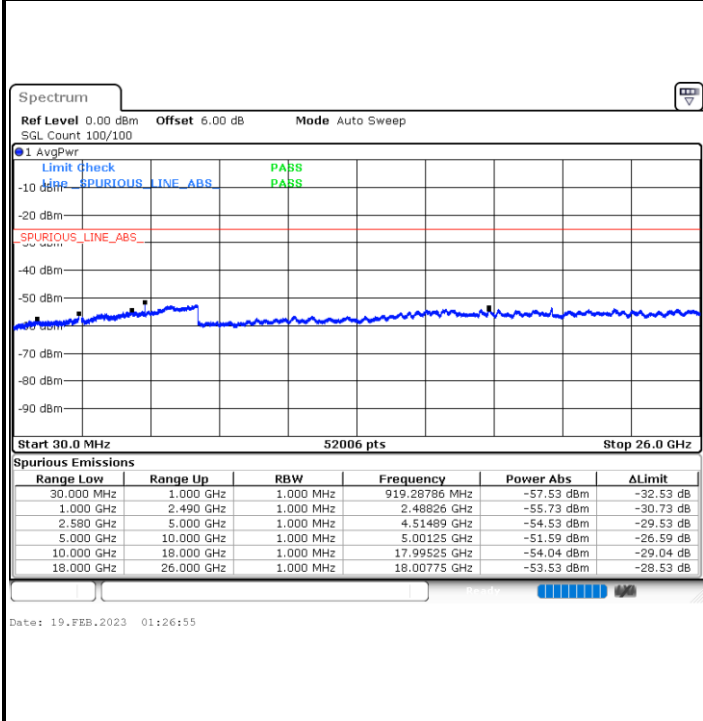


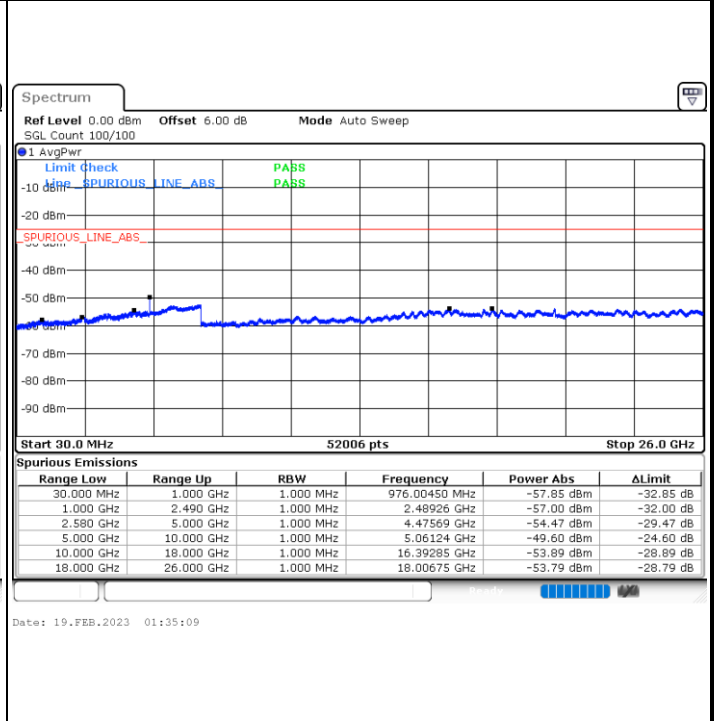


LTE Band 7 / 10MHz

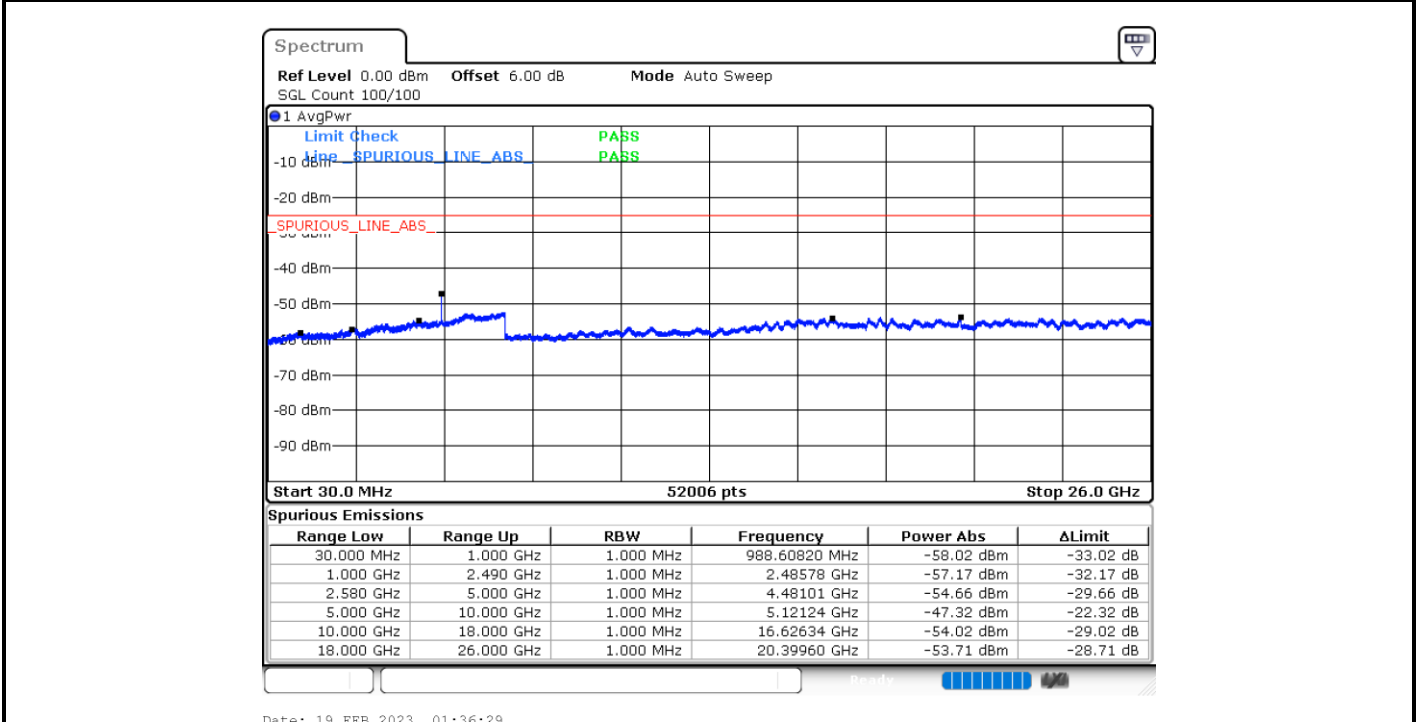
Lowest Channel / QPSK



Middle Channel / QPSK



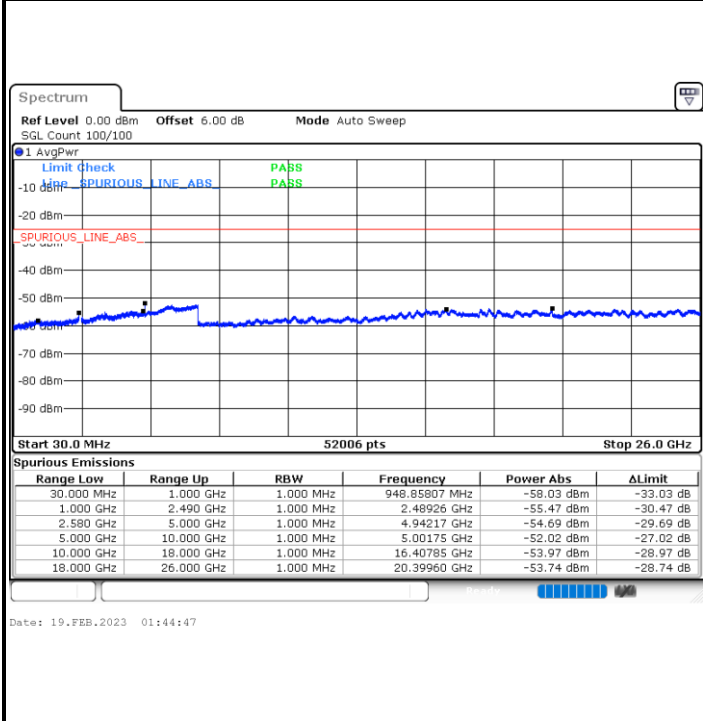
Highest Channel / QPSK



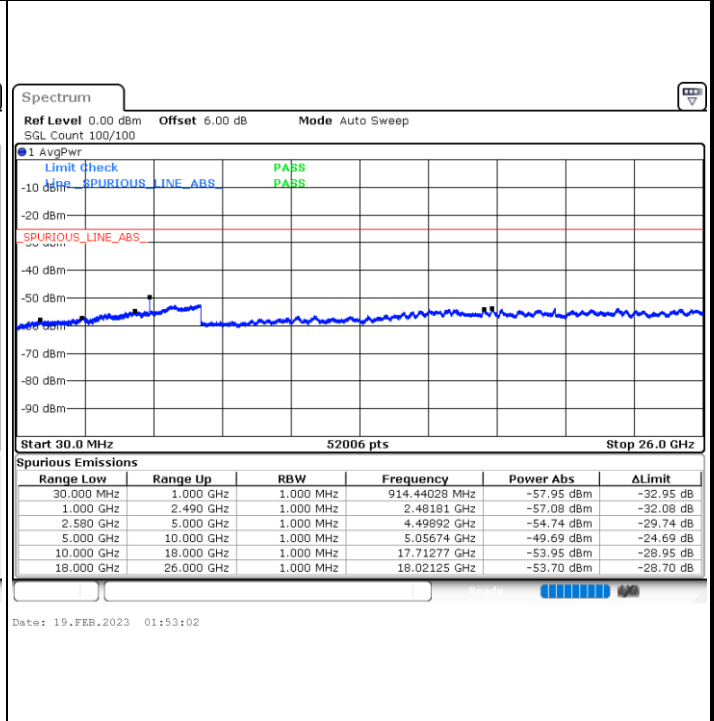


LTE Band 7 / 15MHz

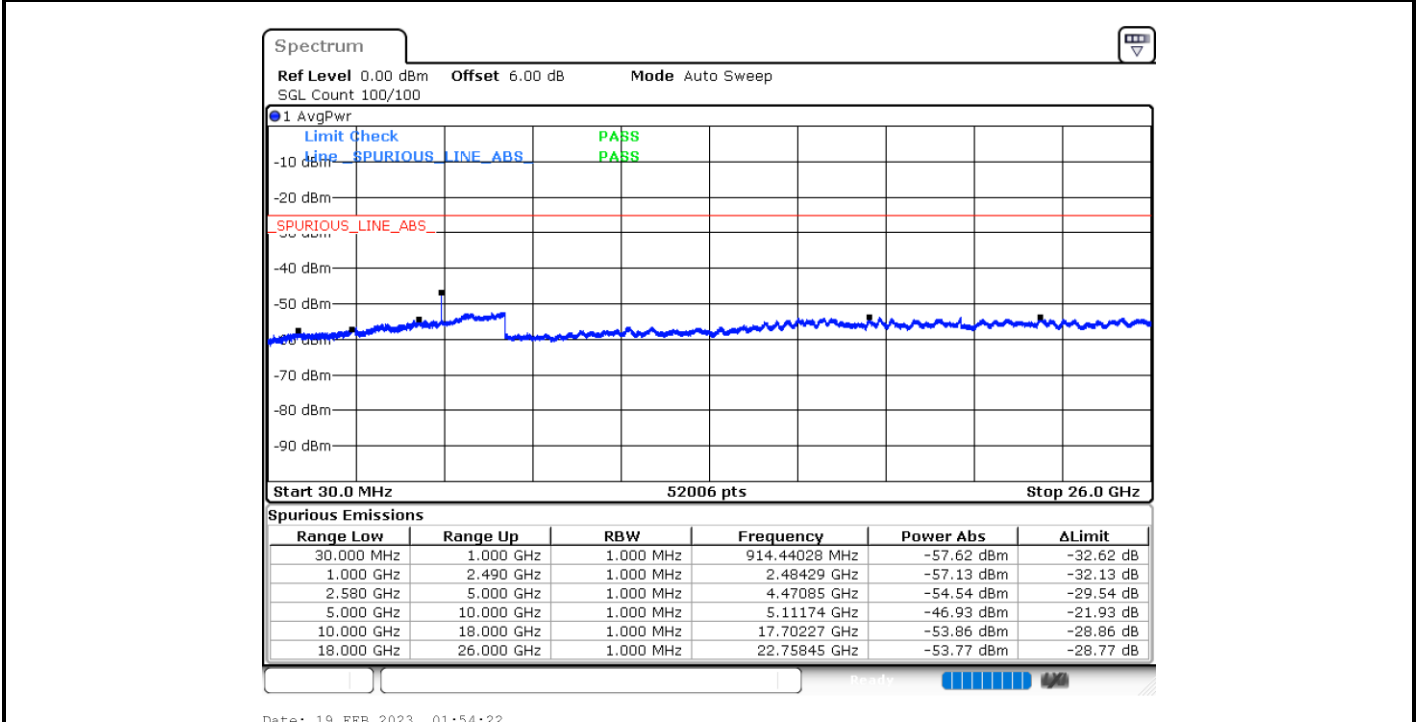
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

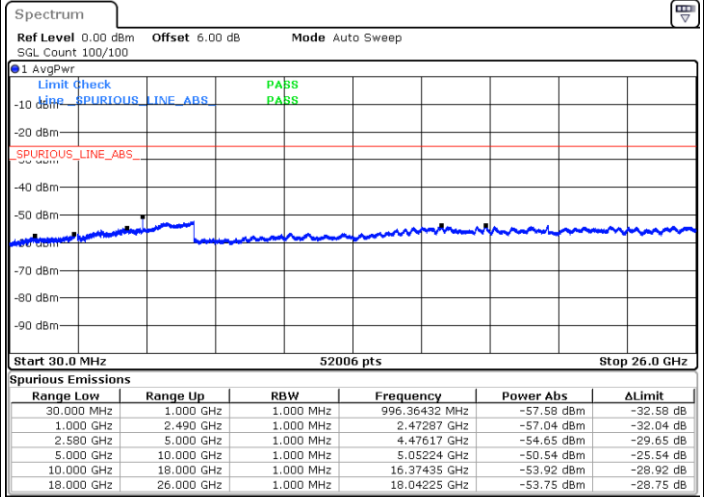
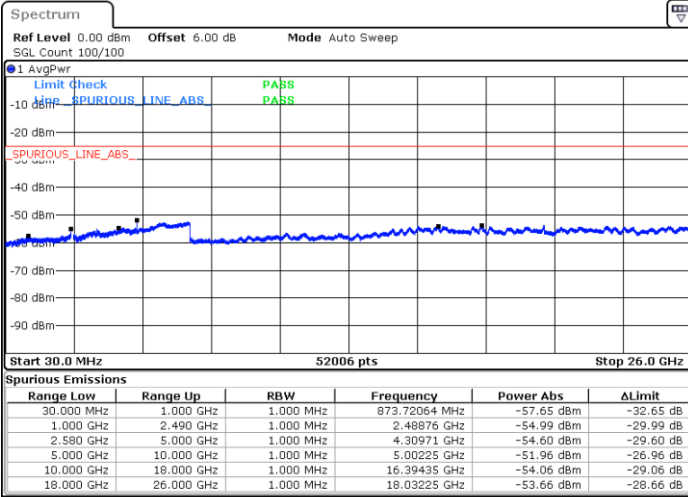




