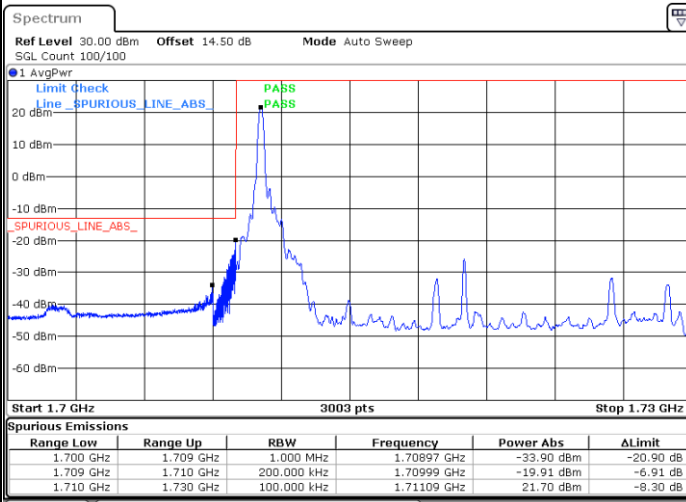




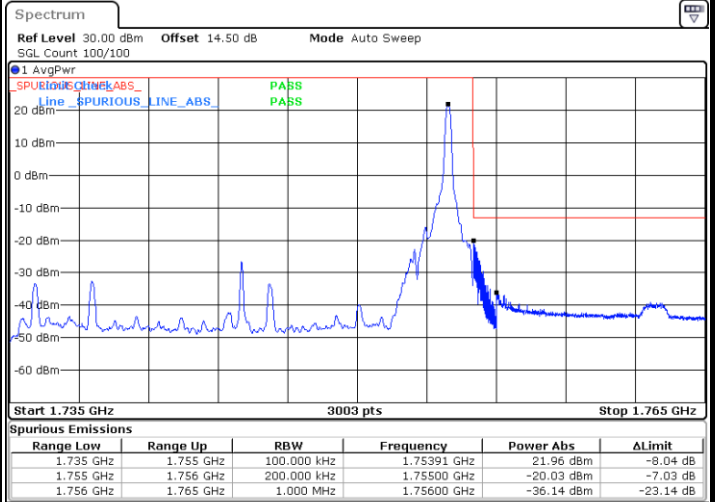
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



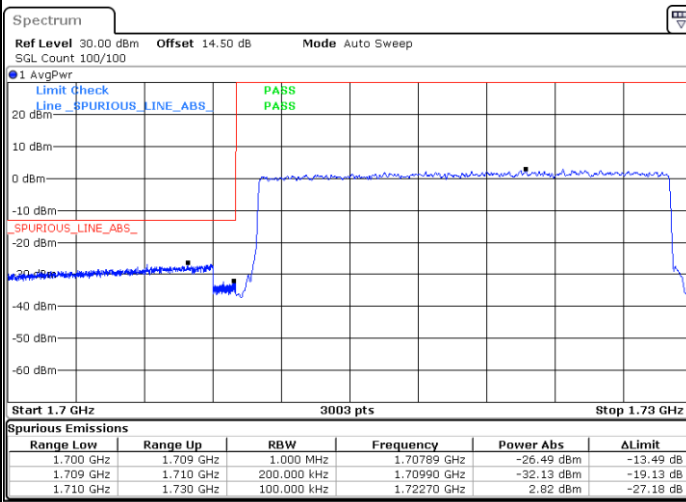
Date: 15.MAY.2024 12:38:57

Highest Band Edge / 1 RB



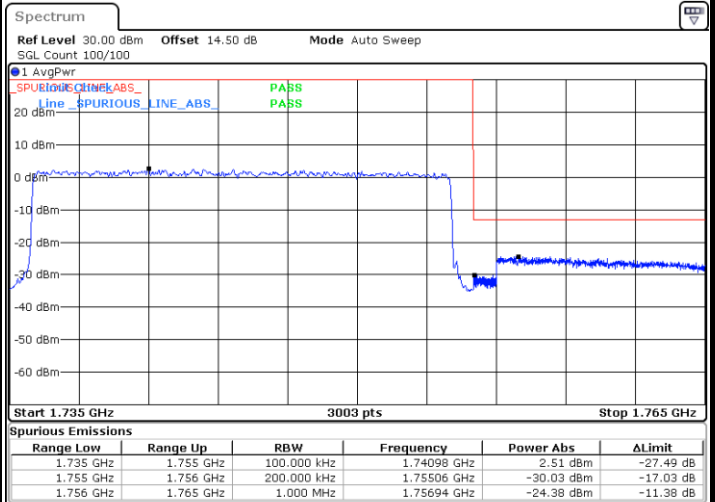
Date: 15.MAY.2024 12:51:38

Lowest Band Edge / Full RB



Date: 15.MAY.2024 12:42:13

Highest Band Edge / Full RB

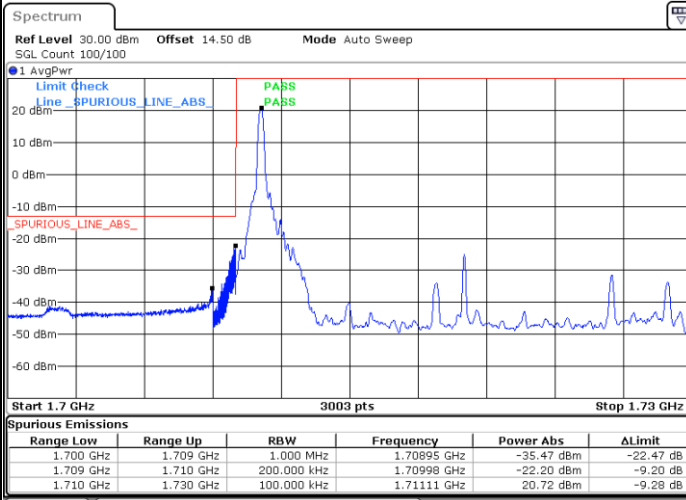


Date: 15.MAY.2024 12:54:55



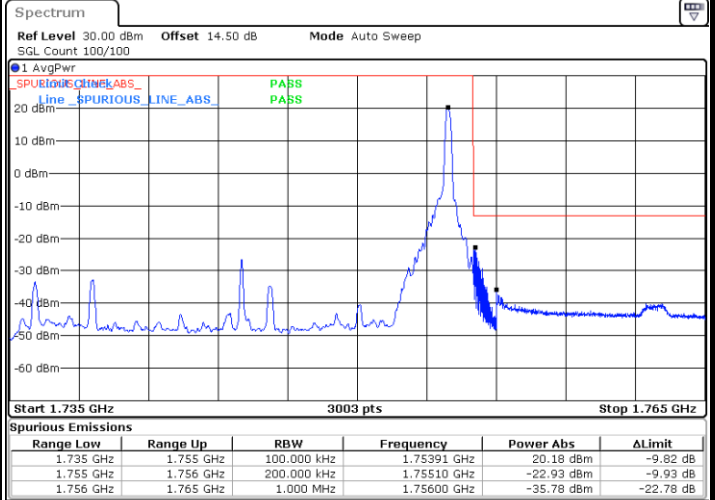
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



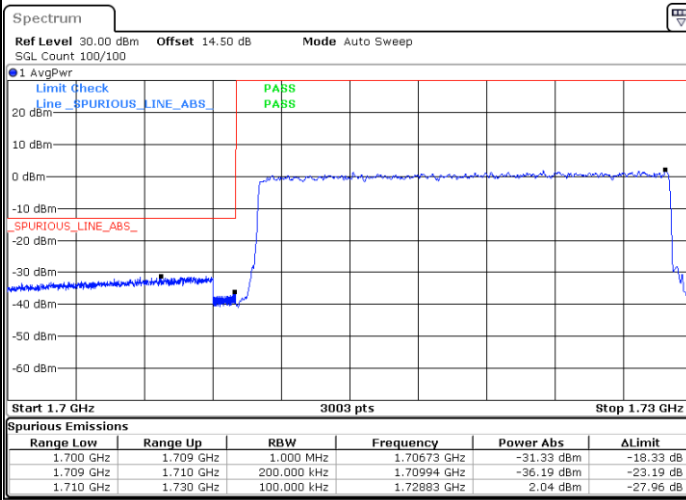
Date: 15.MAY.2024 12:40:02

Highest Band Edge / 1 RB



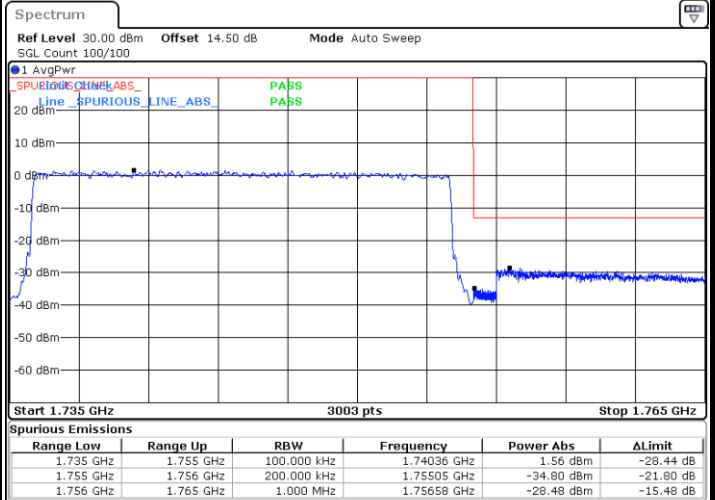
Date: 15.MAY.2024 12:52:44

Lowest Band Edge / Full RB



Date: 15.MAY.2024 12:43:19

Highest Band Edge / Full RB



Date: 15.MAY.2024 12:56:00

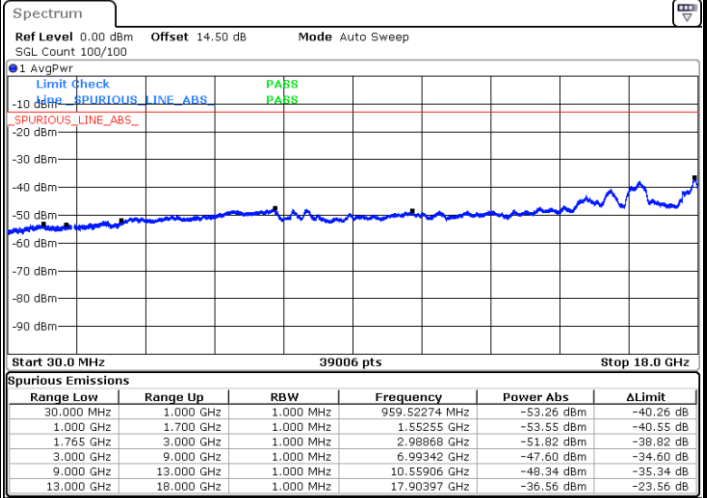
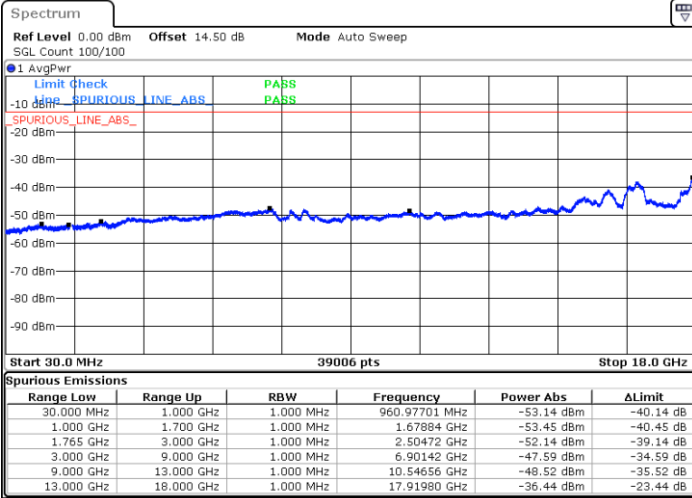


Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

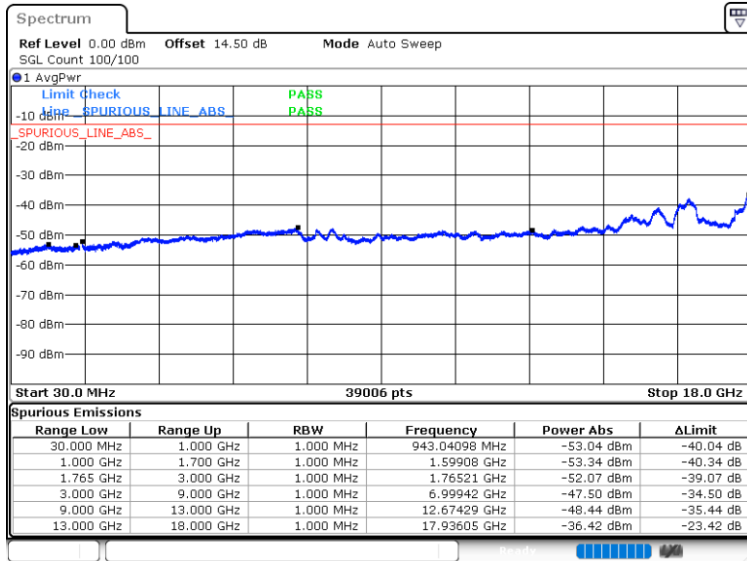
Middle Channel / QPSK



Date: 15.MAY.2024 11:03:00

Date: 15.MAY.2024 11:04:44

Highest Channel / QPSK



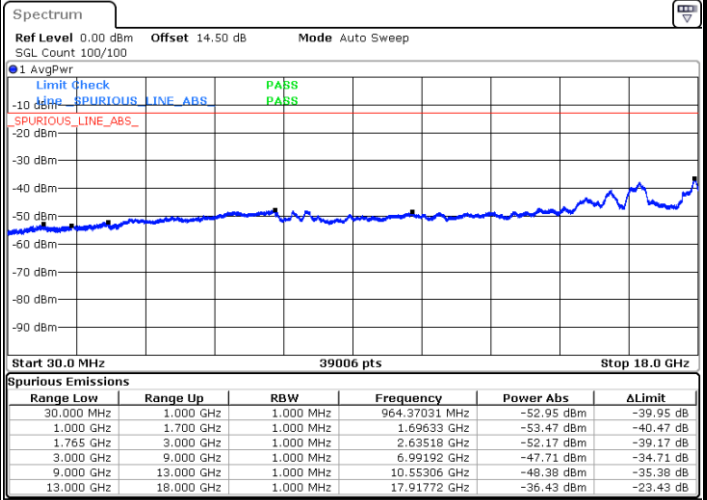
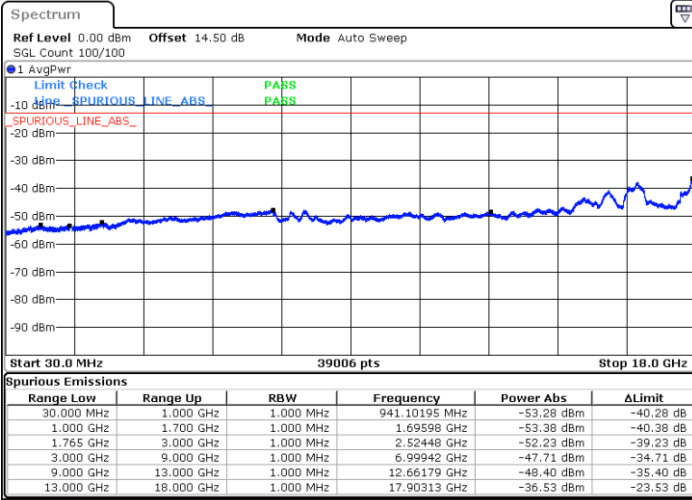
Date: 15.MAY.2024 11:14:23



