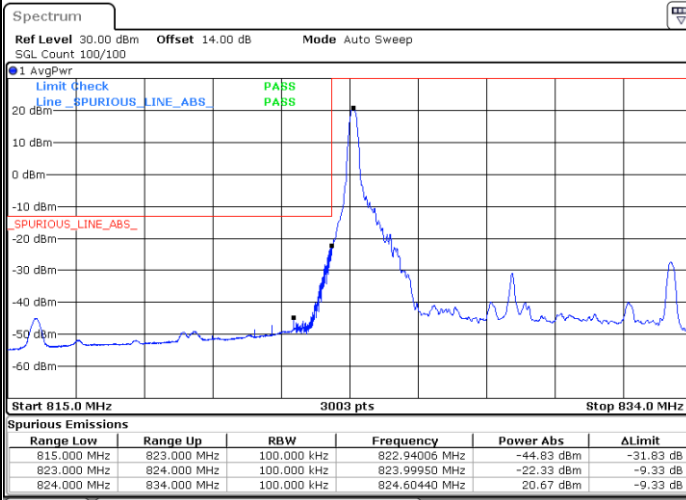


Date: 13.SEP.2024 21:06:50



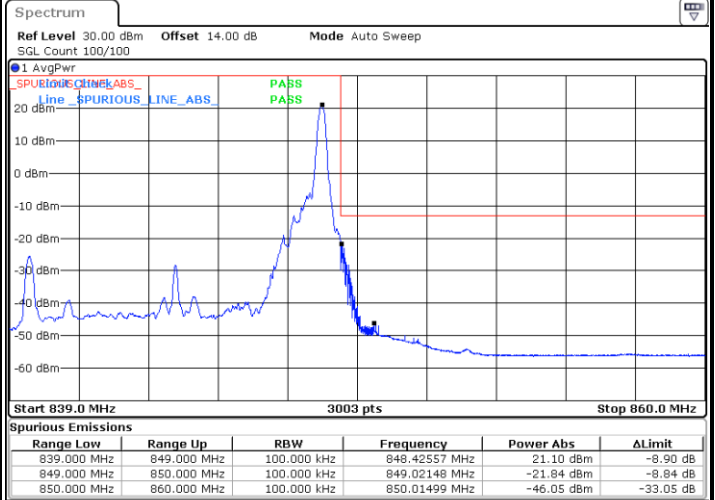
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1RB