LTE Band 7 / 20MHz

Lowest Channel / QPSK

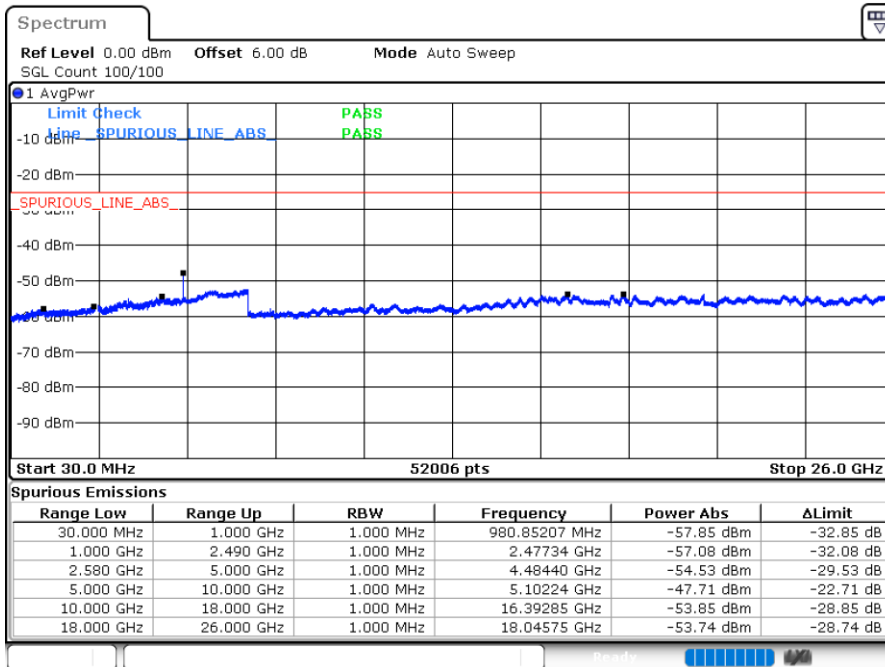
Middle Channel / QPSK



Date: 19.FEB.2023 02:02:41

Date: 19.FEB.2023 02:10:57

Highest Channel / QPSK



Date: 19.FEB.2023 02:12:17



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	0.0006	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0022	

Note:

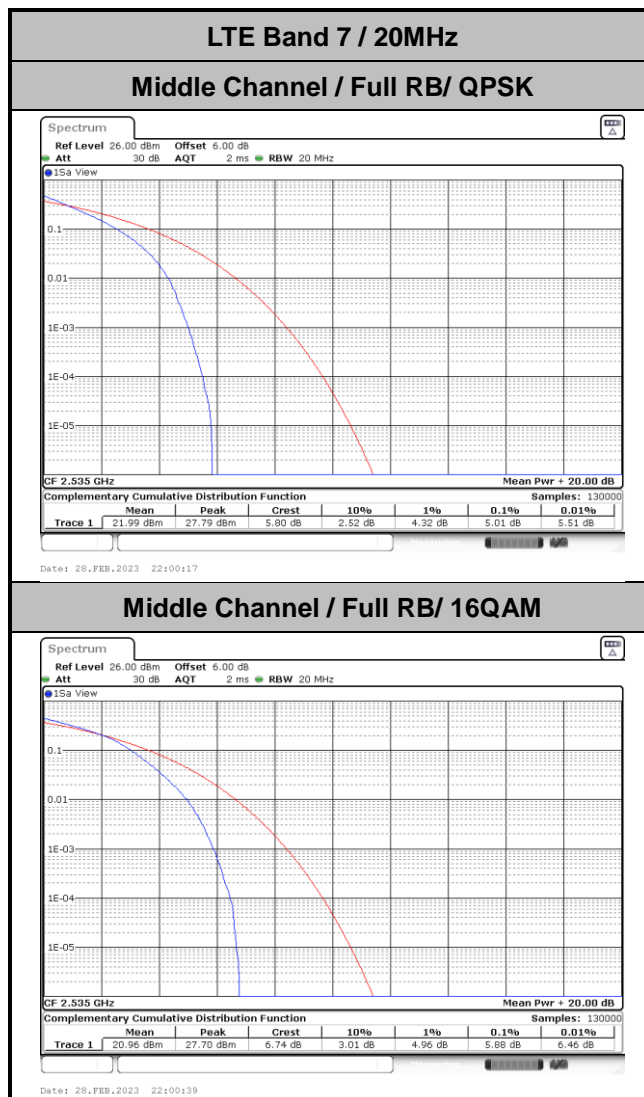
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

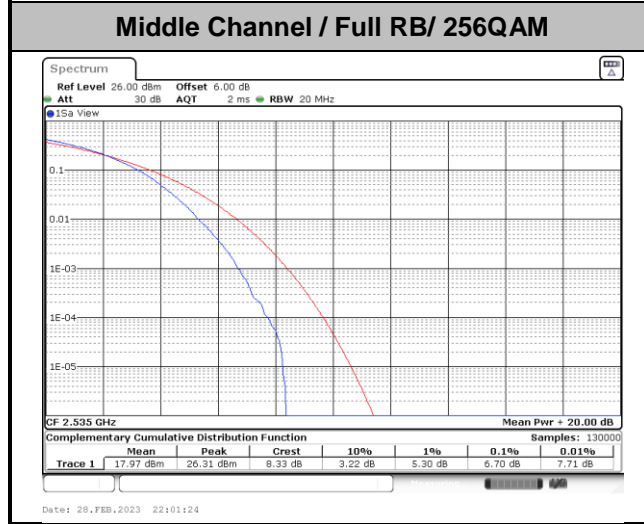
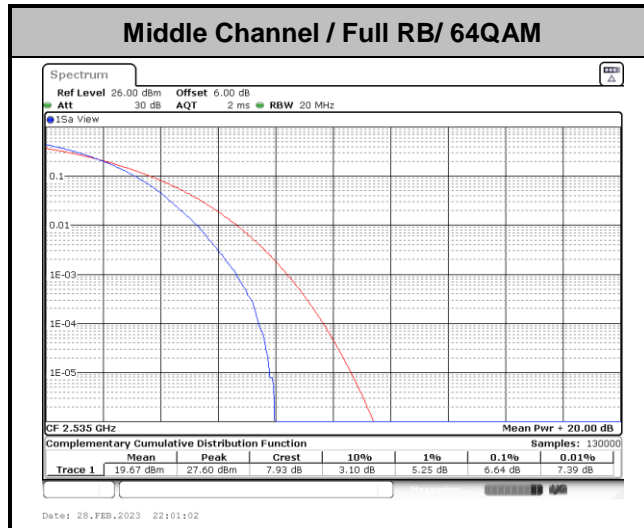