LTE Band 4 / 3MHz

Lowest Channel / QPSK

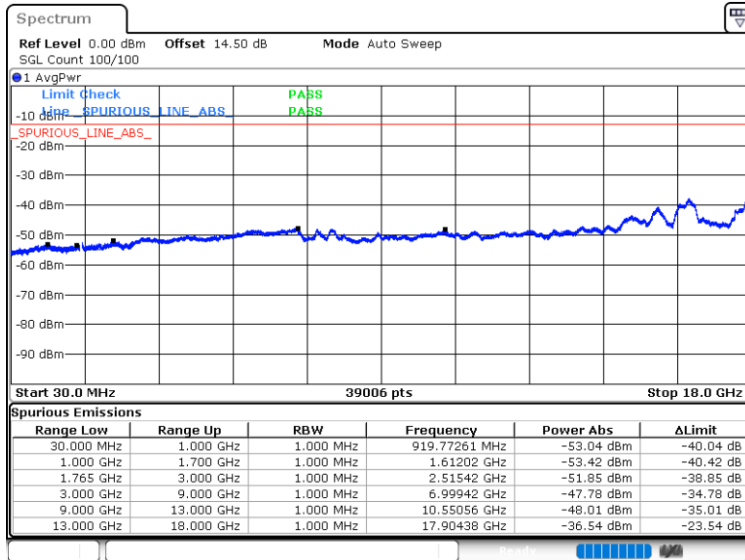
Middle Channel / QPSK



Date: 15.MAY.2024 11:23:25

Date: 15.MAY.2024 11:25:10

Highest Channel / QPSK



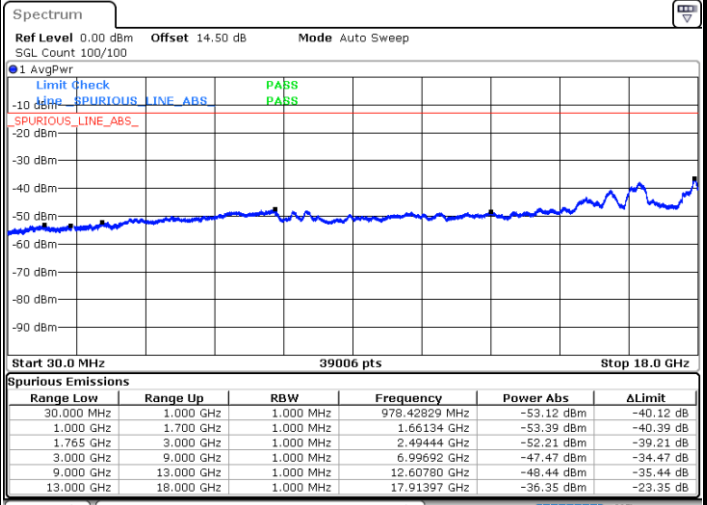
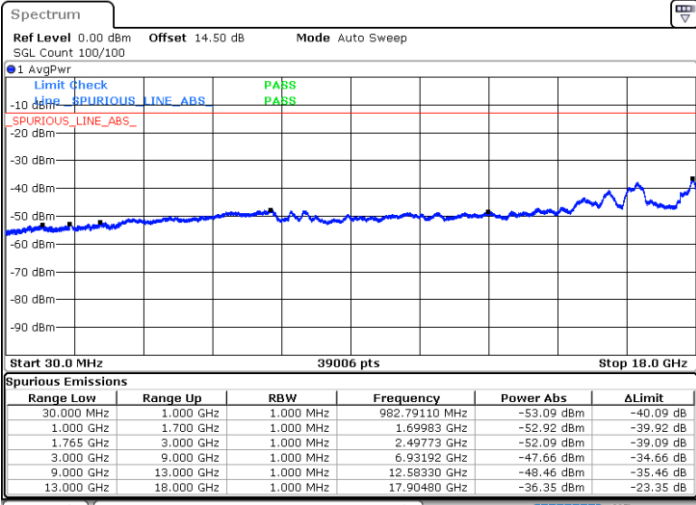
Date: 15.MAY.2024 11:34:48



LTE Band 4 / 5MHz

Lowest Channel / QPSK

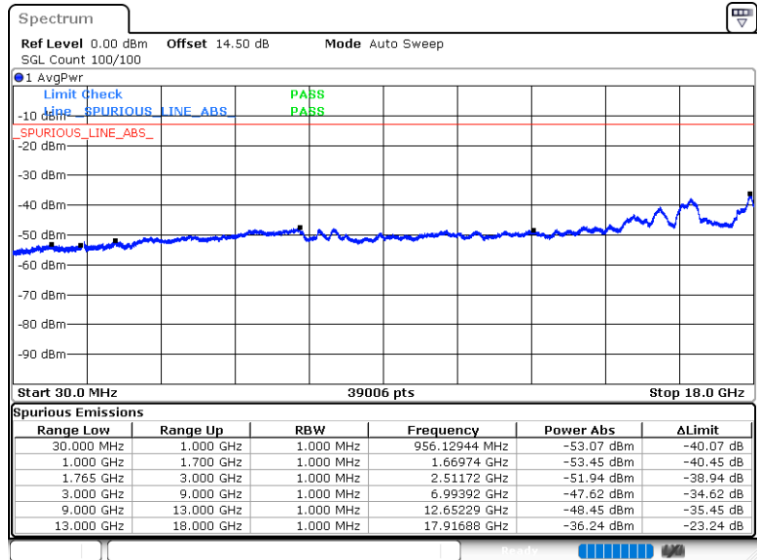
Middle Channel / QPSK



Date: 15.MAY.2024 11:43:50

Date: 15.MAY.2024 11:45:35

Highest Channel / QPSK



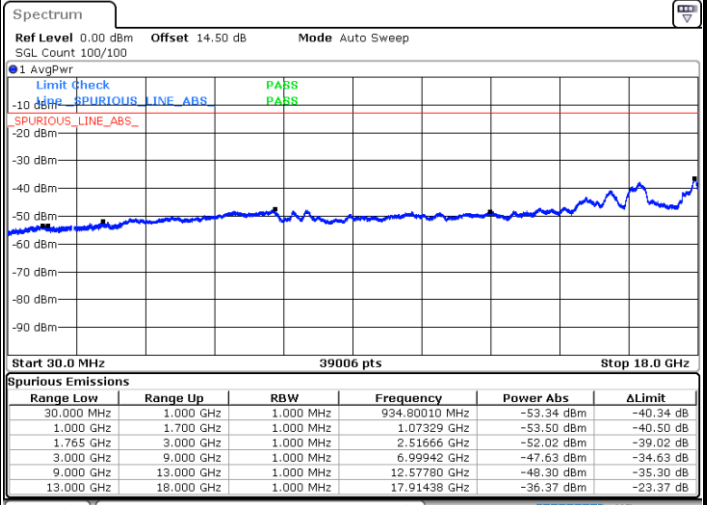
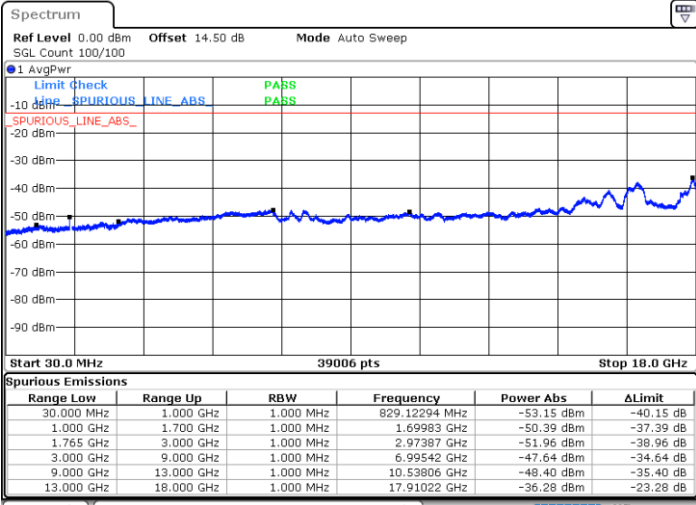
Date: 15.MAY.2024 11:55:14



LTE Band 4 / 10MHz

Lowest Channel / QPSK

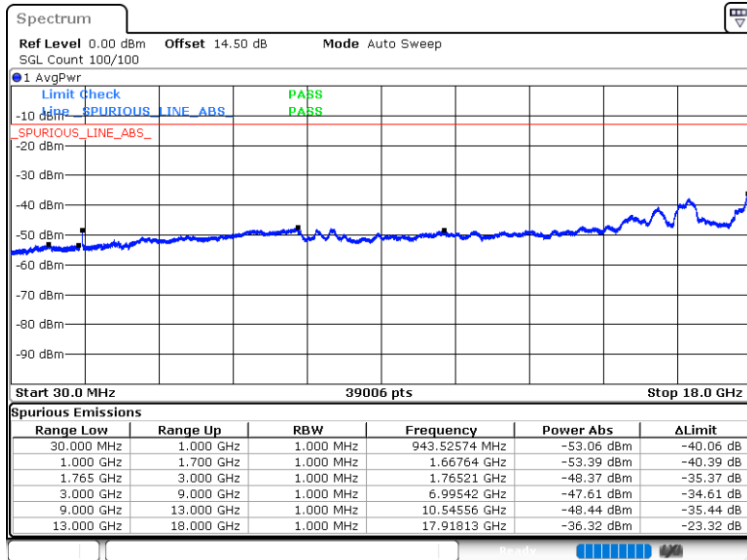
Middle Channel / QPSK



Date: 15.MAY.2024 12:04:16

Date: 15.MAY.2024 12:06:01

Highest Channel / QPSK



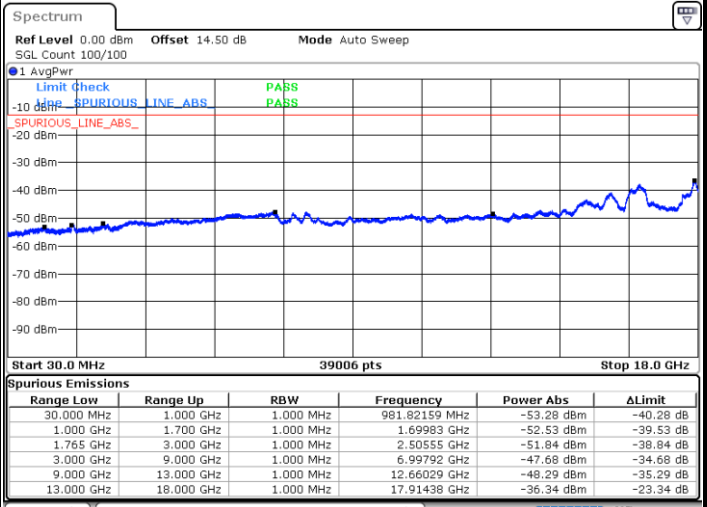
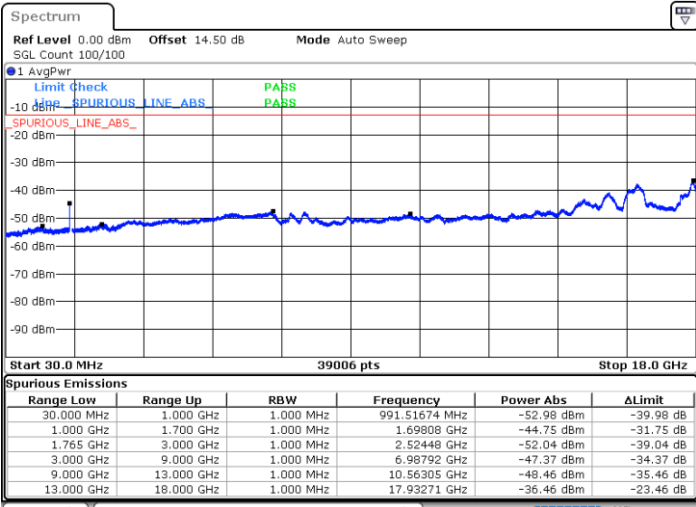
Date: 15.MAY.2024 12:15:39



LTE Band 4 / 15MHz

Lowest Channel / QPSK

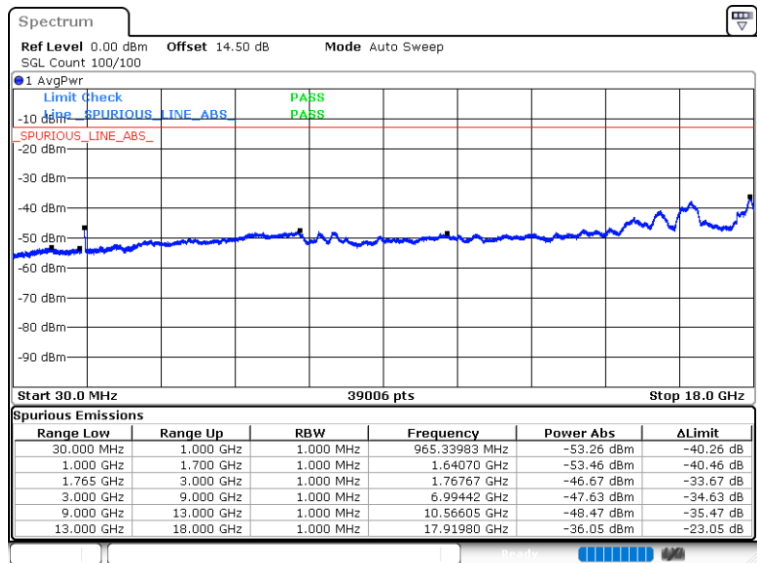
Middle Channel / QPSK



Date: 15.MAY.2024 12:24:40

Date: 15.MAY.2024 12:26:25

Highest Channel / QPSK



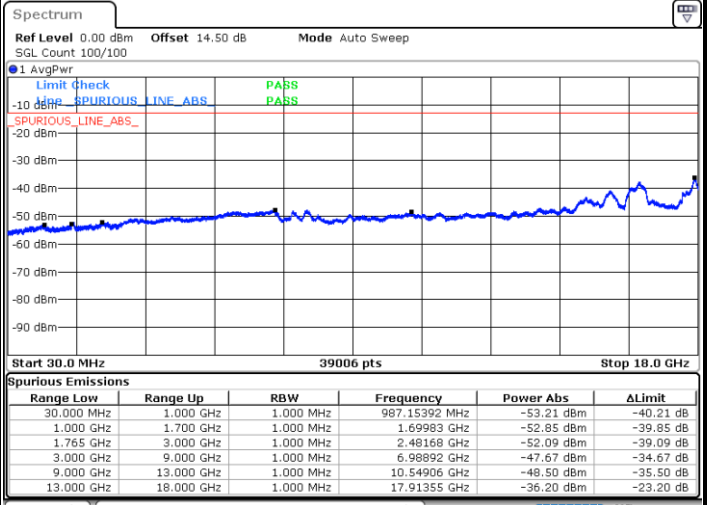
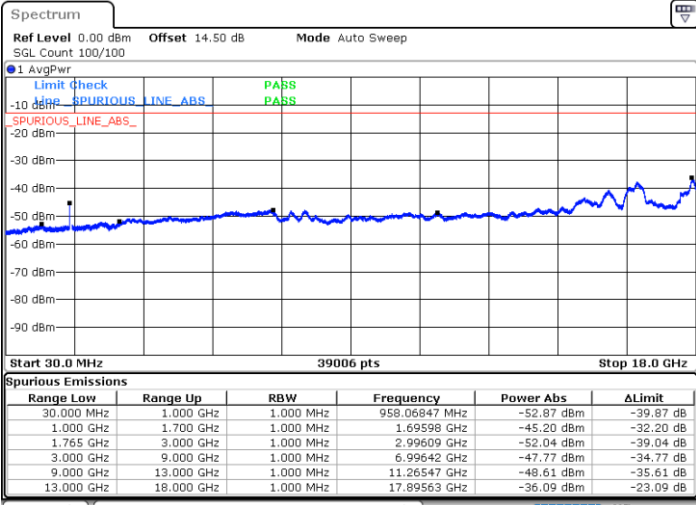
Date: 15.MAY.2024 12:36:03