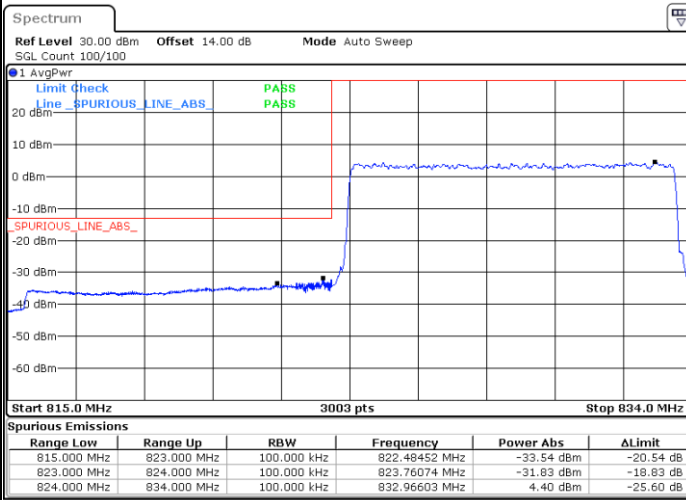
Date: 13.SEP.2024 21:11:06

Highest Band Edge / 1RB



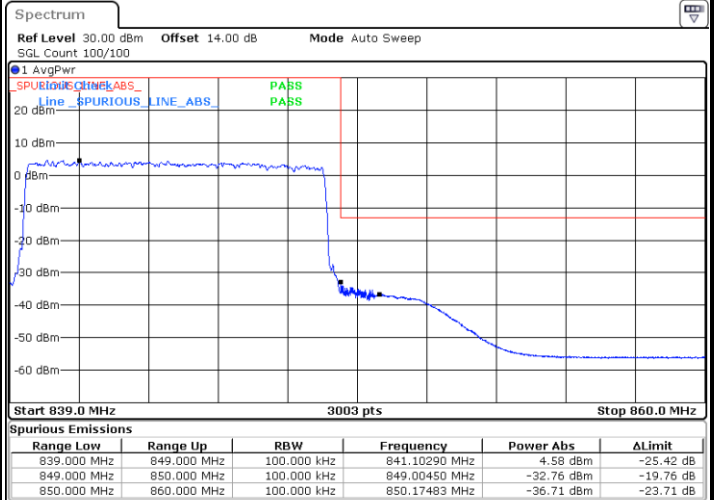
Date: 13.SEP.2024 21:20:54

Lowest Band Edge / Full RB



Date: 13.SEP.2024 21:15:38

Highest Band Edge / Full RB

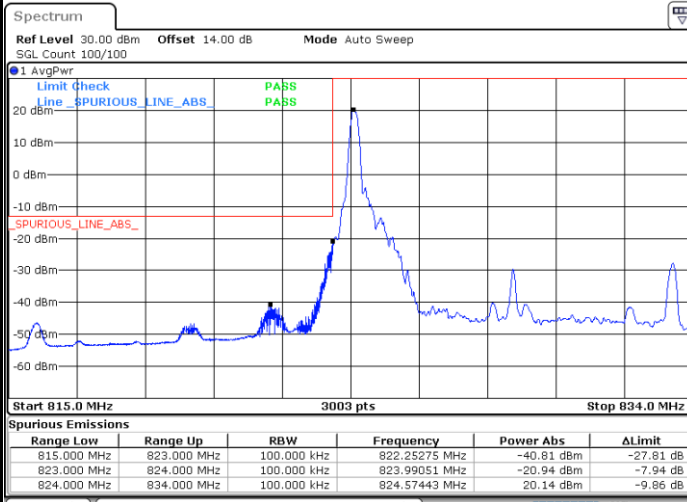


Date: 13.SEP.2024 21:25:25



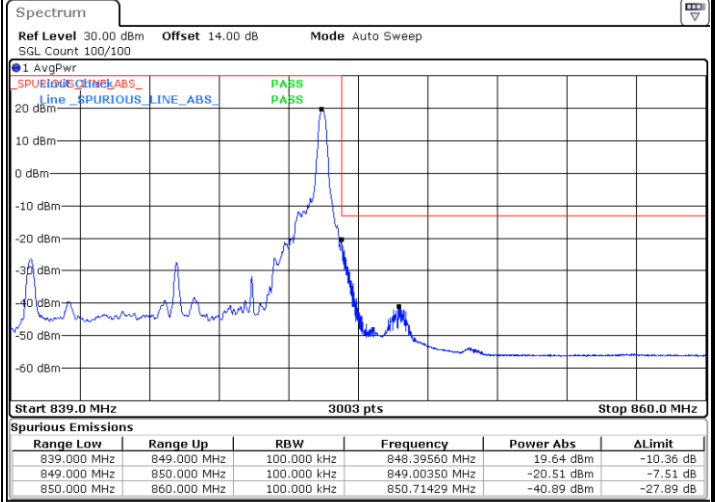
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



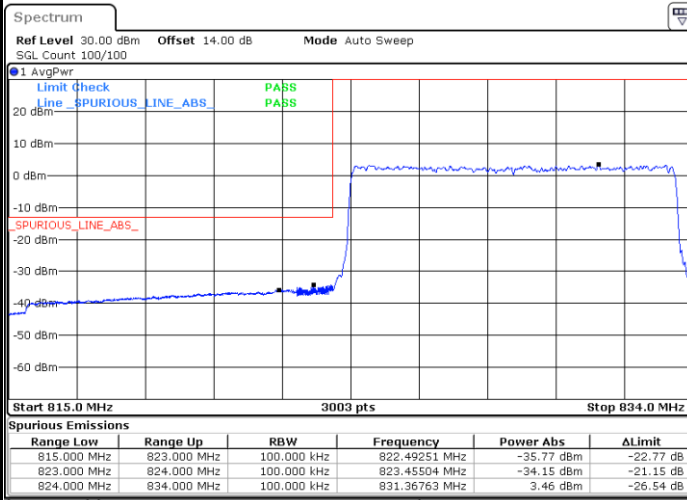
Date: 13.SEP.2024 21:12:00

Highest Band Edge / 1 RB



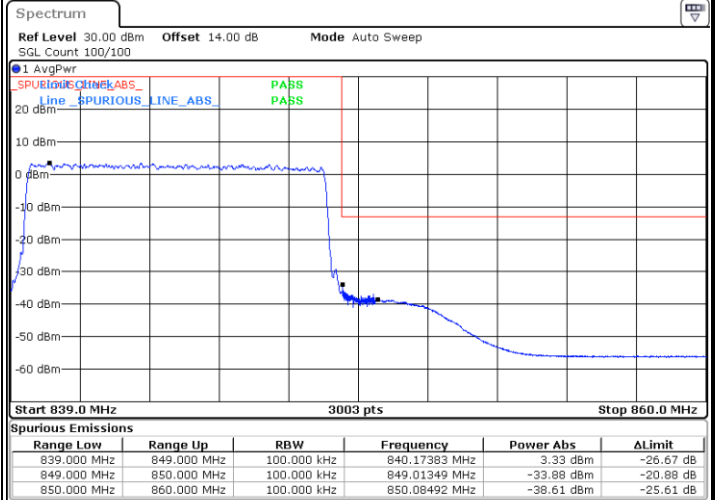
Date: 13.SEP.2024 21:21:48

Lowest Band Edge / Full RB



Date: 13.SEP.2024 21:14:43

Highest Band Edge / Full RB



Date: 13.SEP.2024 21:24:31