LTE Band 7 for other PA

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.01	5.88	6.64	6.70	PASS

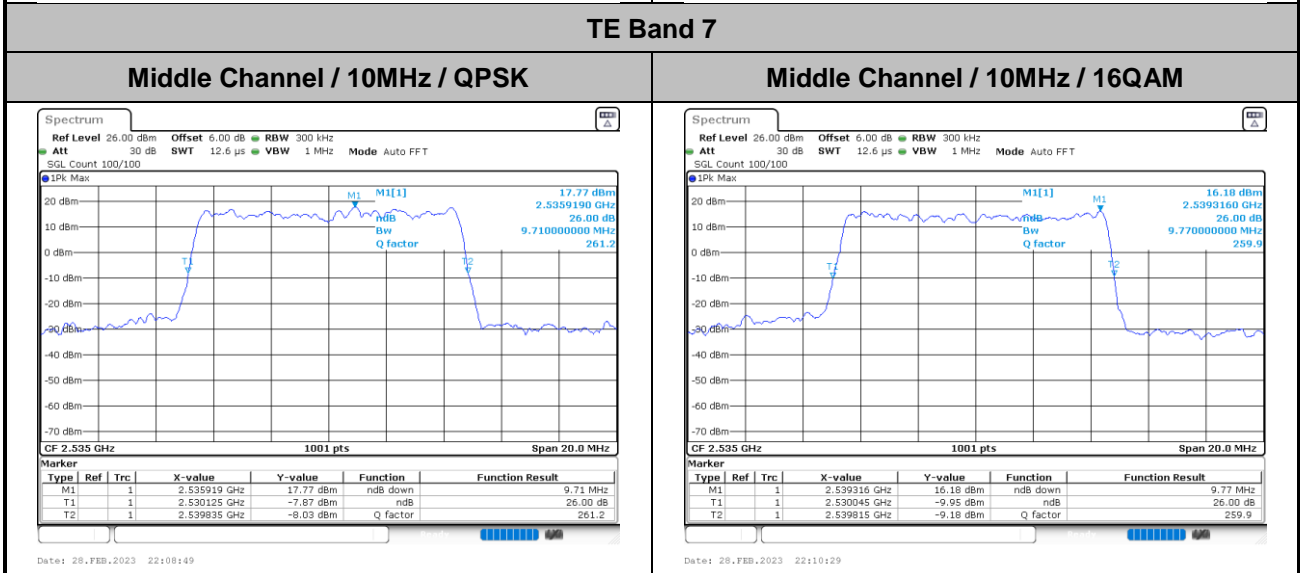
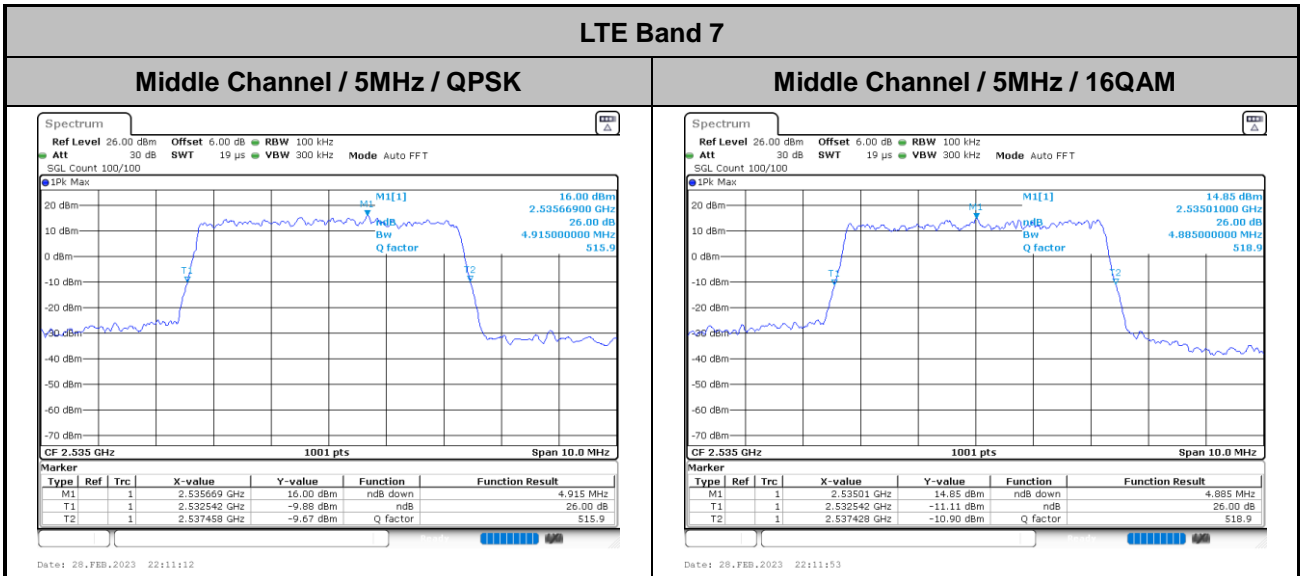






26dB Bandwidth

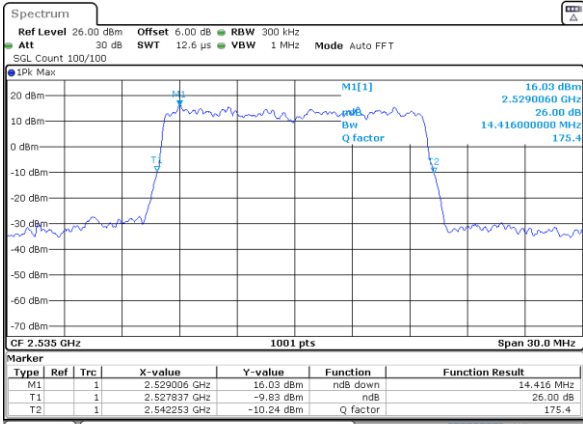
Mode	LTE Band 7 : 26dB BW(MHz)							
	5MHz		10MHz		15MHz		20MHz	
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.92	4.89	9.71	9.77	14.42	14.39	19.18	18.98





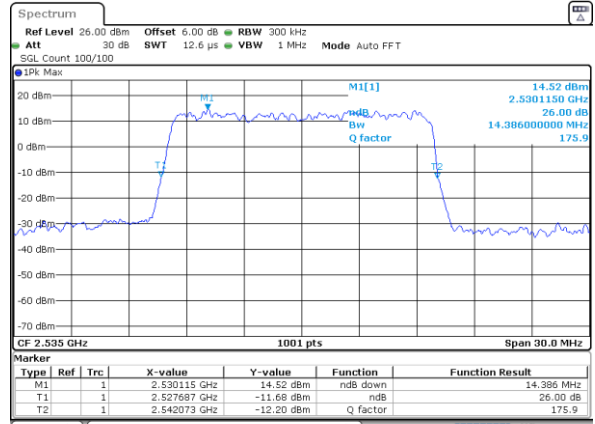
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 28.FEB.2023 22:07:25

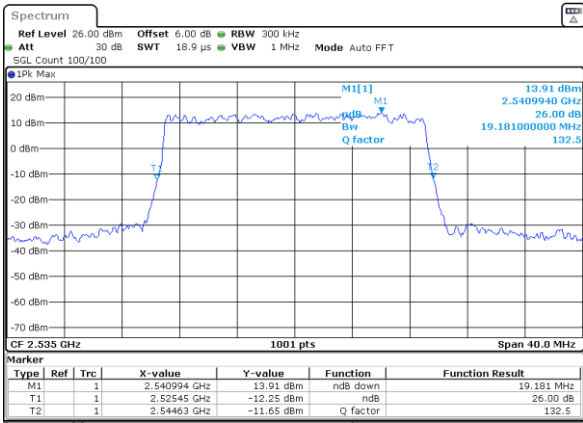
Middle Channel / 15MHz / 16QAM



Date: 28.FEB.2023 22:08:05

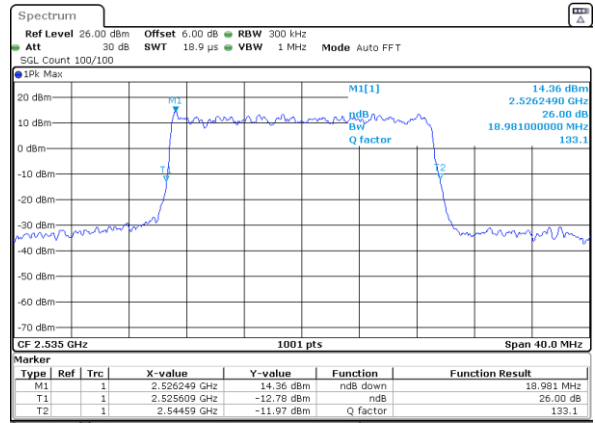
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 28.FEB.2023 21:58:52

Middle Channel / 20MHz / 16QAM

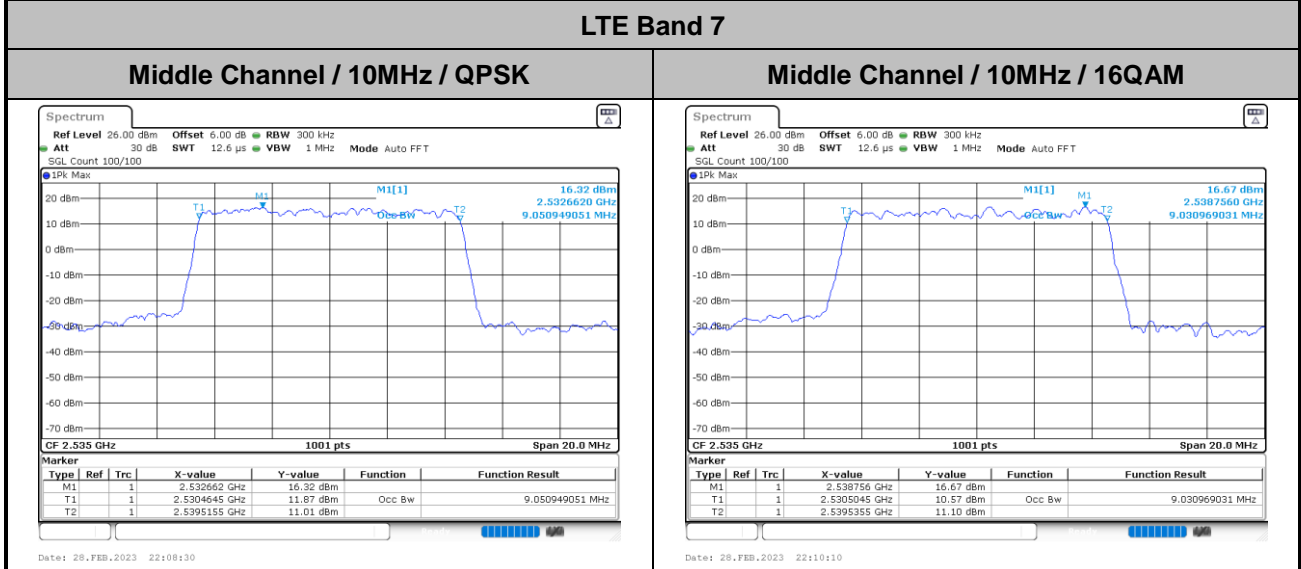
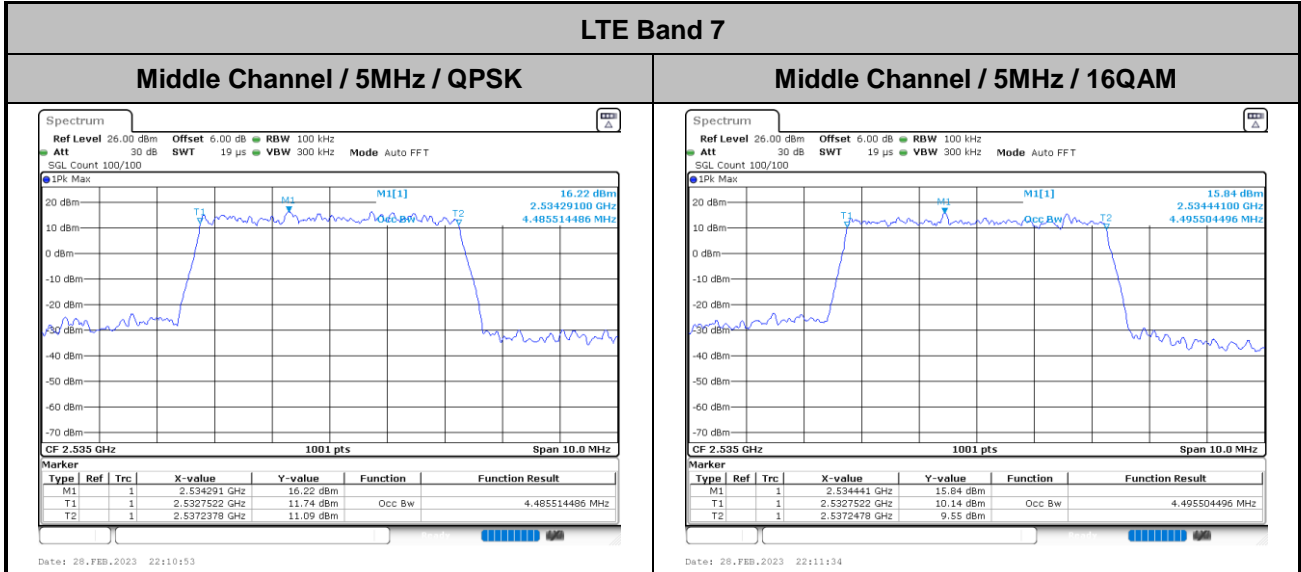