LTE Band 4 / 20MHz

Lowest Channel / QPSK

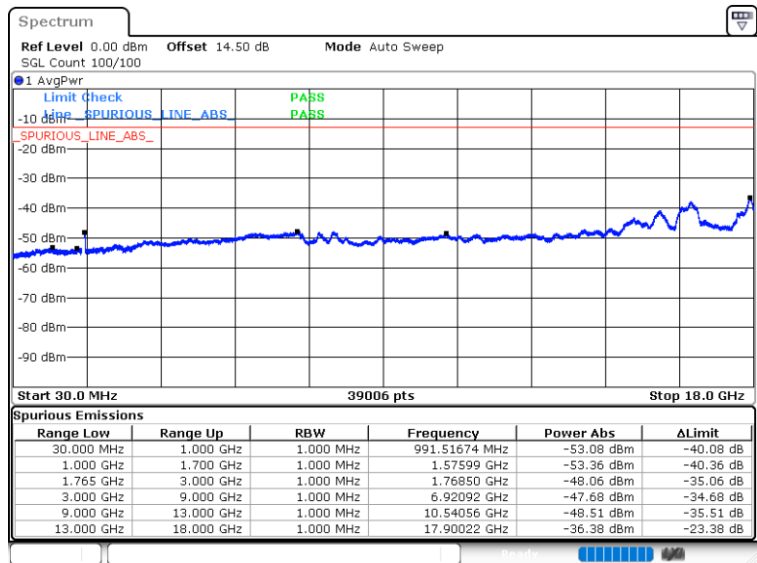
Middle Channel / QPSK



Date: 15.MAY.2024 12:45:04

Date: 15.MAY.2024 12:46:48

Highest Channel / QPSK



Date: 15.MAY.2024 12:57:46



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0038	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0036	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0045	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0054	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

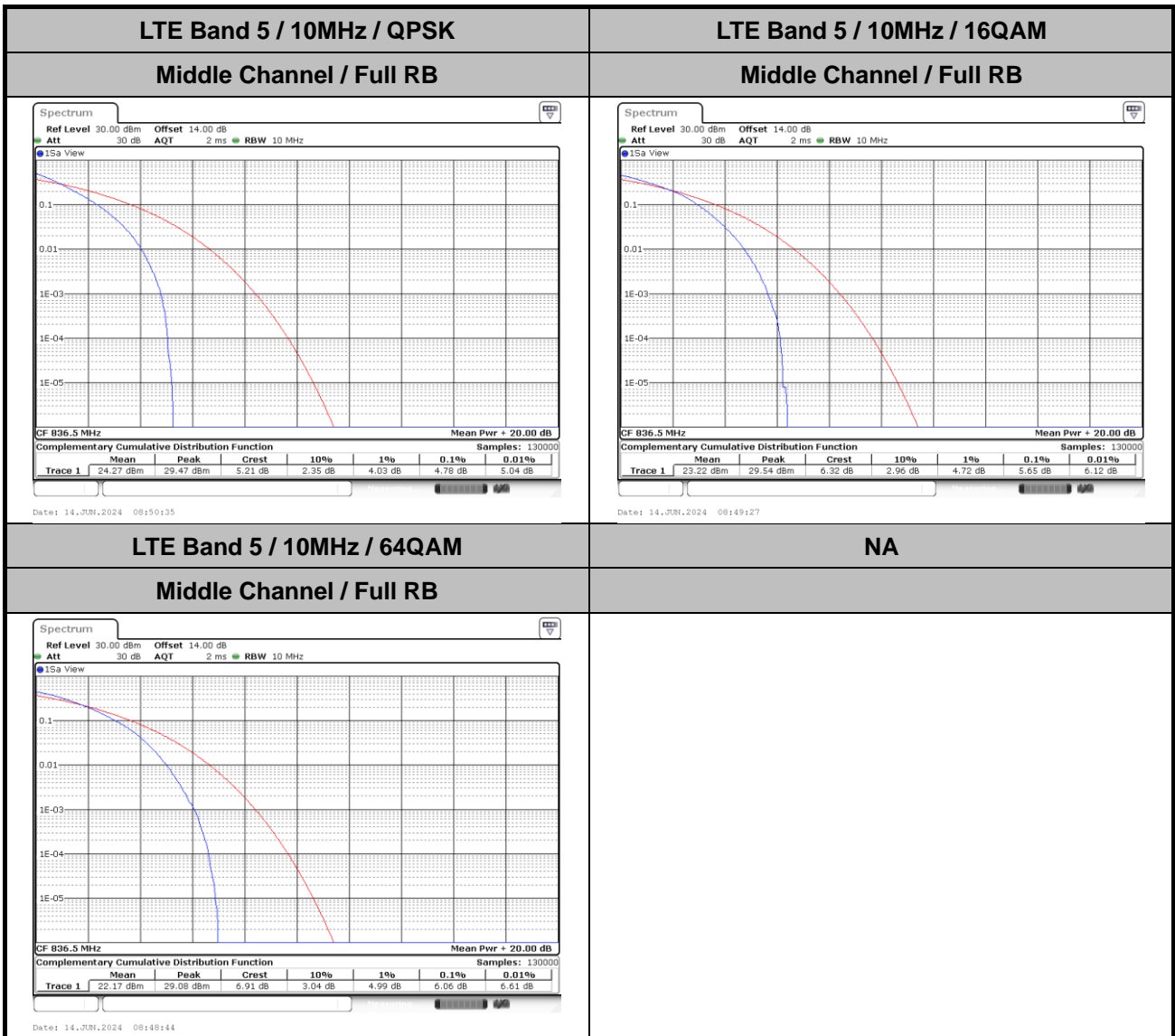
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5 (Other PA)

Peak-to-Average Ratio

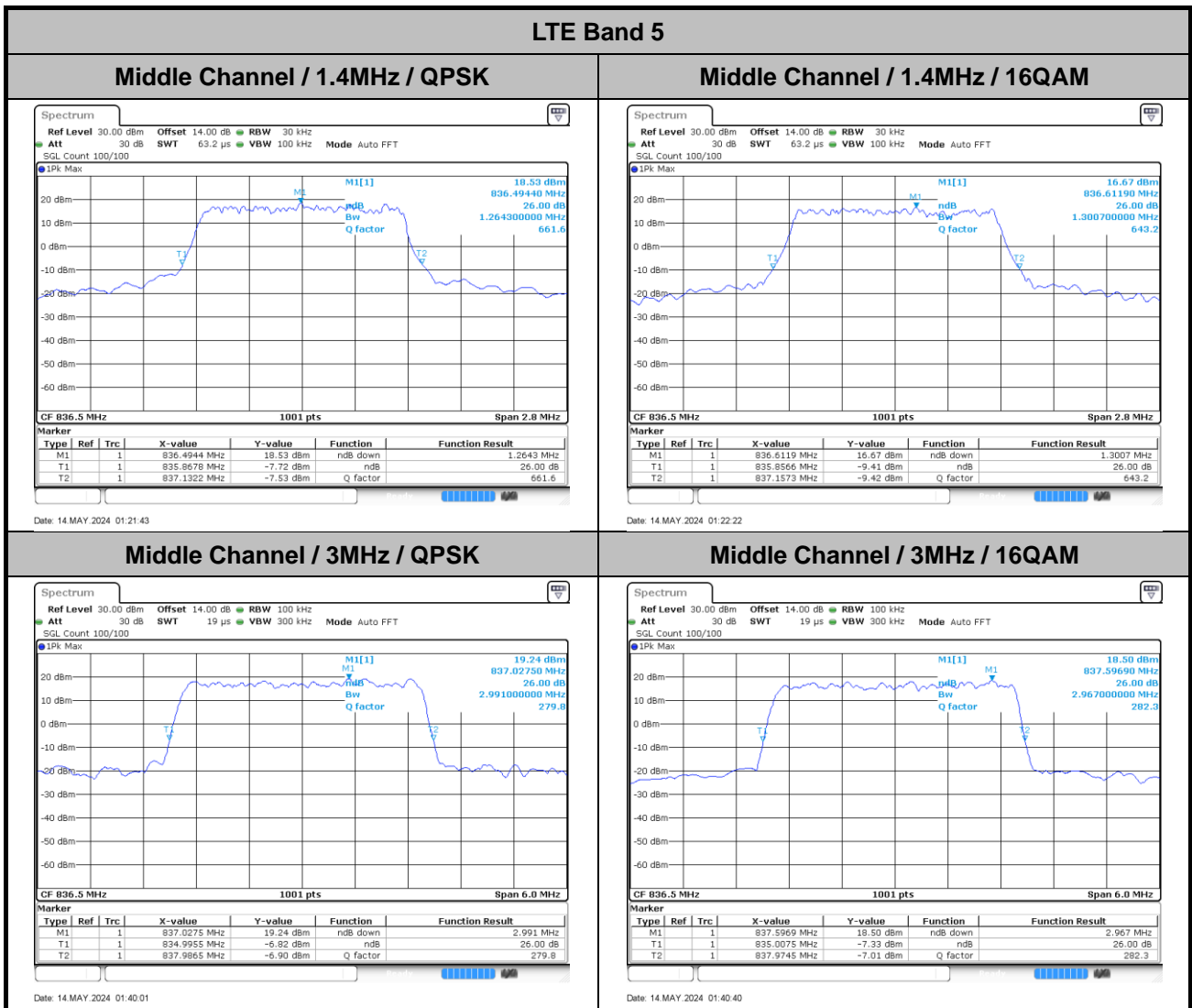
Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.78	5.65	6.06	PASS





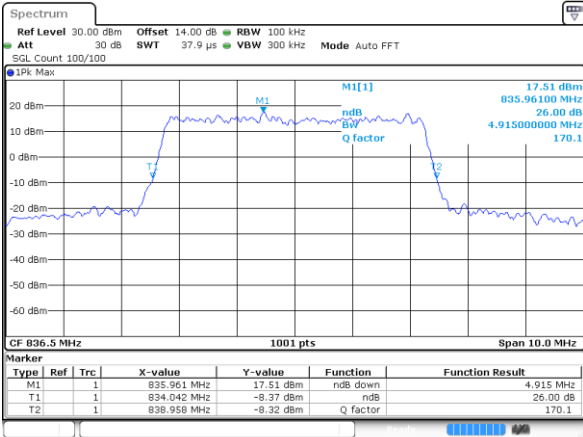
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)							
	1.4MHz		3MHz		5MHz		10MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.26	1.30	2.99	2.97	4.92	4.89	9.81	9.75



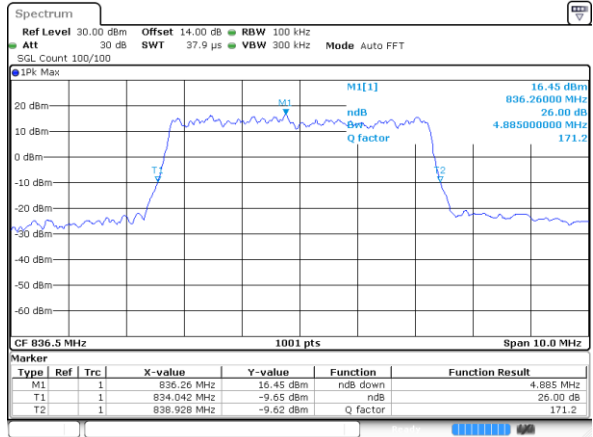


Middle Channel / 5MHz / QPSK



Date: 14.MAY.2024 01:59:57

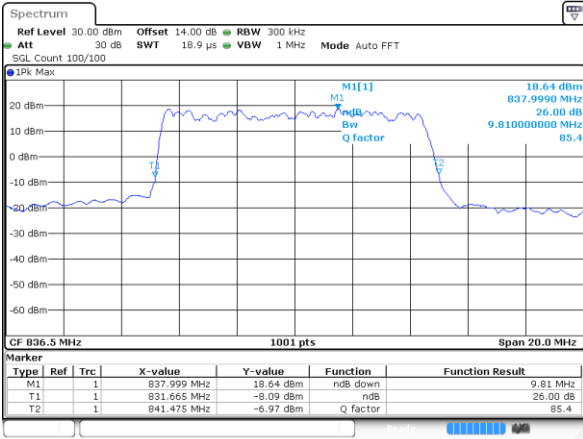
Middle Channel / 5MHz / 16QAM



Date: 14.MAY.2024 02:00:36

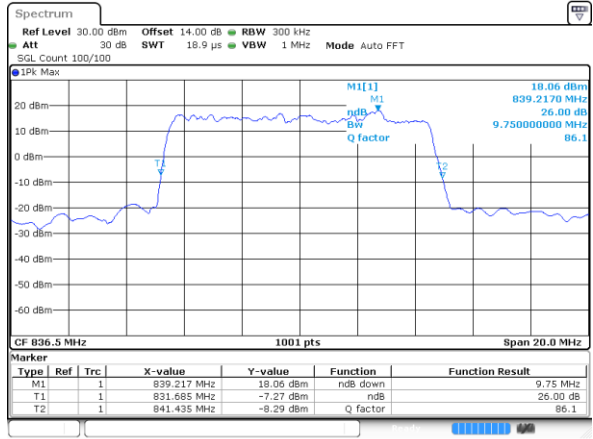
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 14.MAY.2024 02:42:02

Middle Channel / 10MHz / 16QAM

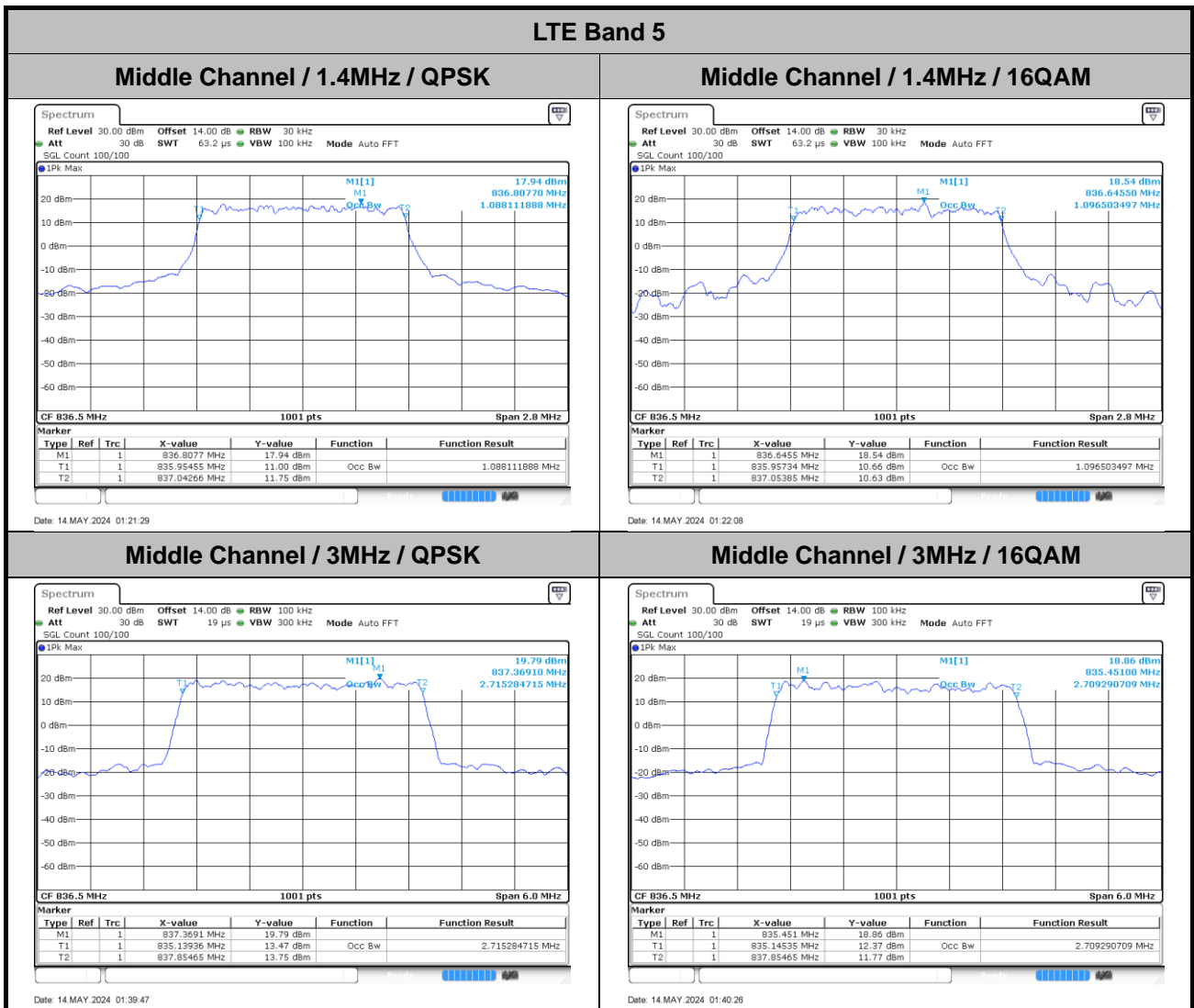


Date: 14.MAY.2024 02:42:42



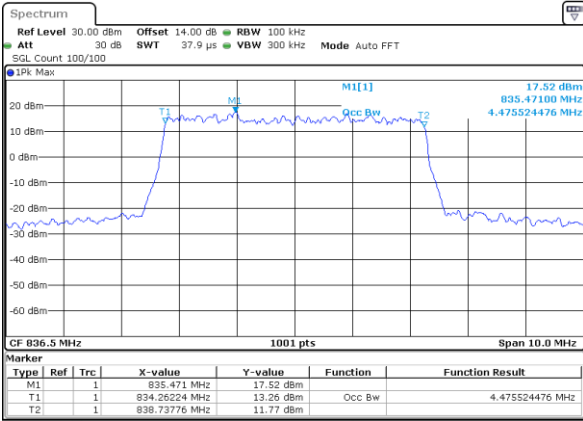
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)							
	1.4MHz		3MHz		5MHz		10MHz	
BW	1.4MHz		3MHz		5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.72	2.71	4.48	4.50	9.01	9.01



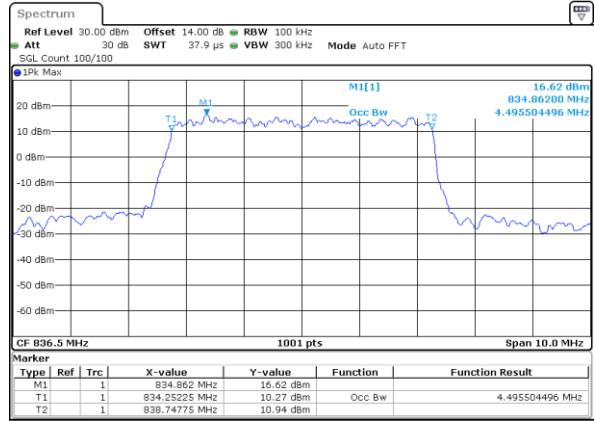


Middle Channel / 5MHz / QPSK



Date: 14.MAY.2024 01:59:43

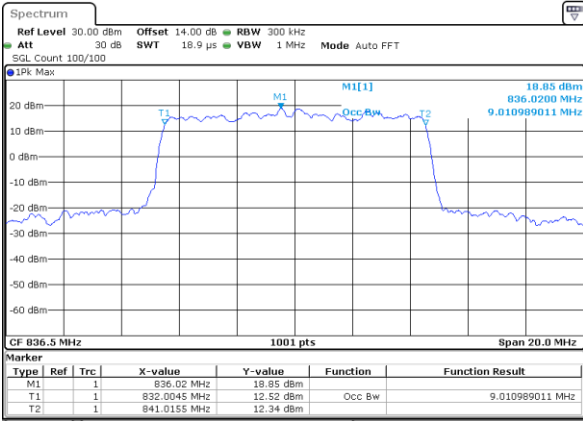
Middle Channel / 5MHz / 16QAM



Date: 14.MAY.2024 02:00:23

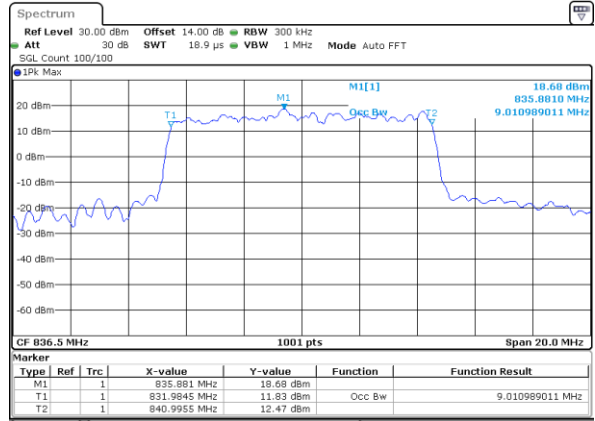
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 14.MAY.2024 02:41:49

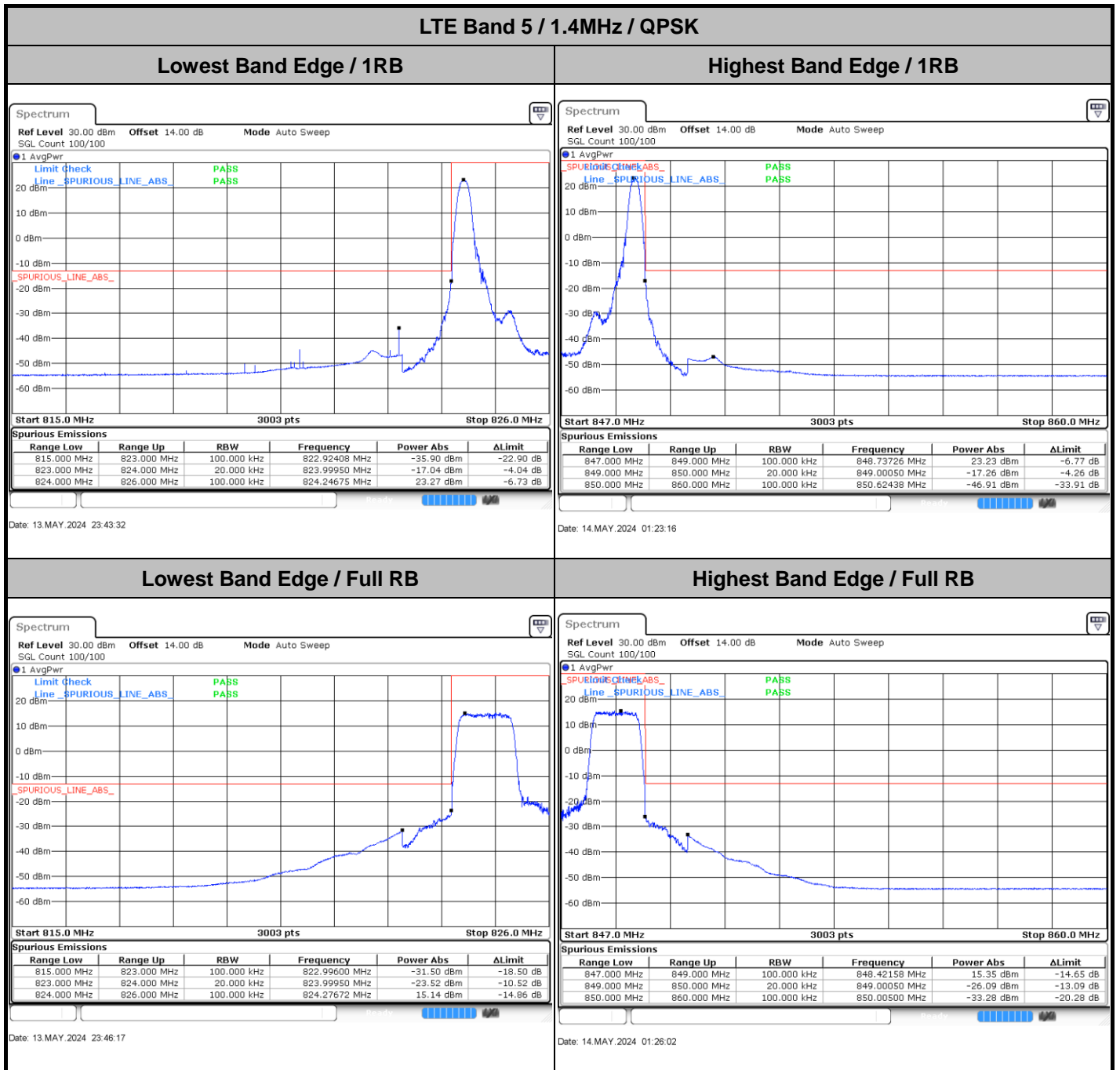
Middle Channel / 10MHz / 16QAM



Date: 14.MAY.2024 02:42:28



Conducted Band Edge





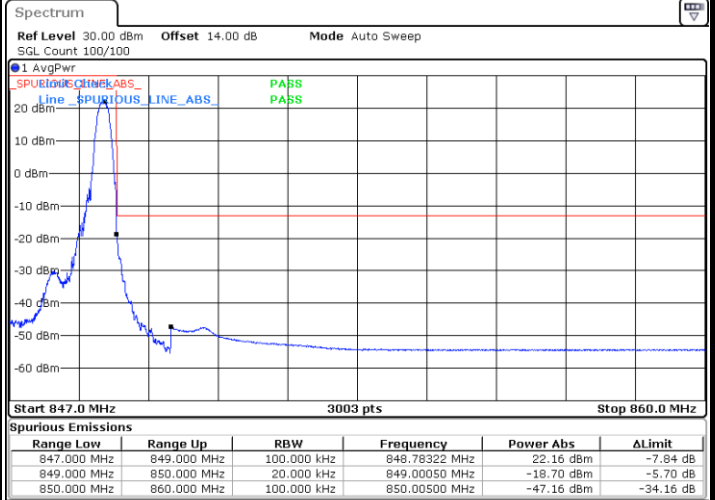
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



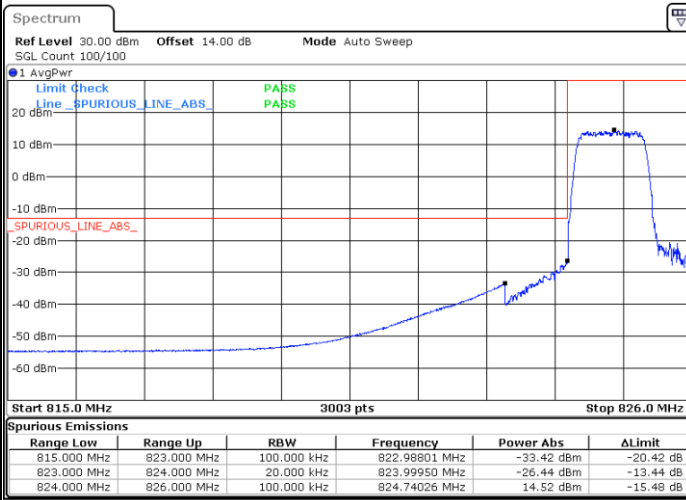
Date: 13 MAY 2024 23:44:27

Highest Band Edge / 1 RB



Date: 14 MAY 2024 01:24:11

Lowest Band Edge / Full RB



Date: 13 MAY 2024 23:47:13

Highest Band Edge / Full RB

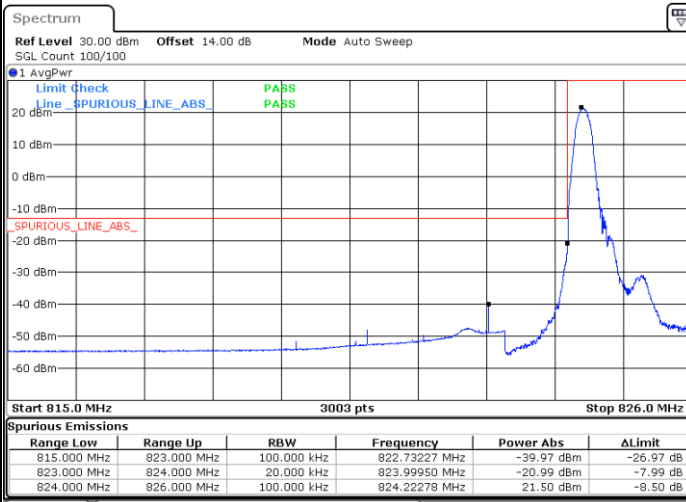


Date: 14 MAY 2024 01:26:57



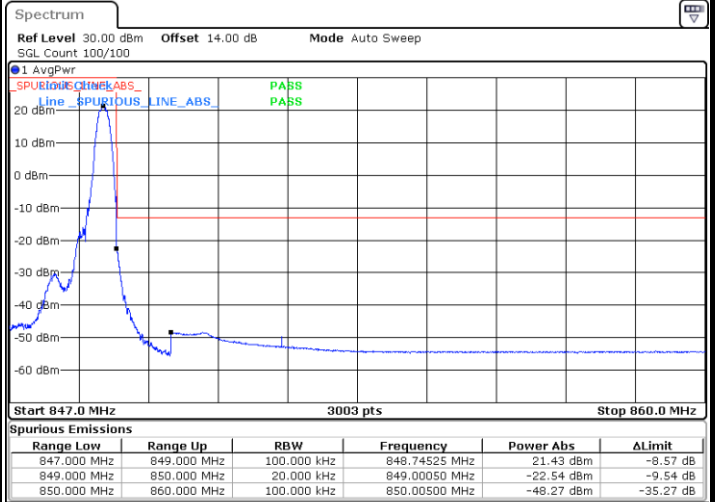
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