Date: 28.FEB.2023 21:59:55



Occupied Bandwidth

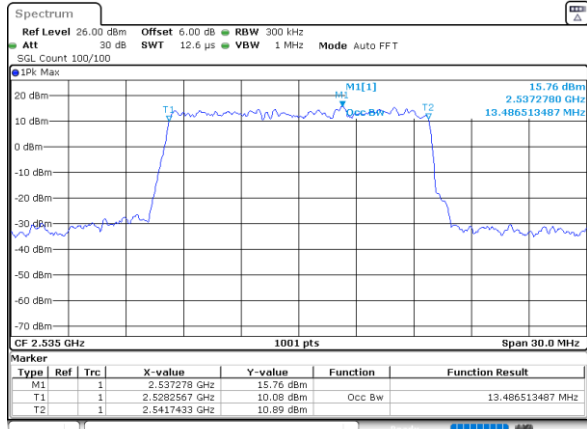
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.50	9.05	9.03	13.49	13.49	17.82	17.90





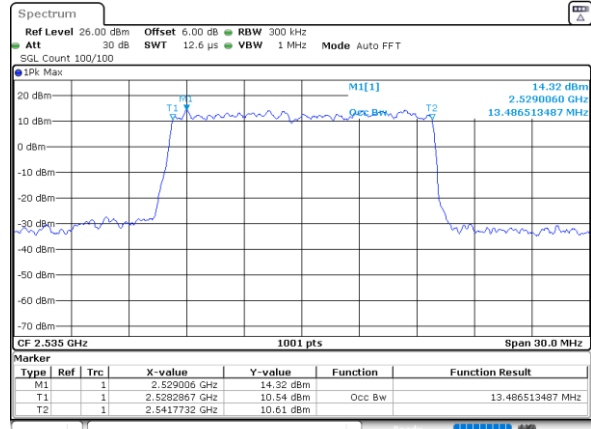
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 28.FEB.2023 22:07:06

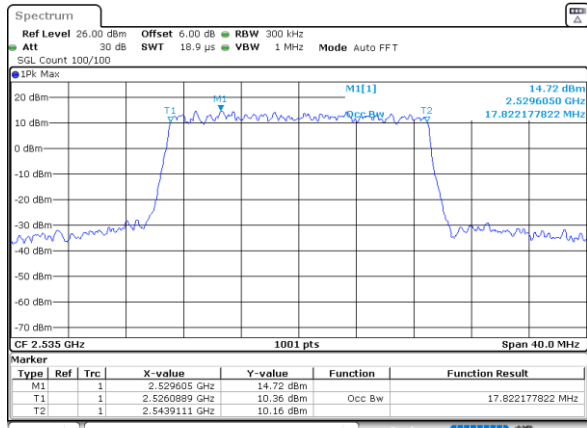
Middle Channel / 15MHz / 16QAM



Date: 28.FEB.2023 22:07:46

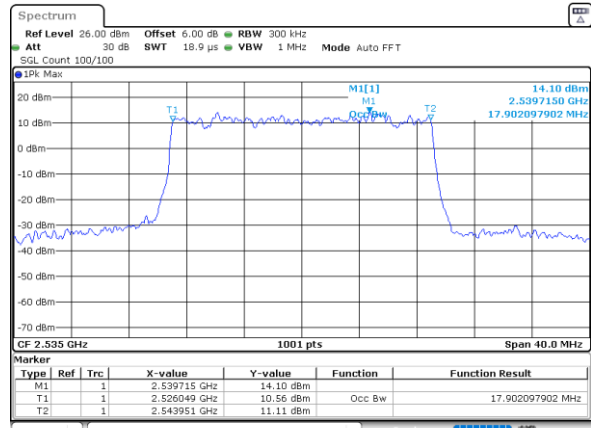
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 28.FEB.2023 21:59:13

Middle Channel / 20MHz / 16QAM



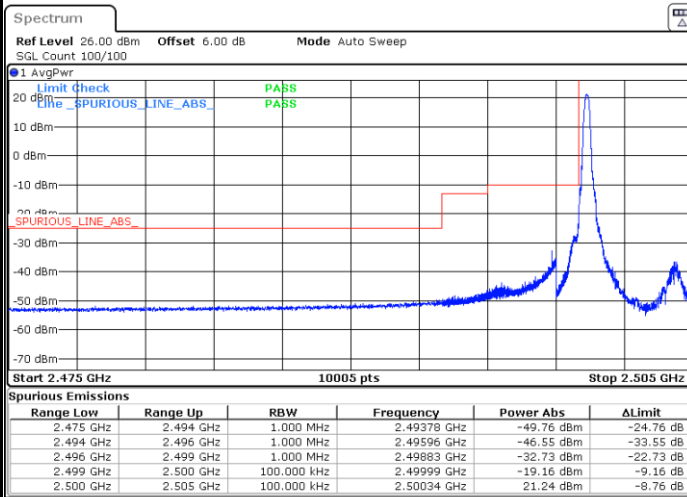
Date: 28.FEB.2023 21:59:34



Conducted Band Edge

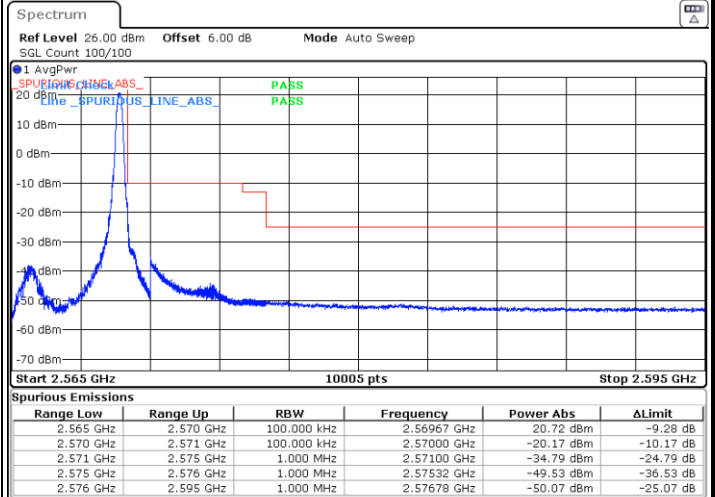
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