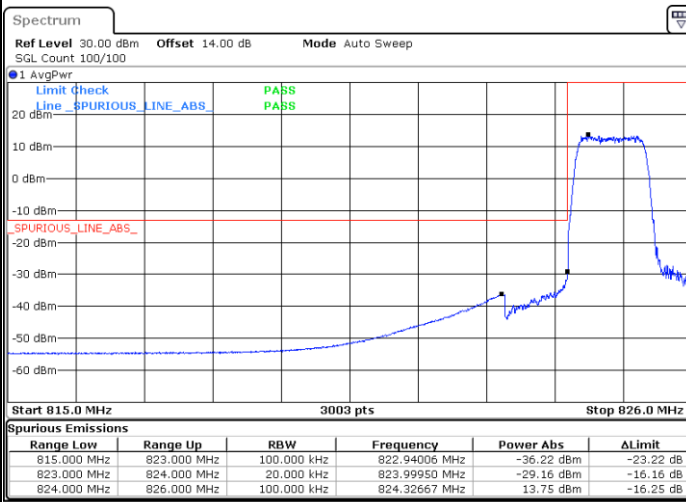
Date: 13 MAY 2024 23:45:22

Highest Band Edge / 1 RB



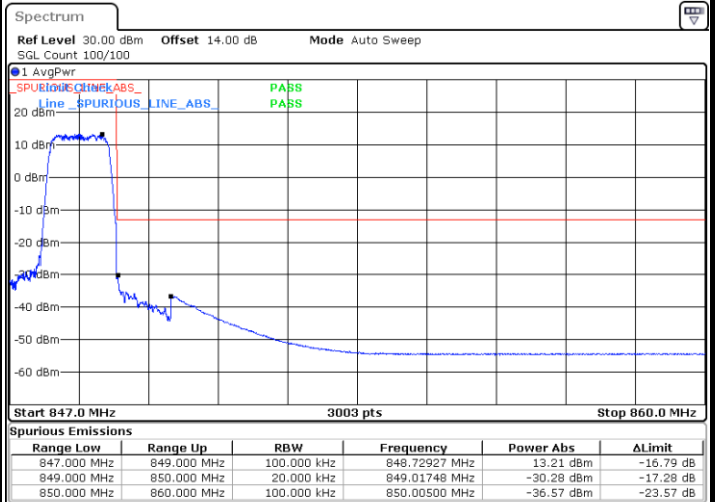
Date: 14 MAY 2024 01:25:07

Lowest Band Edge / Full RB



Date: 13 MAY 2024 23:48:08

Highest Band Edge / Full RB

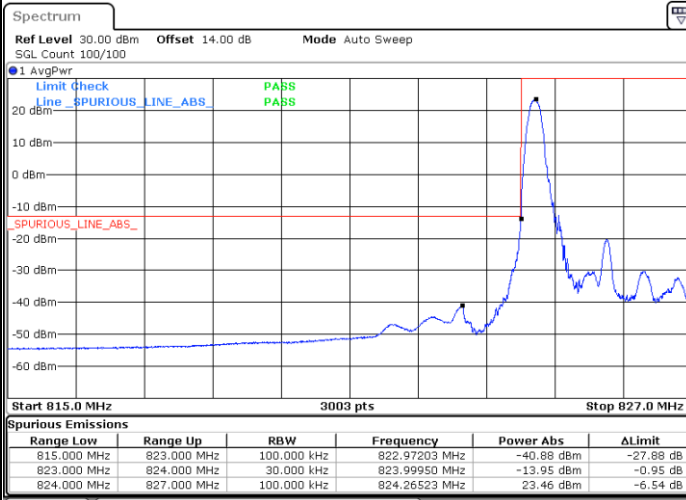


Date: 14 MAY 2024 01:27:52



LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



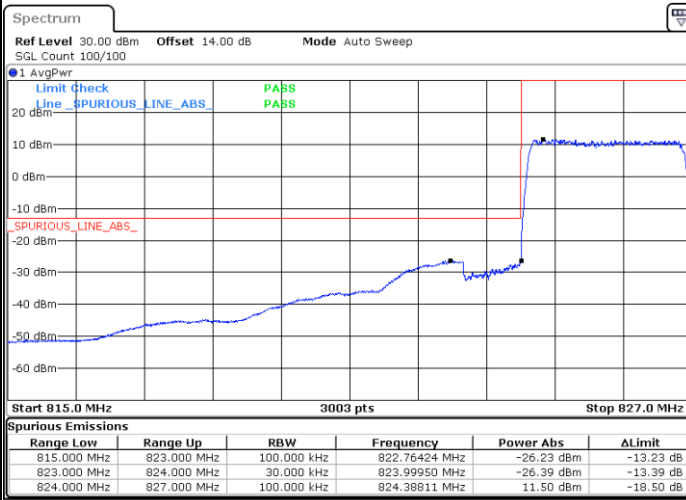
Date: 14 MAY 2024 01:31:16

Highest Band Edge / 1RB



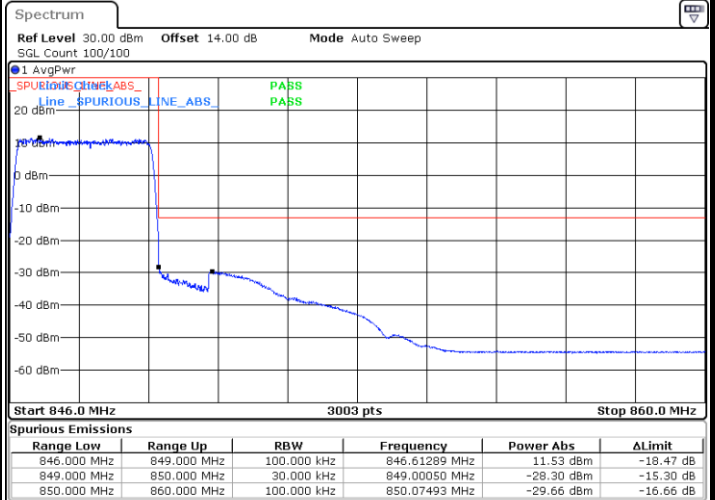
Date: 14 MAY 2024 01:41:34

Lowest Band Edge / Full RB



Date: 14 MAY 2024 01:34:02

Highest Band Edge / Full RB

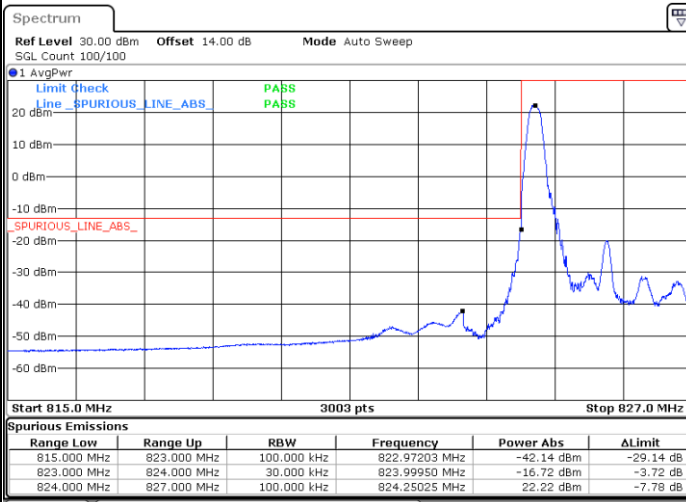


Date: 14 MAY 2024 01:44:20



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



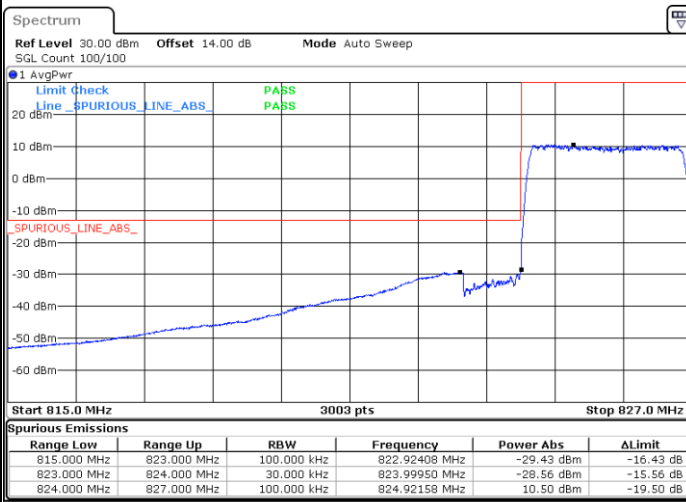
Date: 14 MAY 2024 01:32:12

Highest Band Edge / 1 RB



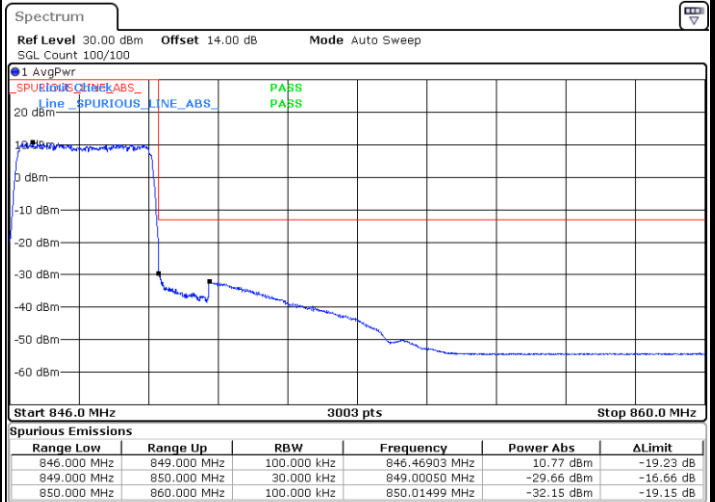
Date: 14 MAY 2024 01:42:30

Lowest Band Edge / Full RB



Date: 14 MAY 2024 01:34:57

Highest Band Edge / Full RB

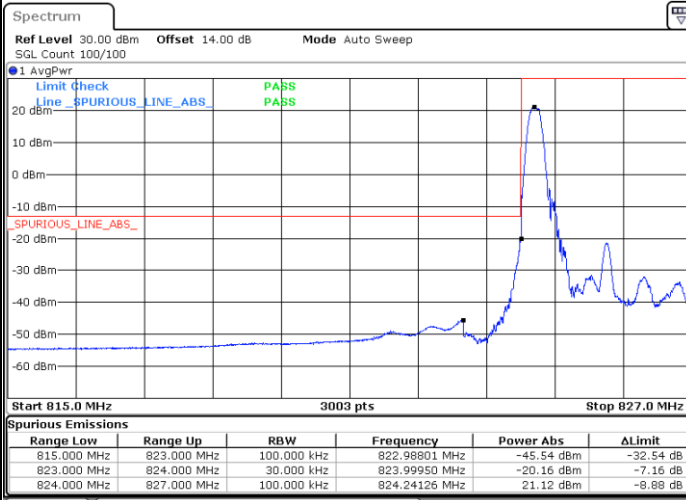


Date: 14 MAY 2024 01:45:15



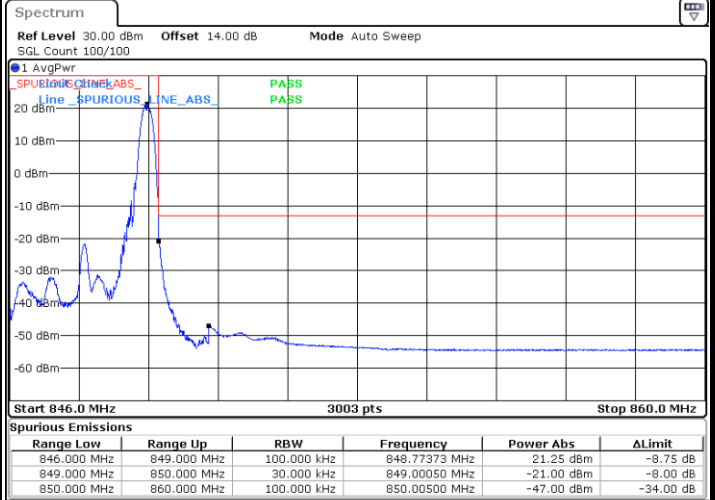
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



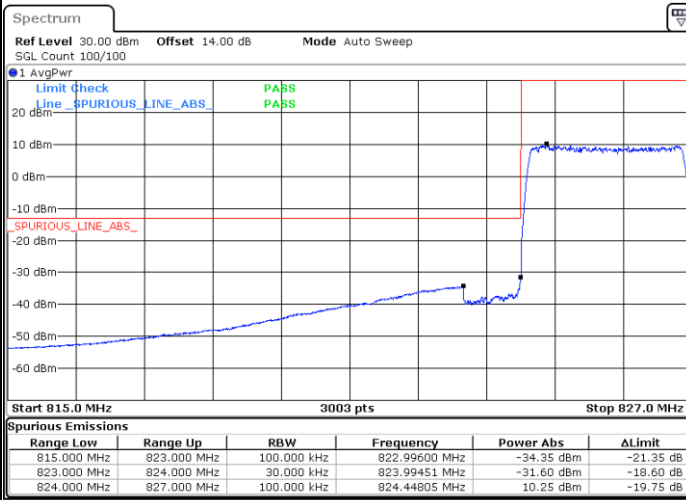
Date: 14 MAY 2024 01:33:07

Highest Band Edge / 1 RB



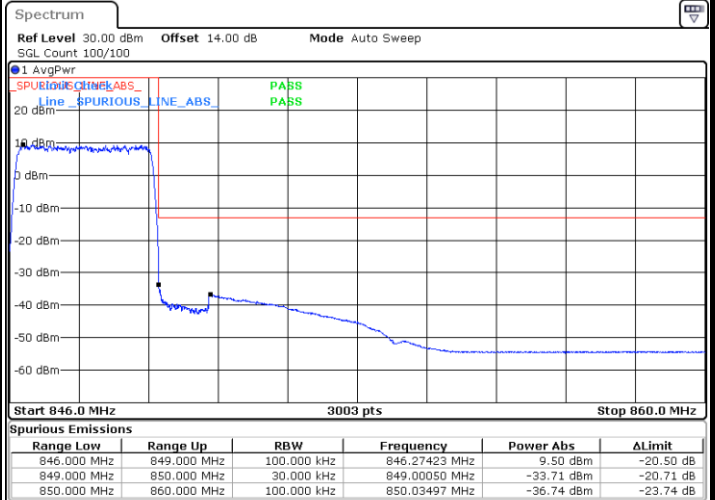
Date: 14 MAY 2024 01:43:25

Lowest Band Edge / Full RB



Date: 14 MAY 2024 01:35:52

Highest Band Edge / Full RB

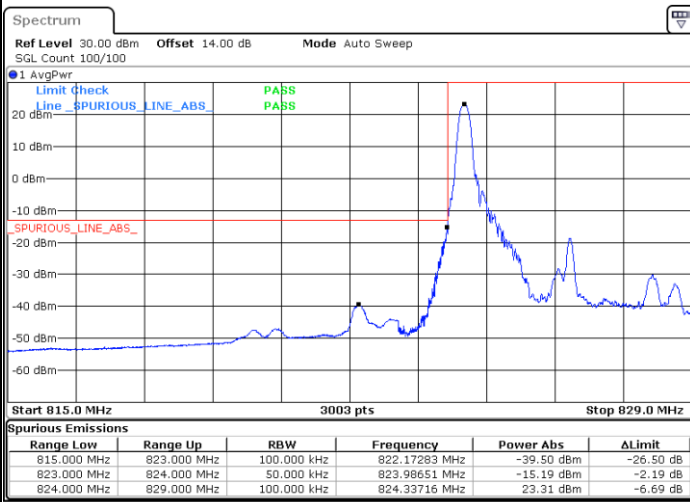


Date: 14 MAY 2024 01:46:11



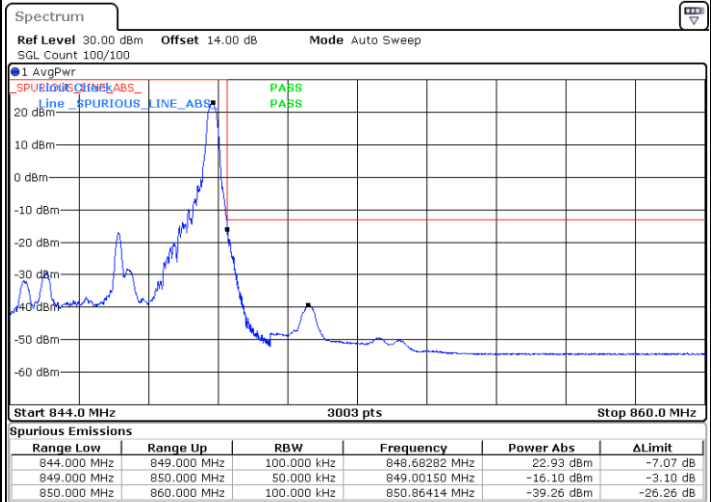
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1RB



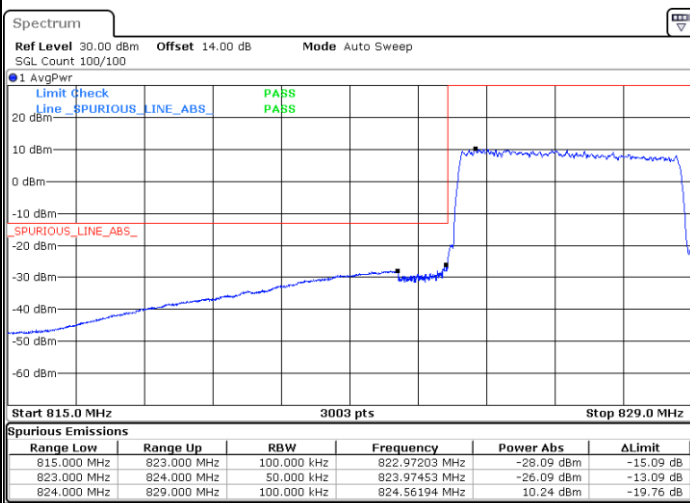
Date: 14 MAY 2024 01:51:14

Highest Band Edge / 1RB



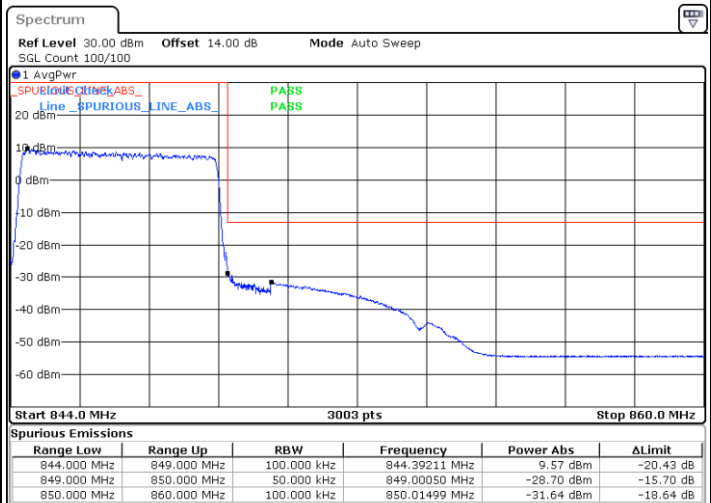
Date: 14 MAY 2024 02:01:31

Lowest Band Edge / Full RB



Date: 14 MAY 2024 01:53:59

Highest Band Edge / Full RB

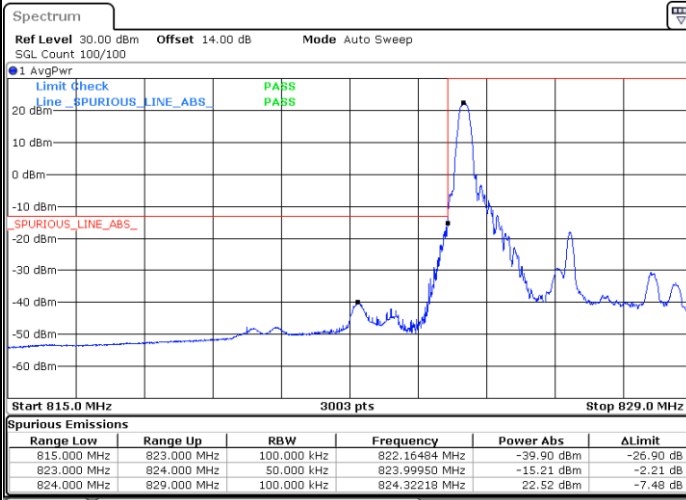


Date: 14 MAY 2024 03:13:26



LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



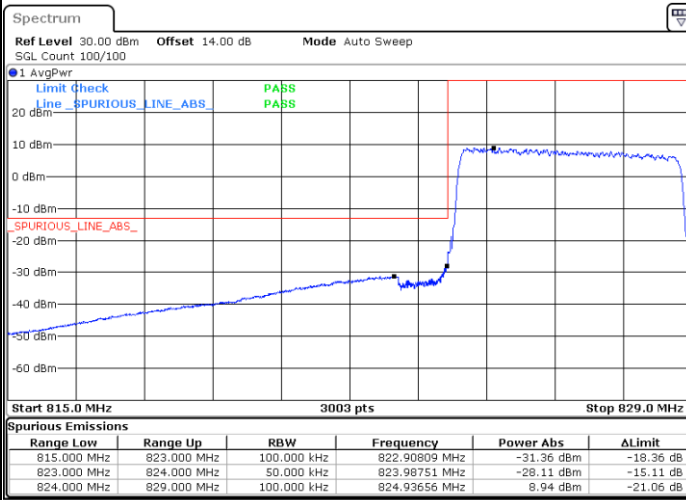
Date: 14 MAY 2024 01:52:09

Highest Band Edge / 1 RB



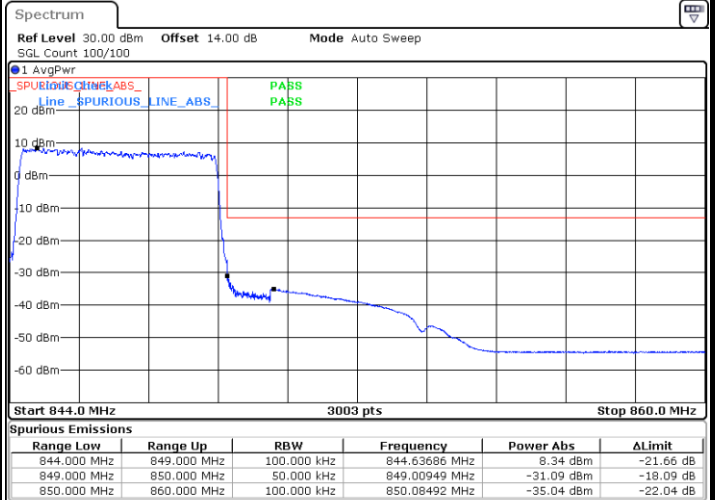
Date: 14 MAY 2024 02:02:29

Lowest Band Edge / Full RB



Date: 14 MAY 2024 01:54:54

Highest Band Edge / Full RB

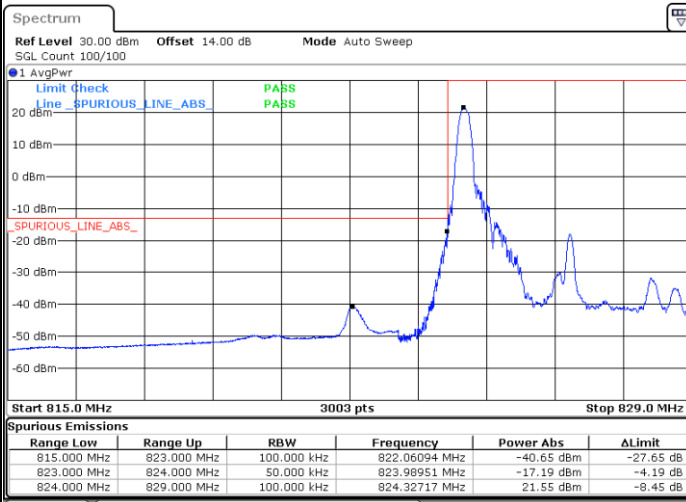


Date: 14 MAY 2024 03:15:25



LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



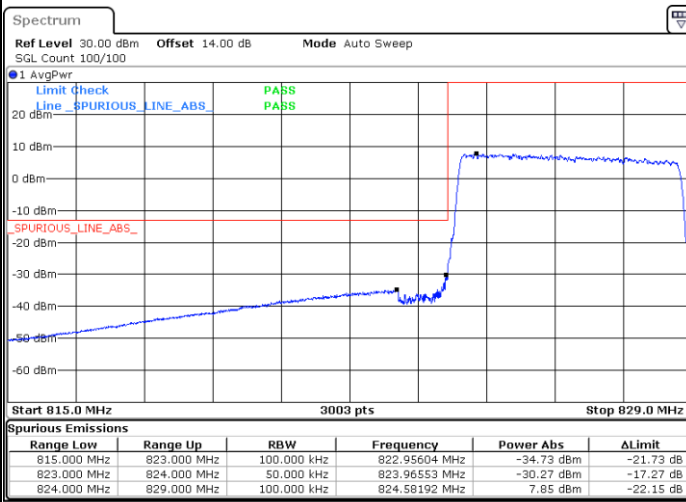
Date: 14 MAY 2024 01:53:04

Highest Band Edge / 1 RB



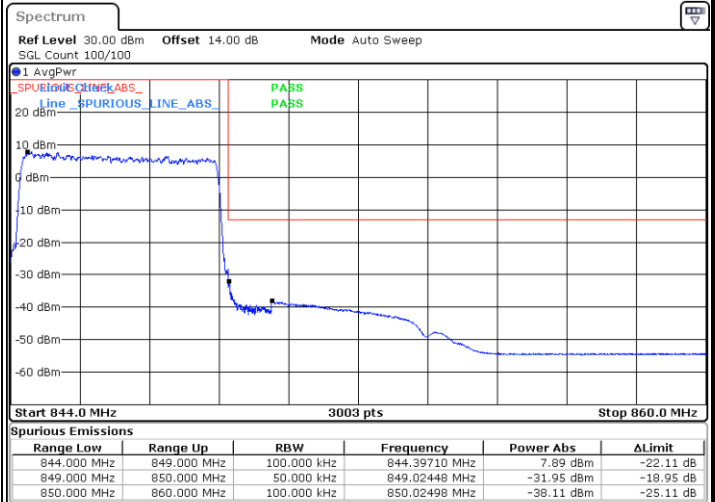
Date: 14 MAY 2024 02:03:25

Lowest Band Edge / Full RB



Date: 14 MAY 2024 01:55:49

Highest Band Edge / Full RB

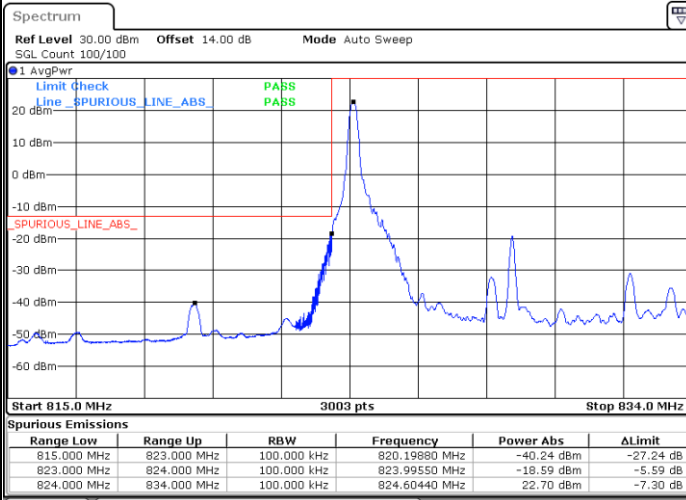


Date: 14 MAY 2024 03:16:22



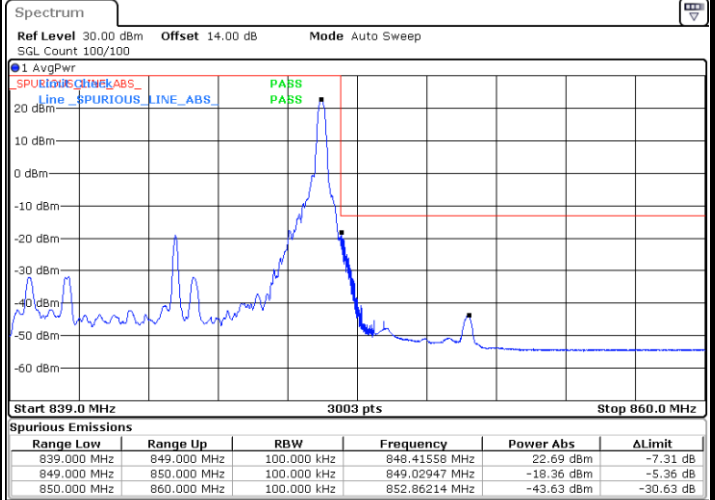
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1RB