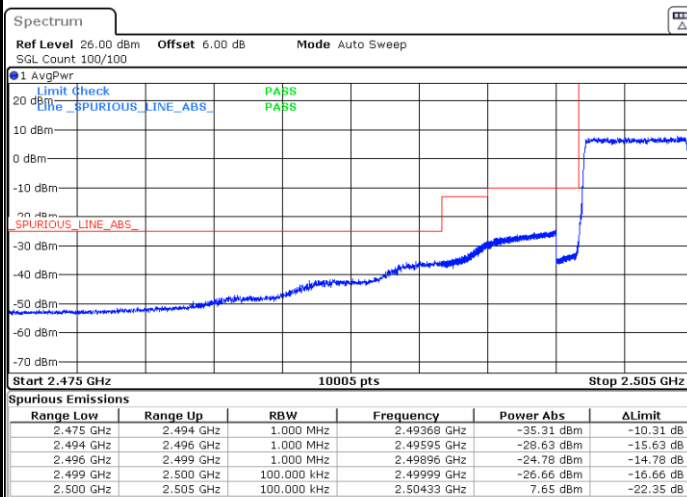
Date: 28.FEB.2023 20:12:11

Highest Band Edge / 1 RB



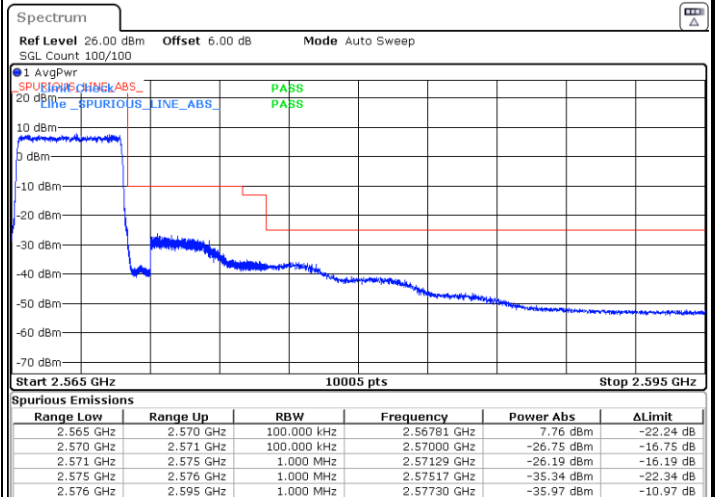
Date: 28.FEB.2023 20:40:18

Lowest Band Edge / Full RB



Date: 28.FEB.2023 20:35:55

Highest Band Edge / Full RB

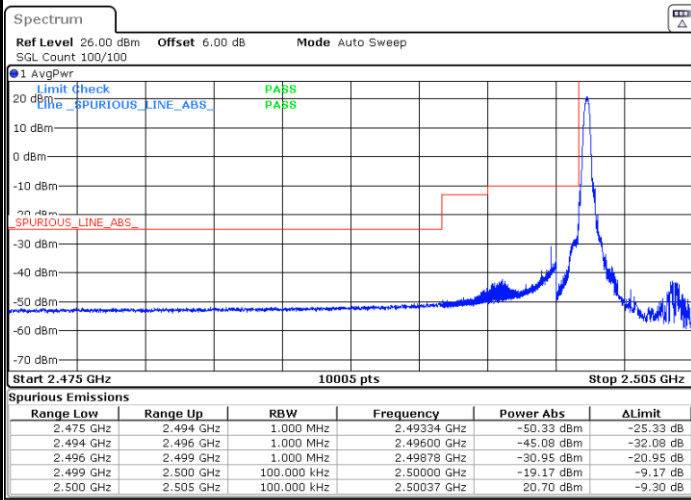


Date: 28.FEB.2023 20:50:24



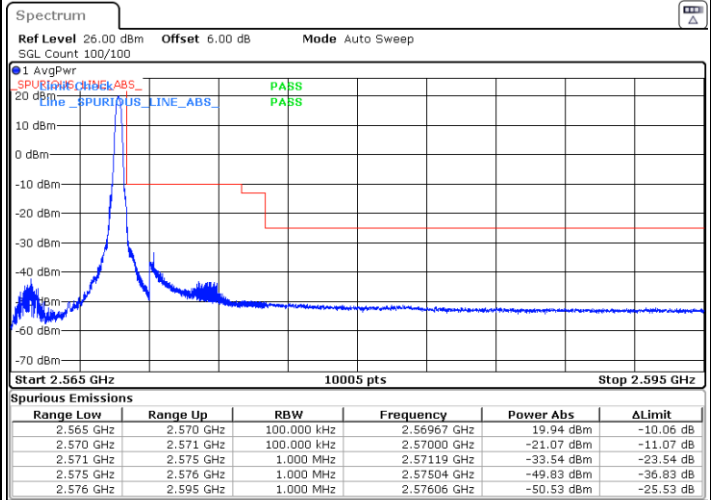
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



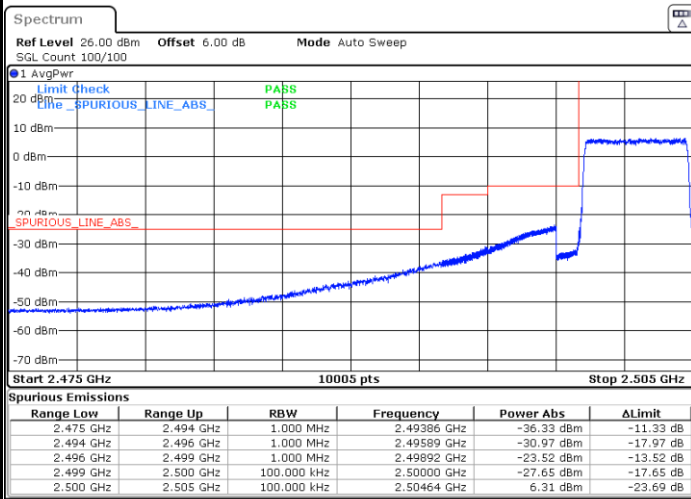
Date: 28.FEB.2023 20:13:56

Highest Band Edge / 1 RB



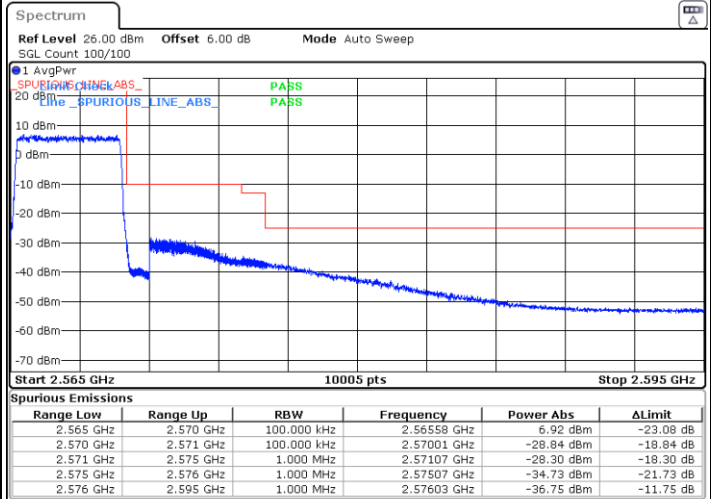
Date: 28.FEB.2023 20:42:04

Lowest Band Edge / Full RB



Date: 28.FEB.2023 20:34:10

Highest Band Edge / Full RB

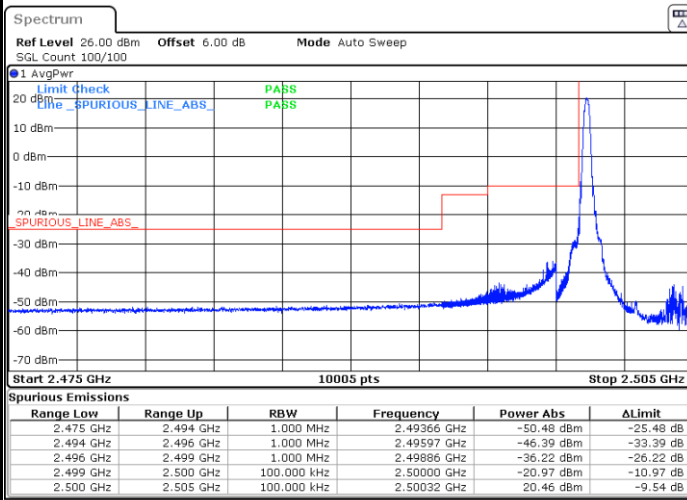


Date: 28.FEB.2023 20:49:24



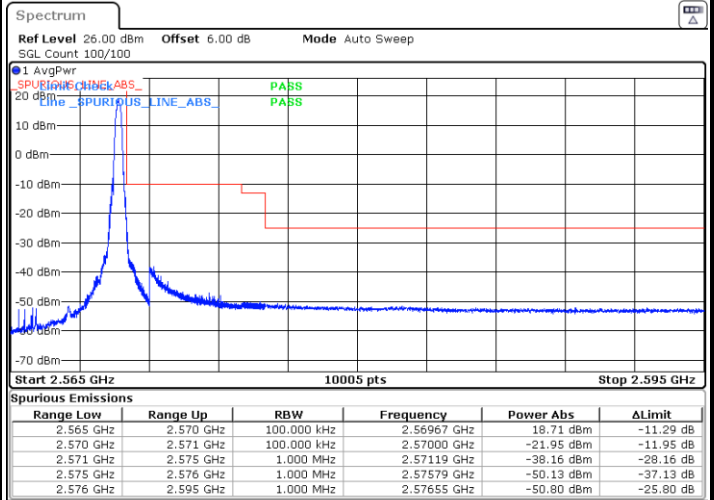
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



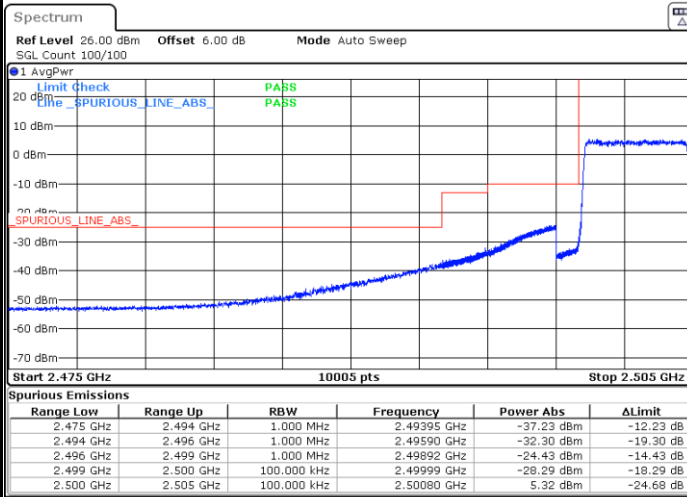
Date: 28.FEB.2023 20:15:41

Highest Band Edge / 1 RB



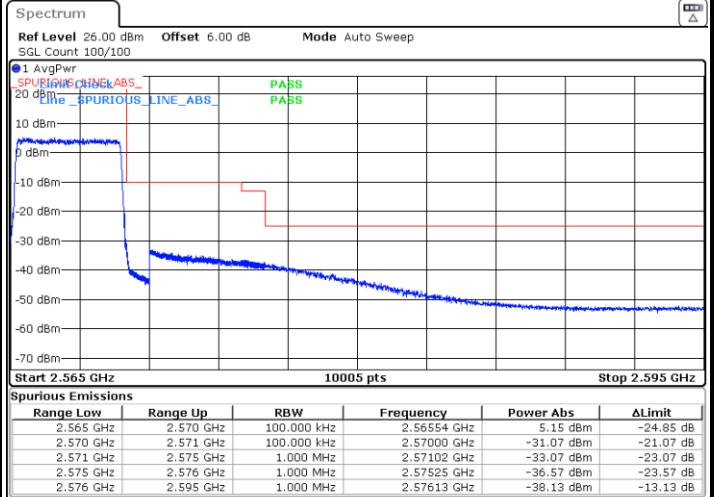
Date: 28.FEB.2023 20:43:49

Lowest Band Edge / Full RB



Date: 28.FEB.2023 20:32:25

Highest Band Edge / Full RB

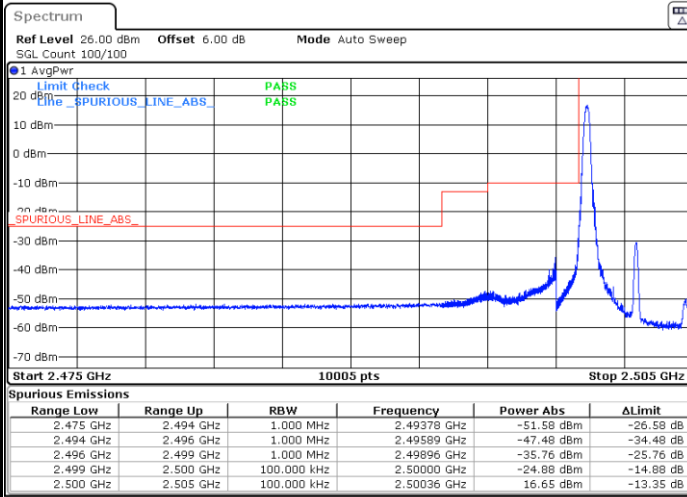


Date: 28.FEB.2023 20:48:23



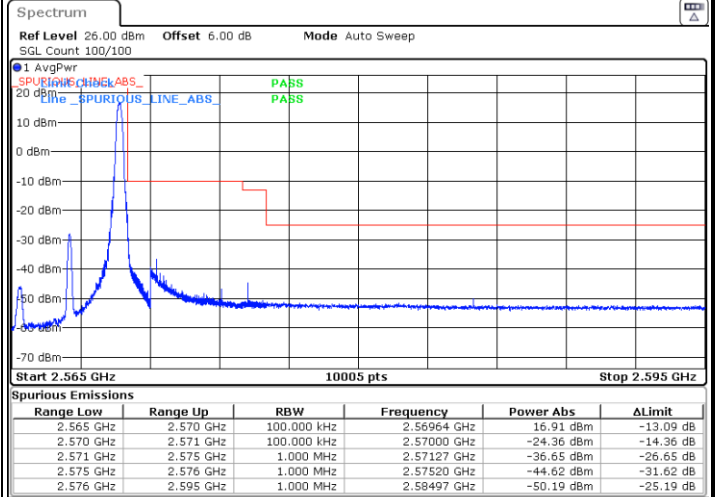
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB