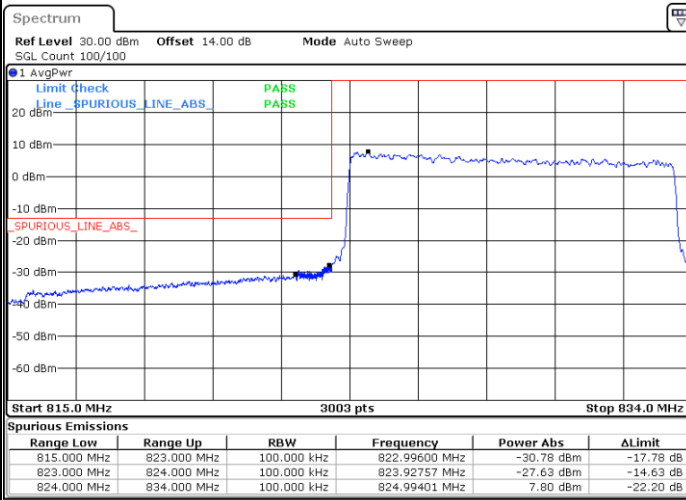
Date: 14 MAY 2024 02:33:15

Highest Band Edge / 1RB



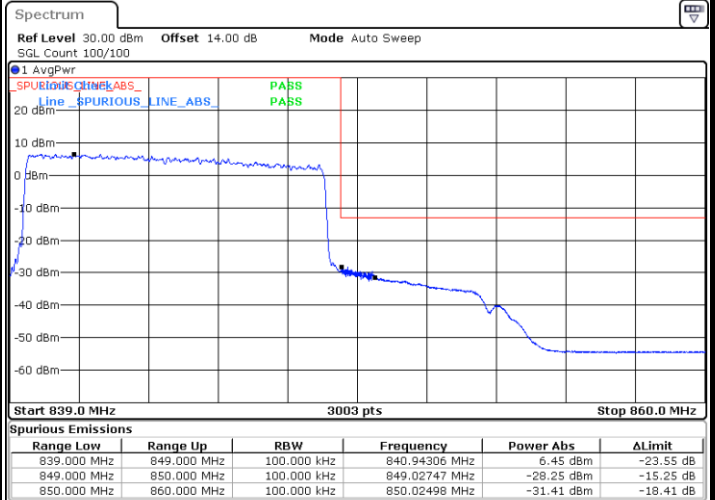
Date: 14 MAY 2024 02:44:20

Lowest Band Edge / Full RB



Date: 14 MAY 2024 02:36:04

Highest Band Edge / Full RB

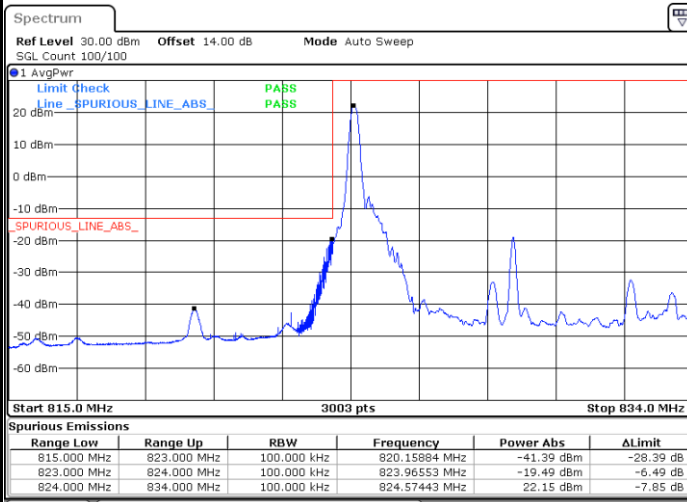


Date: 14 MAY 2024 02:47:06



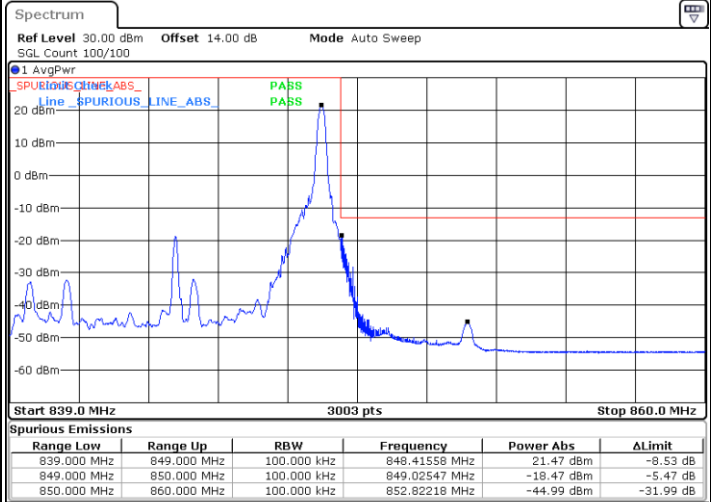
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



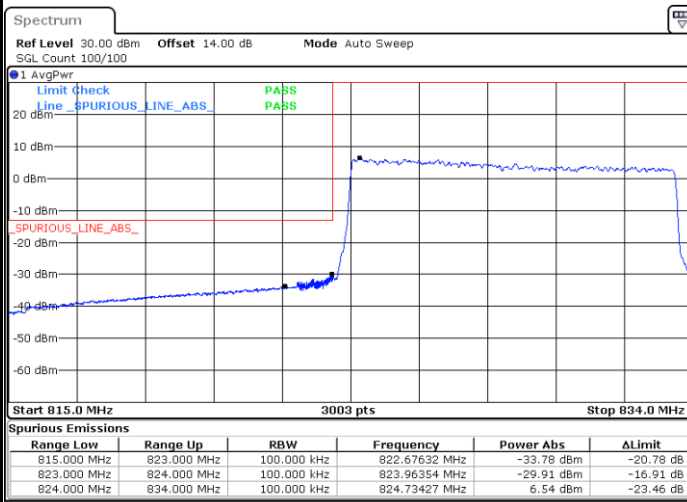
Date: 14 MAY 2024 02:34:11

Highest Band Edge / 1 RB



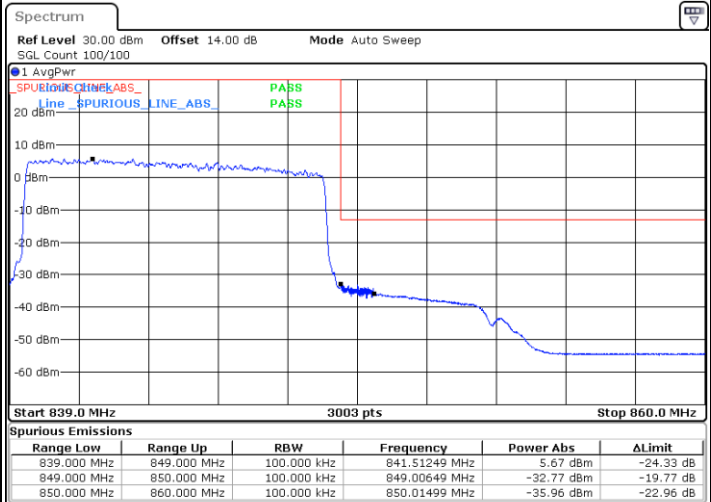
Date: 14 MAY 2024 02:45:15

Lowest Band Edge / Full RB



Date: 14 MAY 2024 02:36:59

Highest Band Edge / Full RB

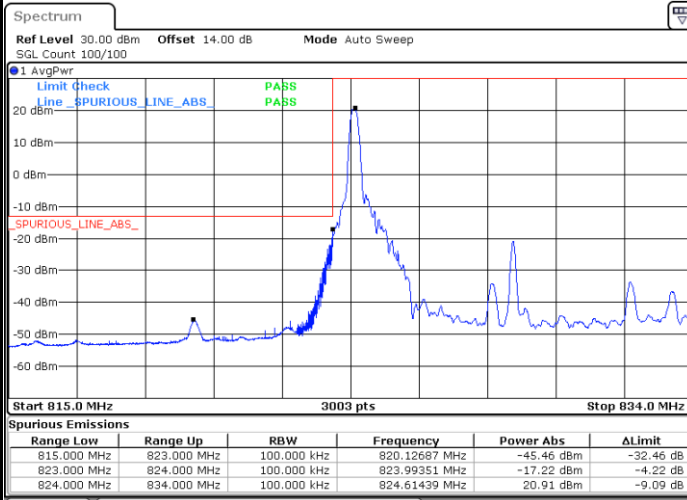


Date: 14 MAY 2024 02:48:01



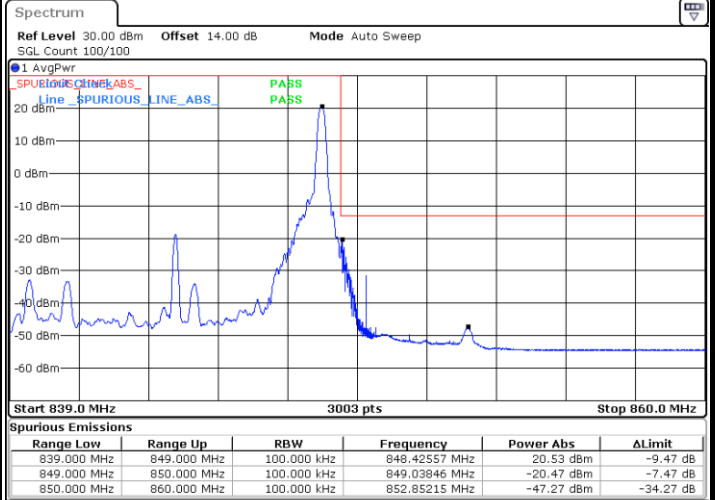
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



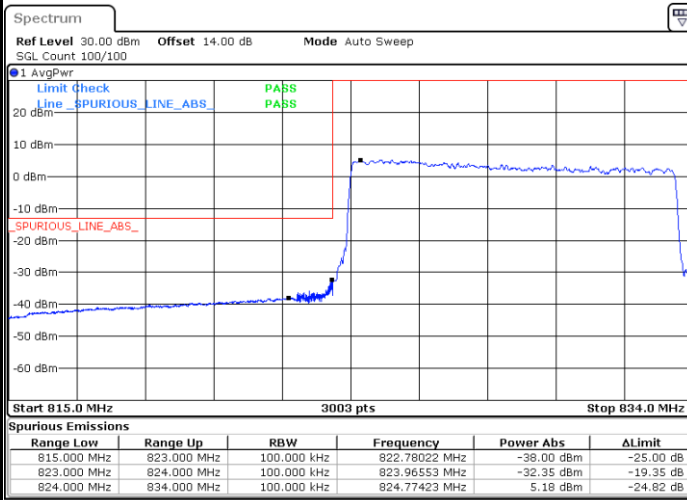
Date: 14 MAY 2024 02:35:06

Highest Band Edge / 1 RB



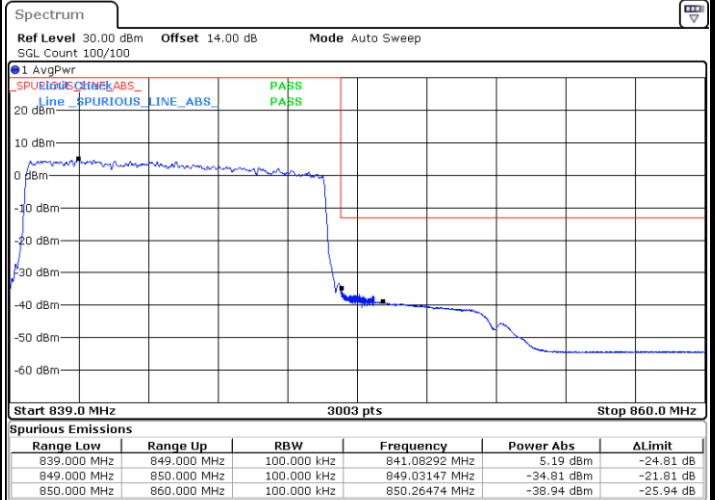
Date: 14 MAY 2024 02:46:11

Lowest Band Edge / Full RB



Date: 14 MAY 2024 02:37:54

Highest Band Edge / Full RB



Date: 14 MAY 2024 02:48:56

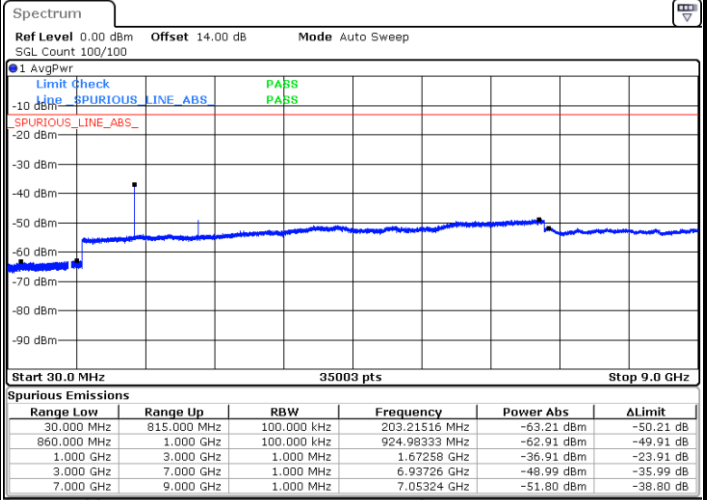
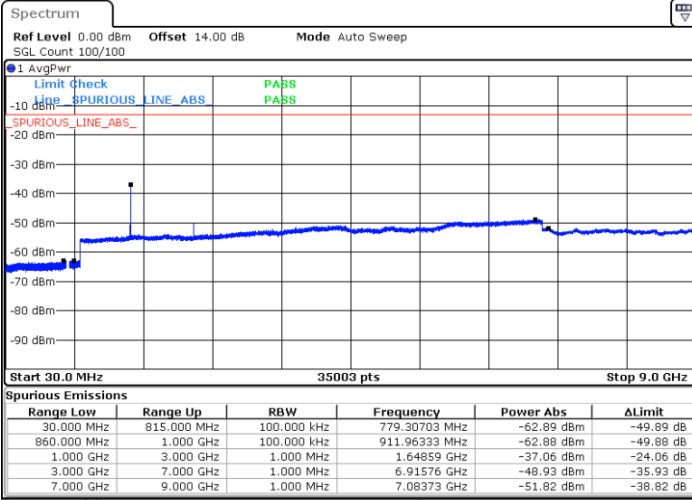


Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

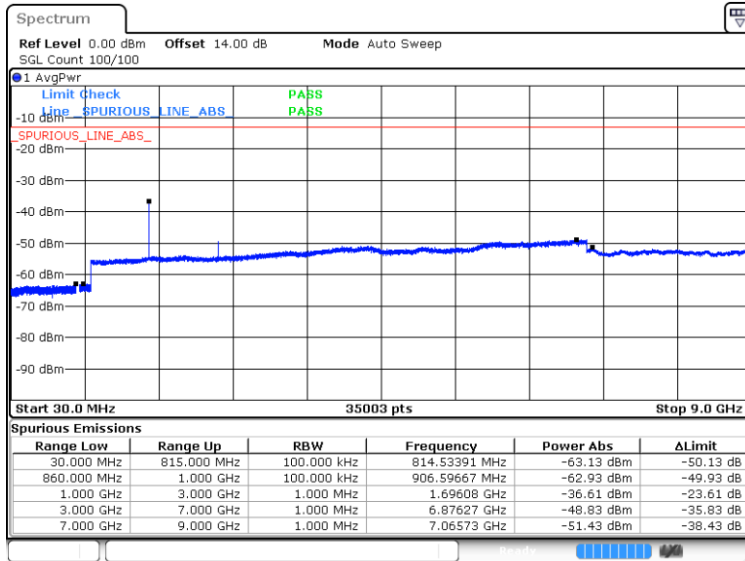
Middle Channel / QPSK



Date: 14.MAY.2024 01:19:19

Date: 14.MAY.2024 01:21:03

Highest Channel / QPSK



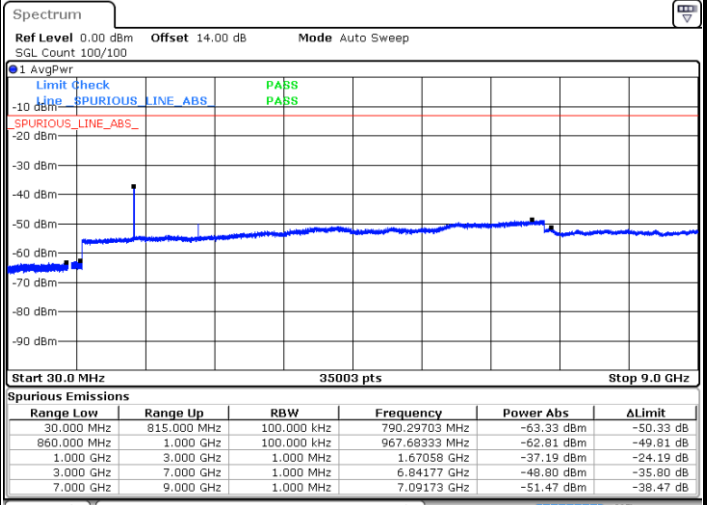
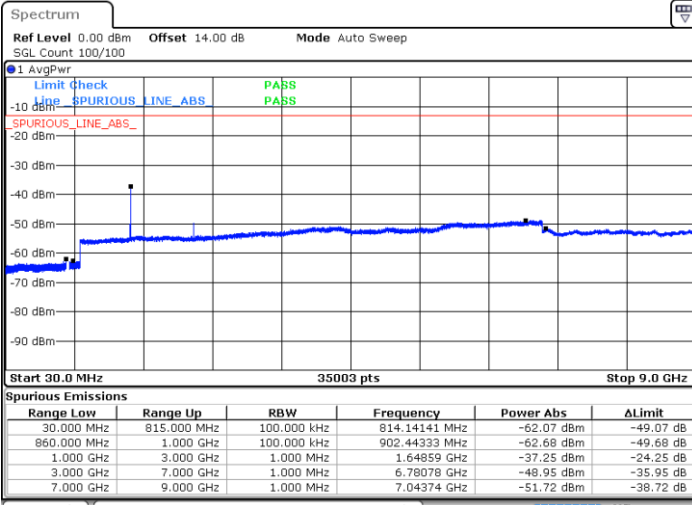
Date: 14.MAY.2024 01:29:37



LTE Band 5 / 3MHz

Lowest Channel / QPSK

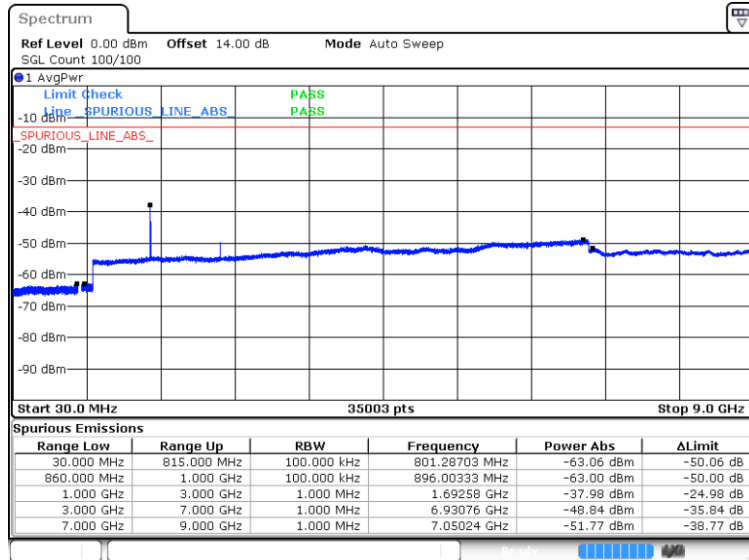
Middle Channel / QPSK



Date: 14.MAY.2024 01:37:37

Date: 14.MAY.2024 01:38:21

Highest Channel / QPSK



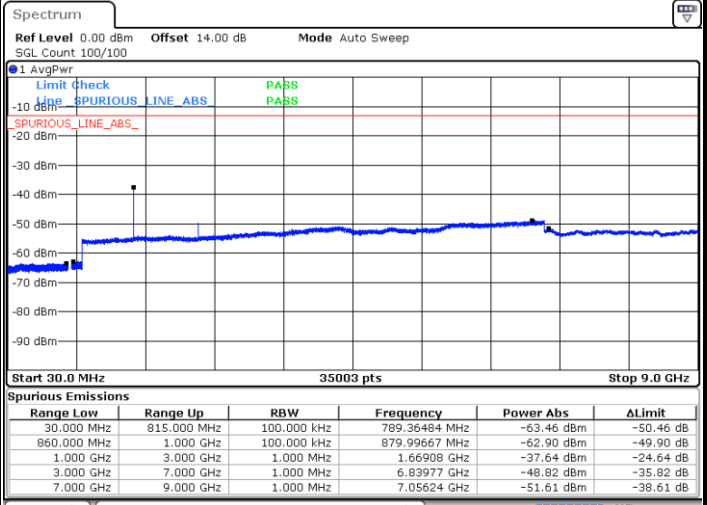
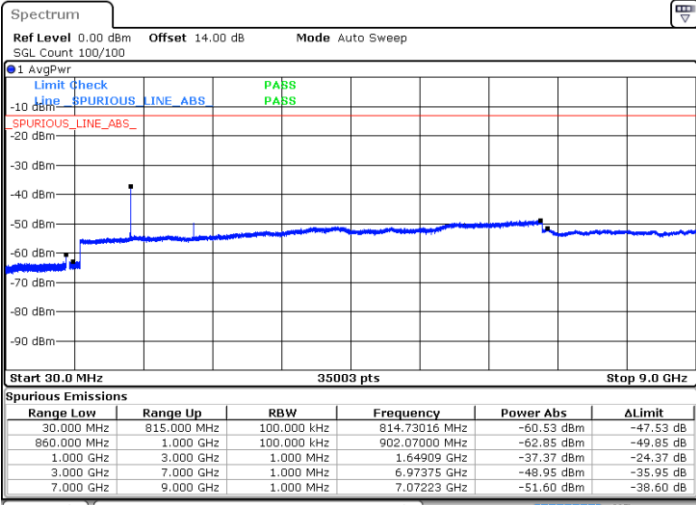
Date: 14.MAY.2024 01:47:55



LTE Band 5 / 5MHz

Lowest Channel / QPSK

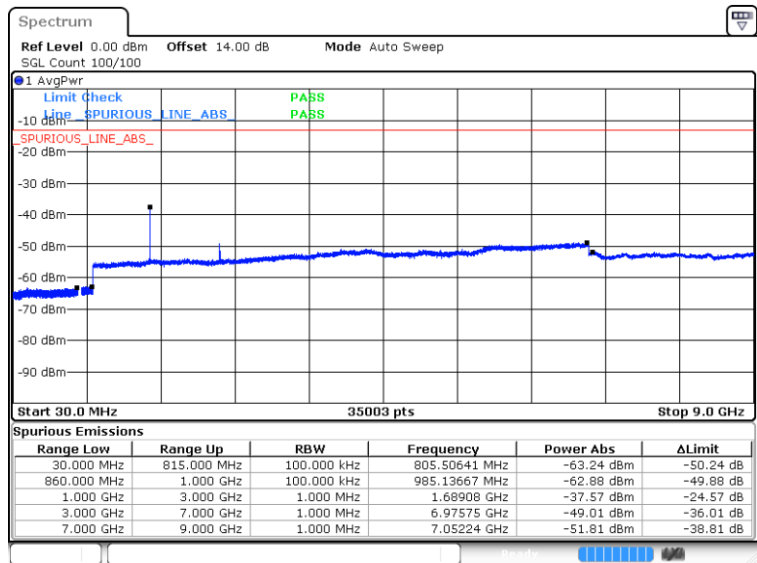
Middle Channel / QPSK



Date: 14.MAY.2024 01:57:34

Date: 14.MAY.2024 01:58:18

Highest Channel / QPSK



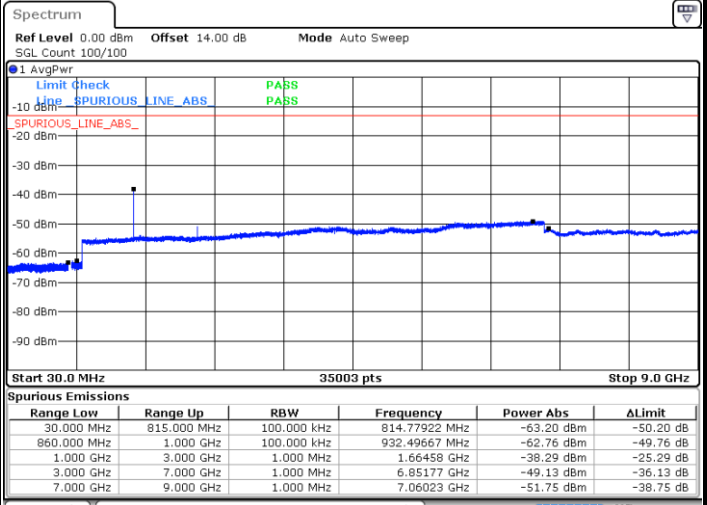
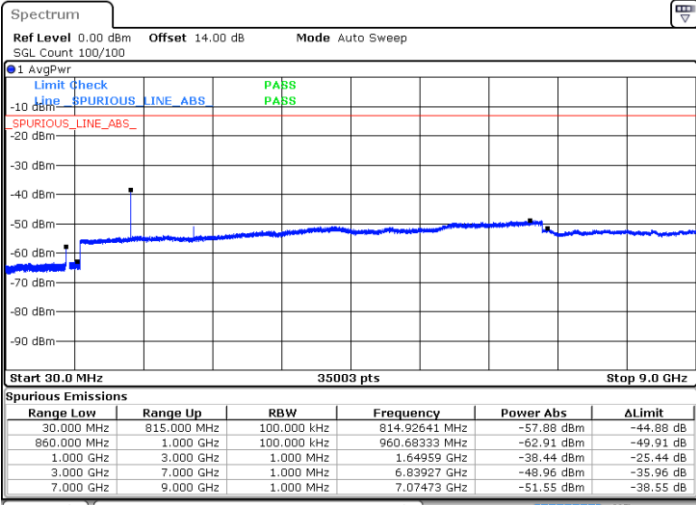
Date: 14.MAY.2024 02:31:38



LTE Band 5 / 10MHz

Lowest Channel / QPSK

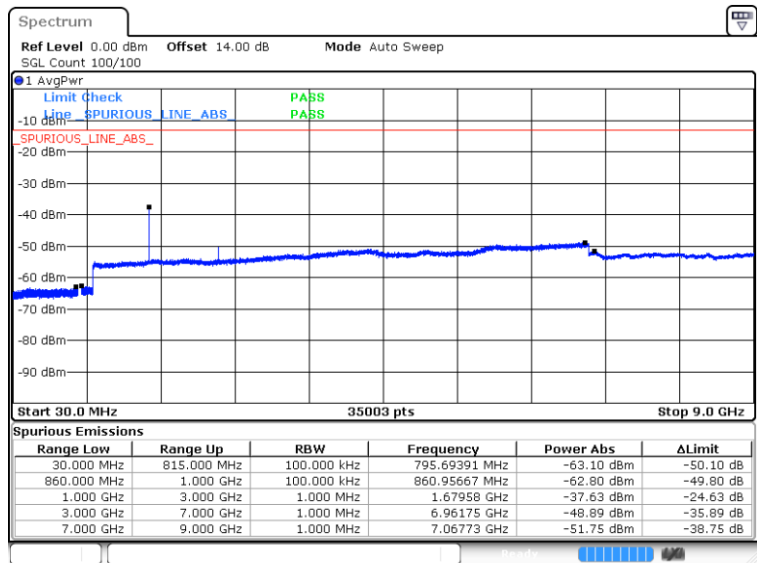
Middle Channel / QPSK



Date: 14.MAY.2024 02:39:39

Date: 14.MAY.2024 02:41:23

Highest Channel / QPSK



Date: 14.MAY.2024 02:50:41



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0039	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0045	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

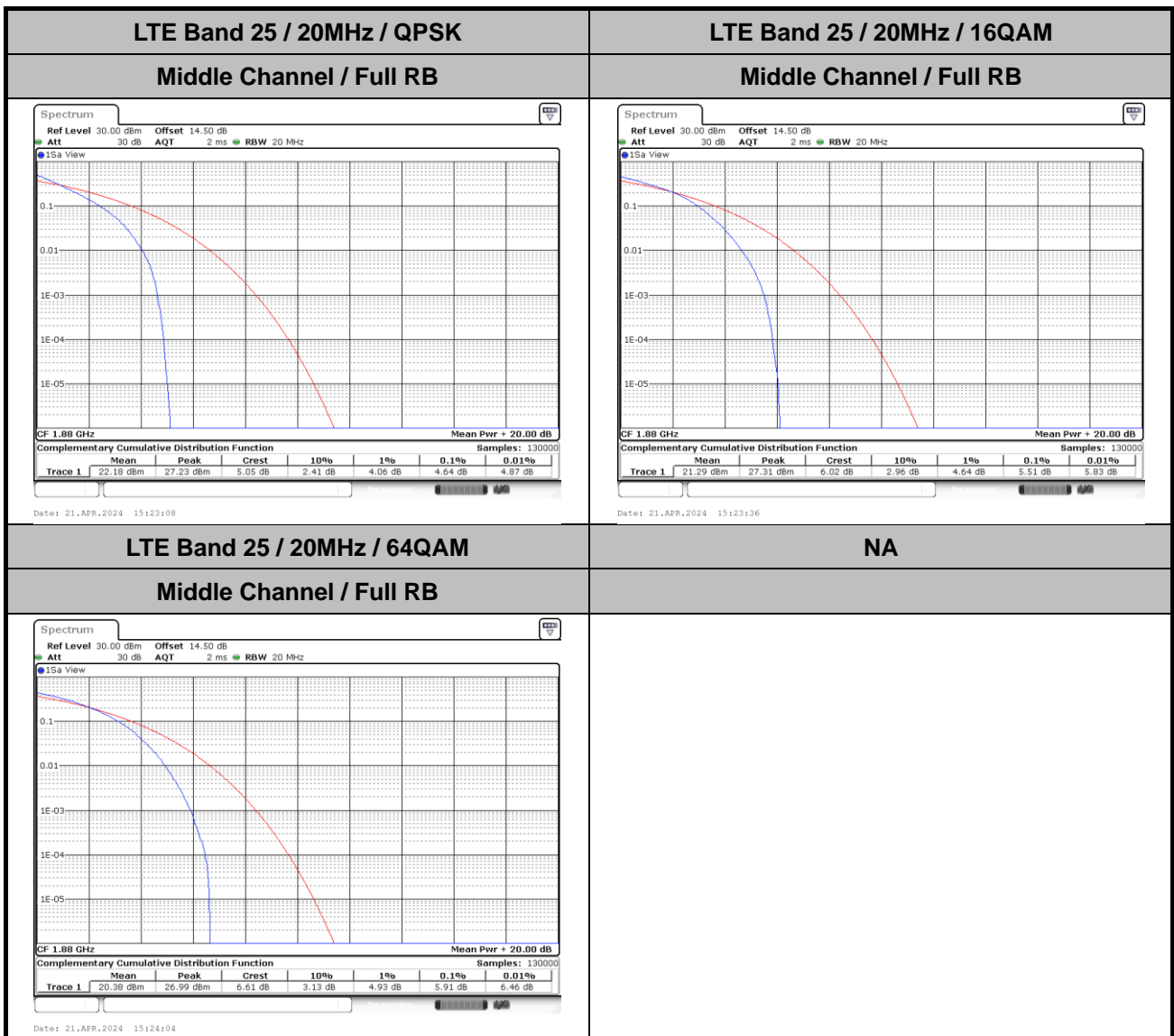
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.64	5.51	5.91	PASS





26dB Bandwidth

Mode	LTE Band 25 : 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	1.27	1.31	3.00	2.94	4.82	4.91	9.87	9.73	14.27	14.51	18.70	18.74