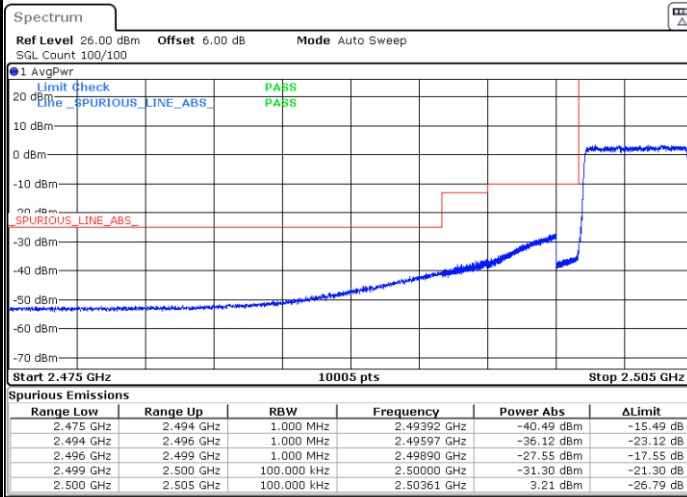
Date: 28.FEB.2023 20:17:27

Highest Band Edge / 1 RB



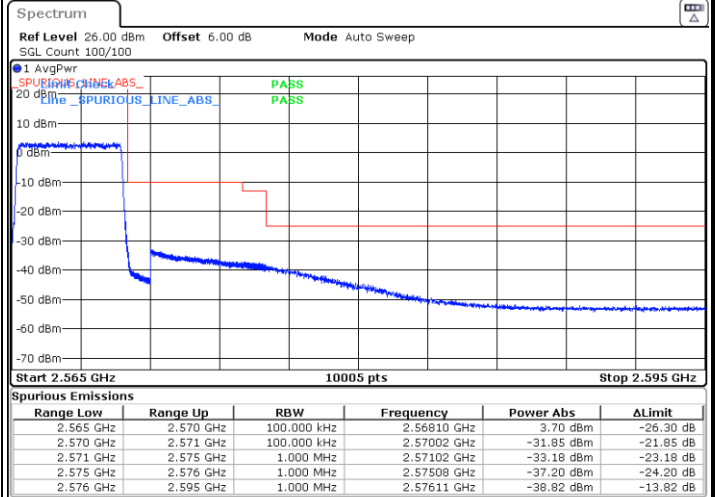
Date: 28.FEB.2023 20:45:35

Lowest Band Edge / Full RB



Date: 28.FEB.2023 20:30:36

Highest Band Edge / Full RB



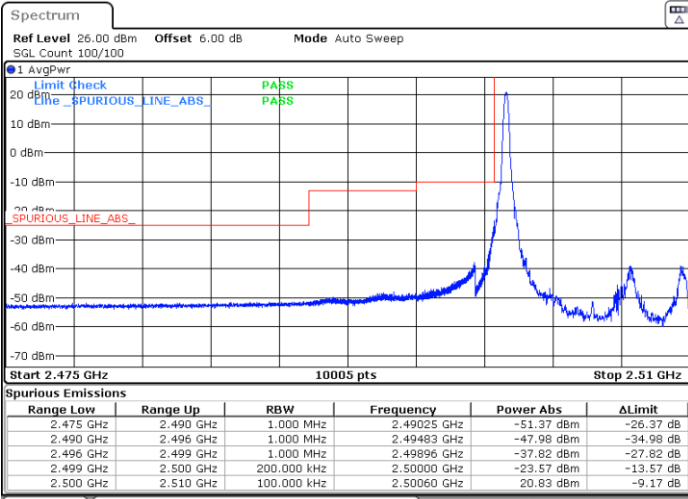
Date: 28.FEB.2023 20:47:23



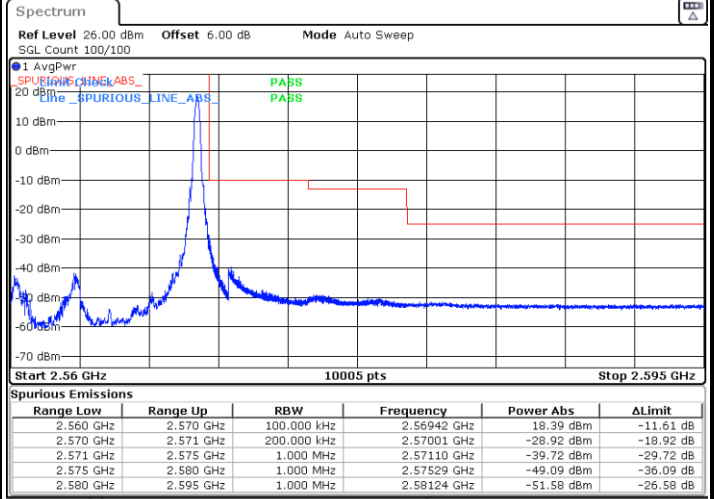
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



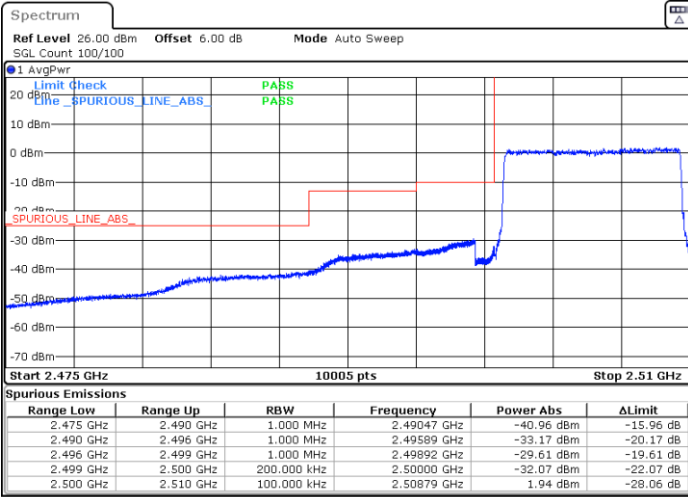
Date: 28.FEB.2023 20:52:44



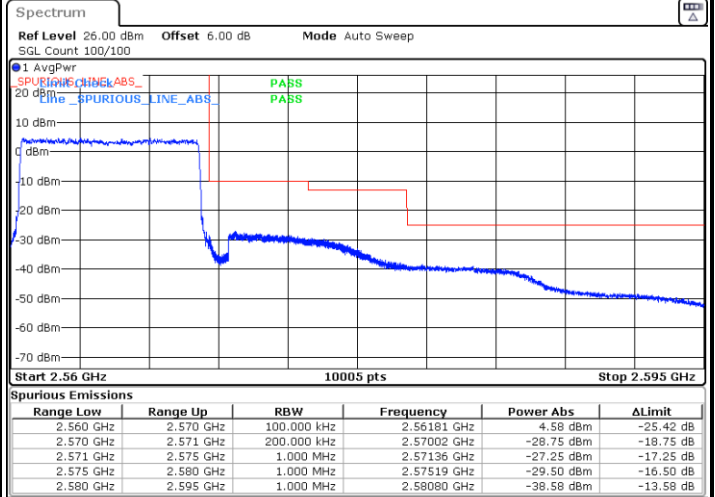
Date: 28.FEB.2023 21:09:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2023 21:06:05

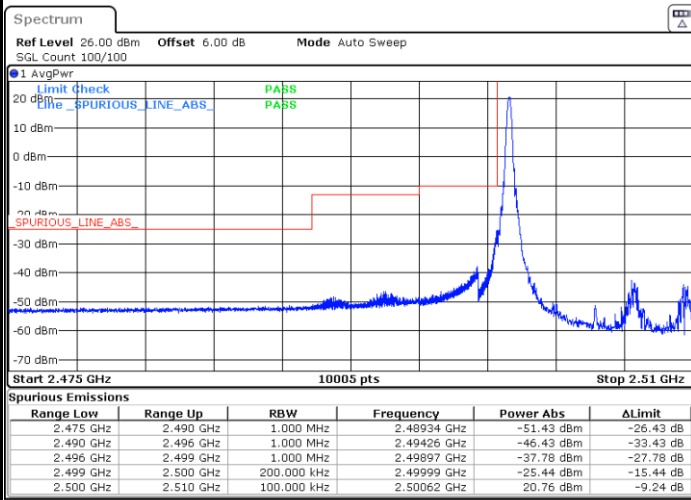


Date: 28.FEB.2023 21:16:50



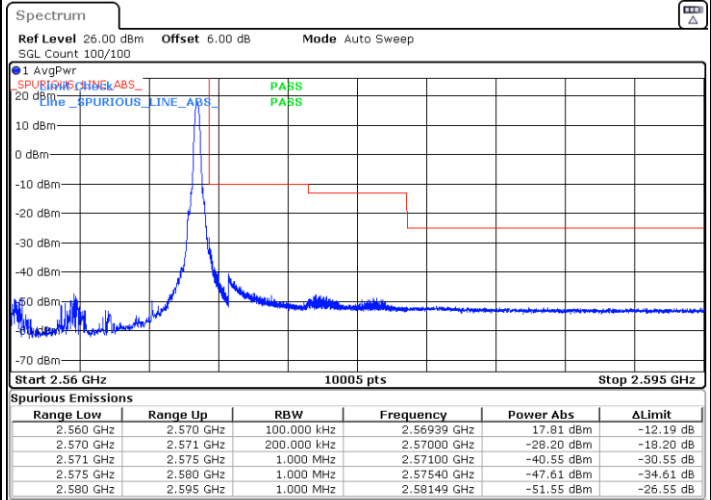
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



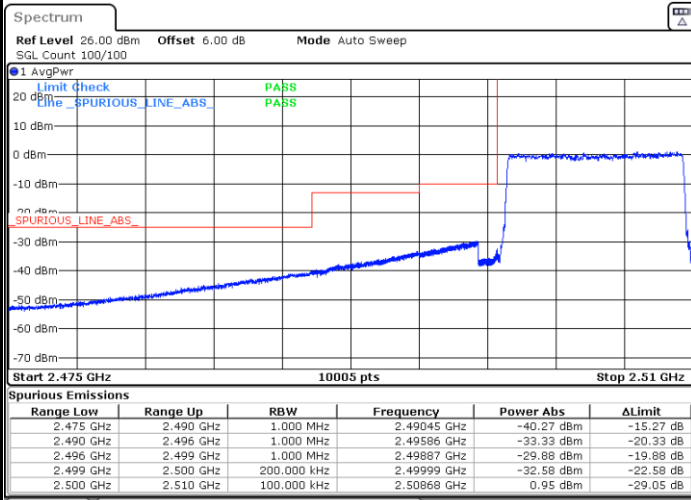
Date: 28.FEB.2023 20:53:44

Highest Band Edge / 1 RB



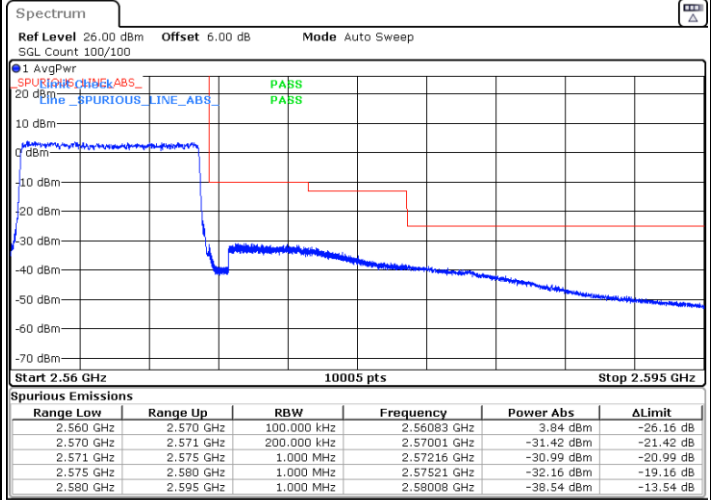
Date: 28.FEB.2023 21:10:45

Lowest Band Edge / Full RB



Date: 28.FEB.2023 21:05:05

Highest Band Edge / Full RB



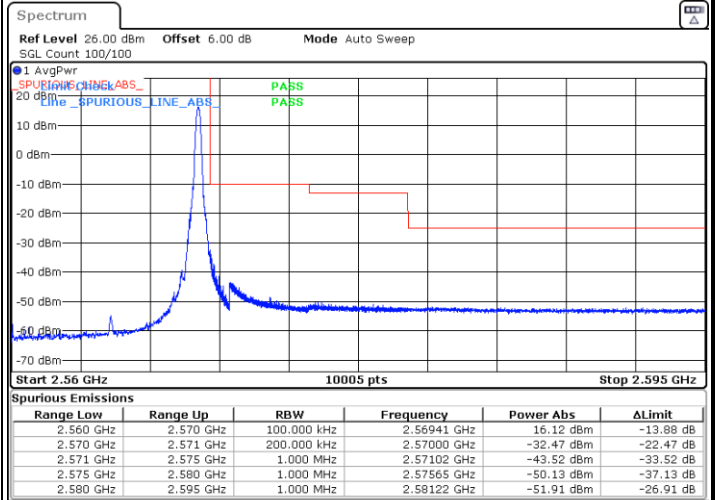
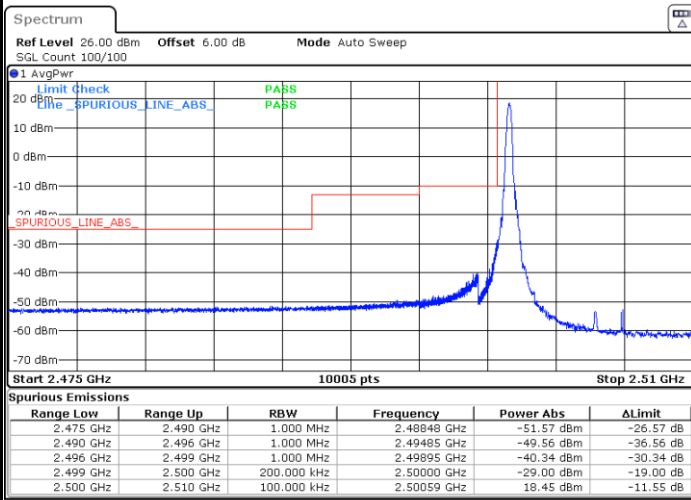
Date: 28.FEB.2023 21:15:49



LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

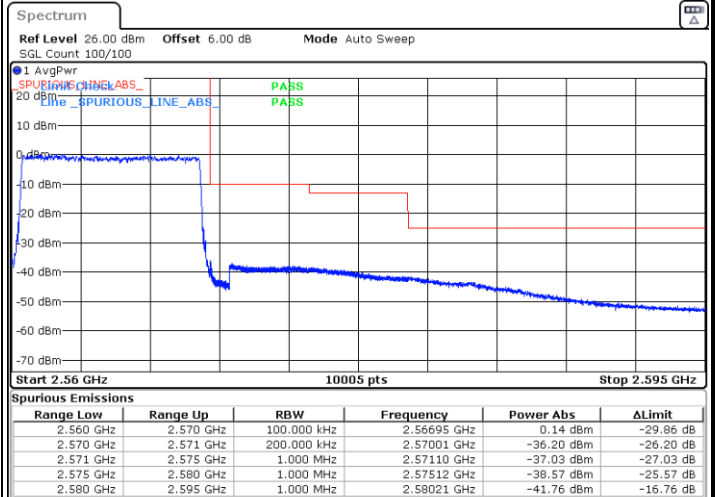
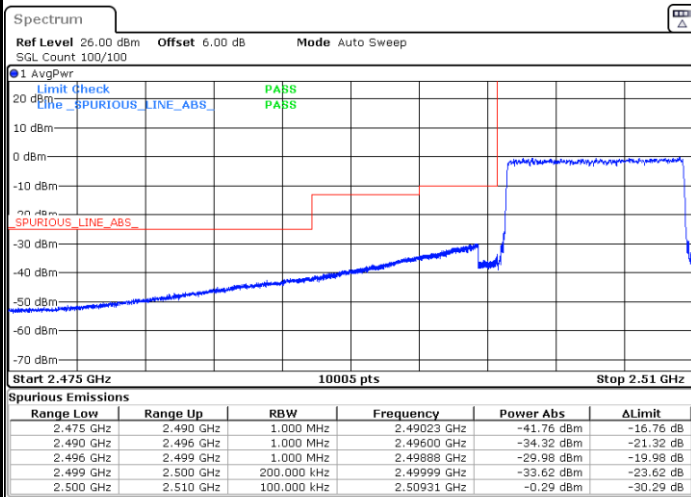


Date: 28.FEB.2023 20:54:44

Date: 28.FEB.2023 21:11:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2023 21:04:05

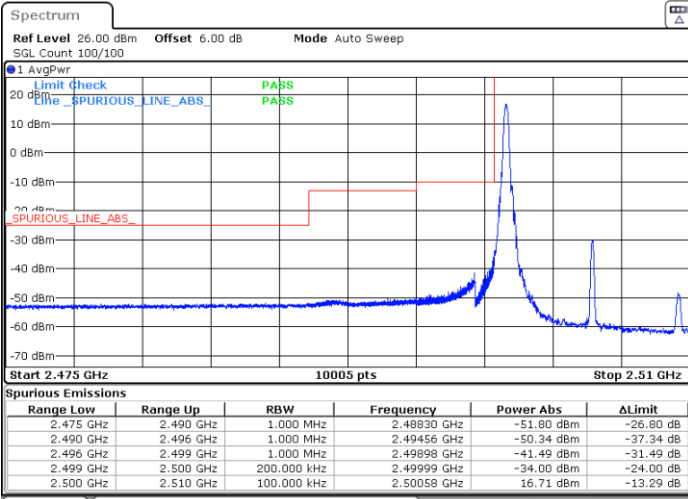
Date: 28.FEB.2023 21:14:49



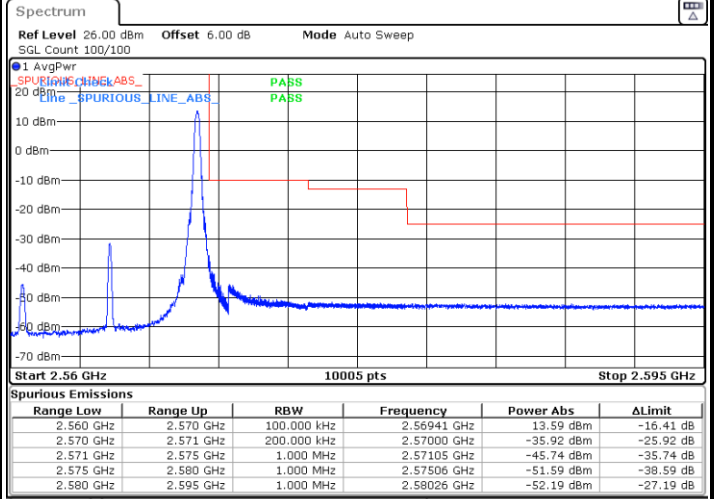
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



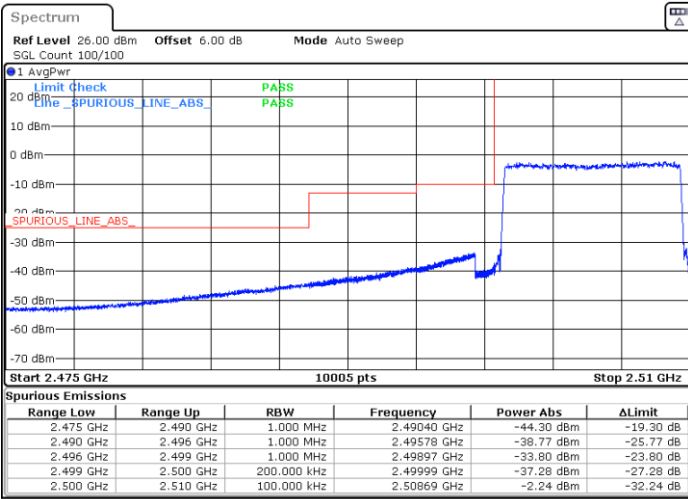
Date: 28.FEB.2023 20:55:44



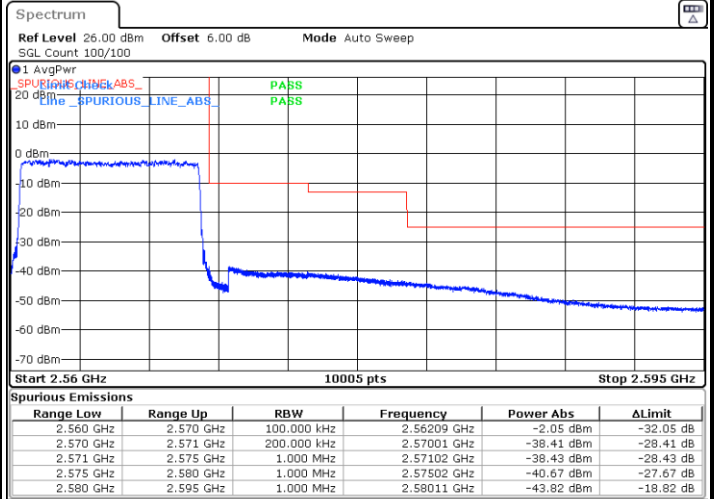
Date: 28.FEB.2023 21:12:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2023 21:03:02



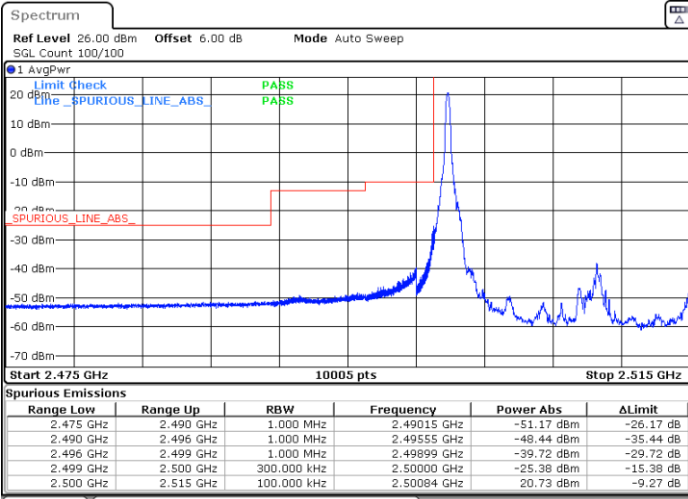
Date: 28.FEB.2023 21:13:49



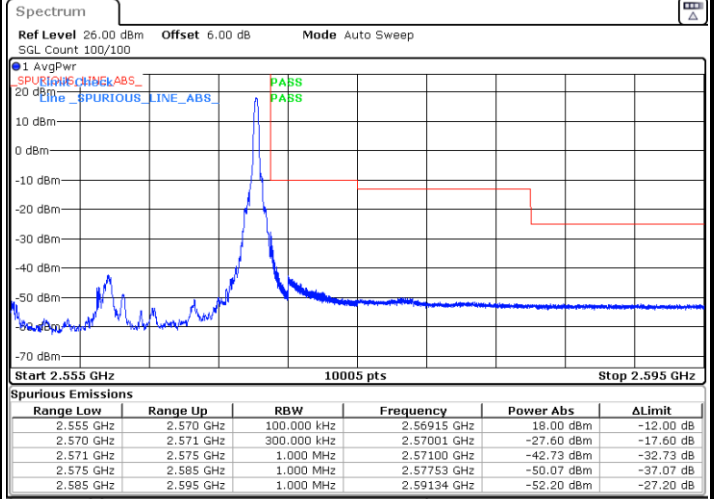
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



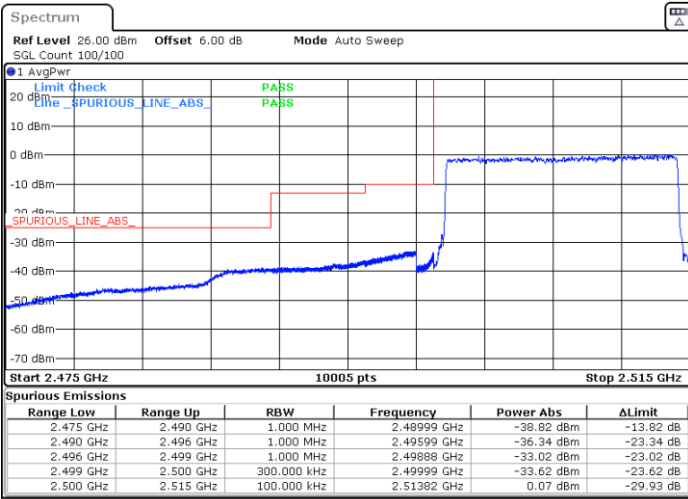
Date: 28.FEB.2023 21:19:09



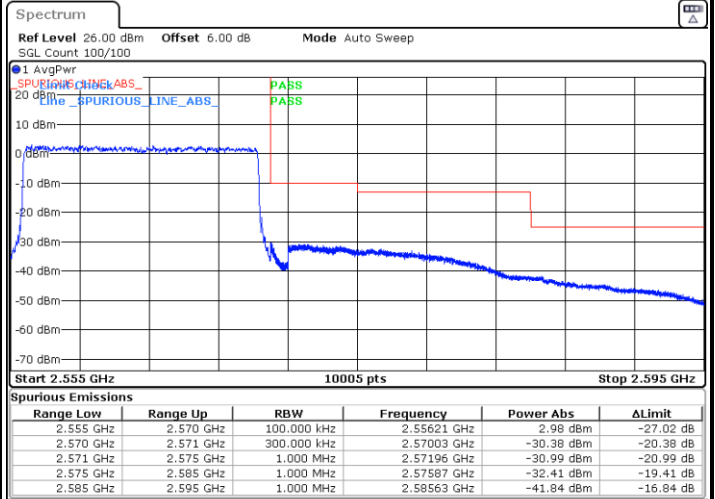
Date: 28.FEB.2023 21:32:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2023 21:29:13

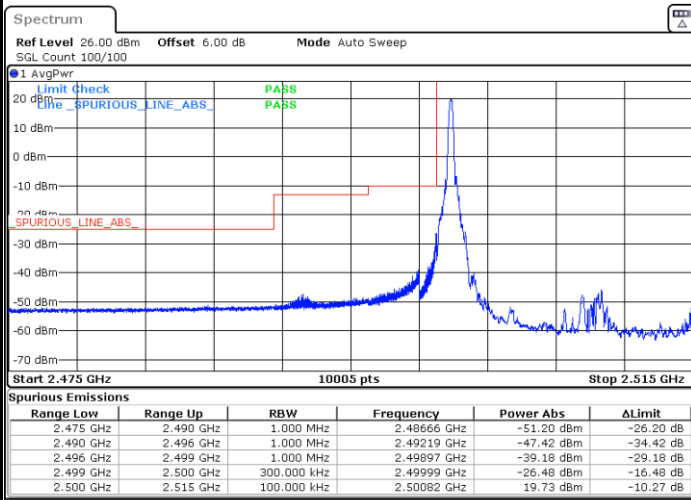


Date: 28.FEB.2023 21:39:56



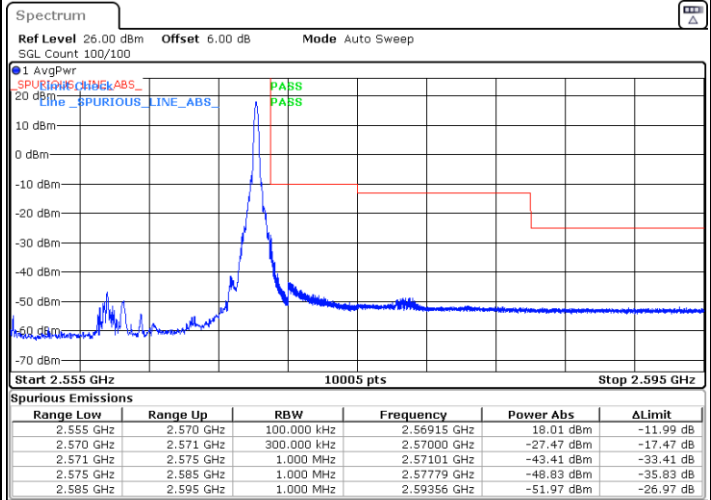
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



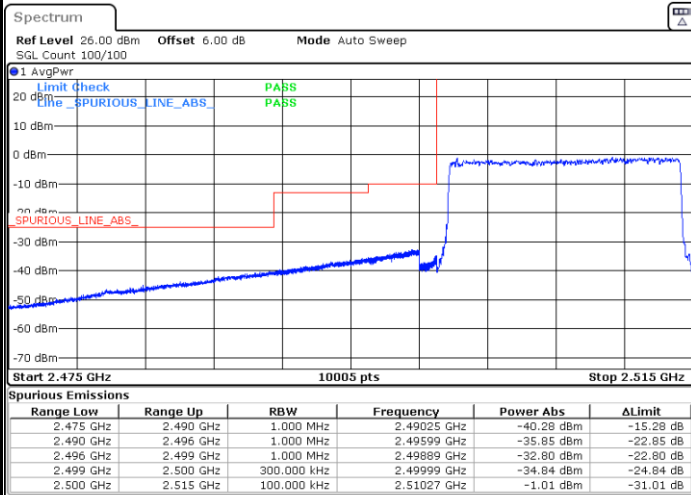
Date: 28.FEB.2023 21:20:09

Highest Band Edge / 1 RB



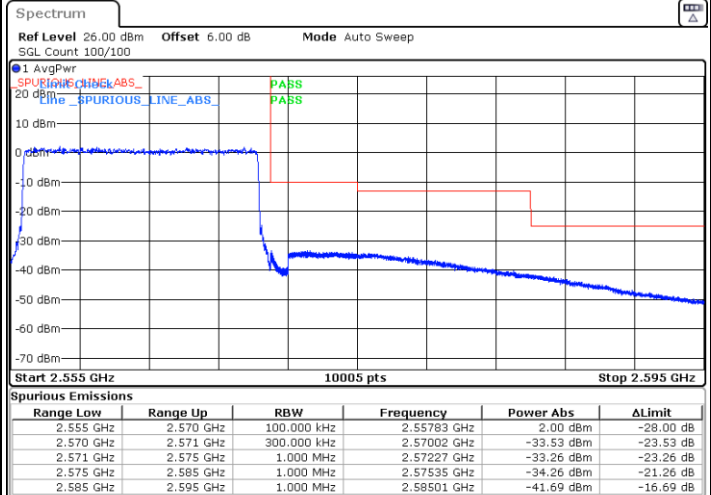
Date: 28.FEB.2023 21:33:51

Lowest Band Edge / Full RB



Date: 28.FEB.2023 21:28:13

Highest Band Edge / Full RB

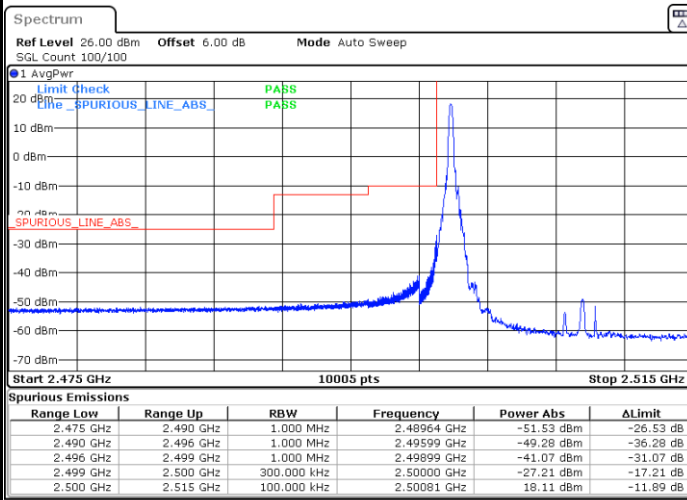


Date: 28.FEB.2023 21:38:56



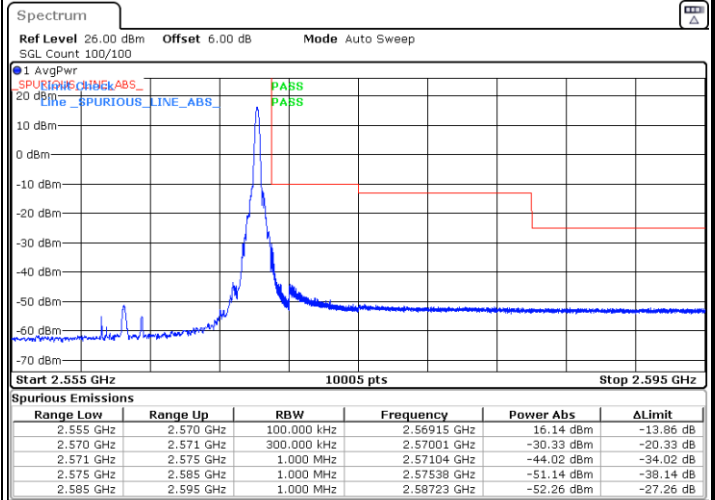
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



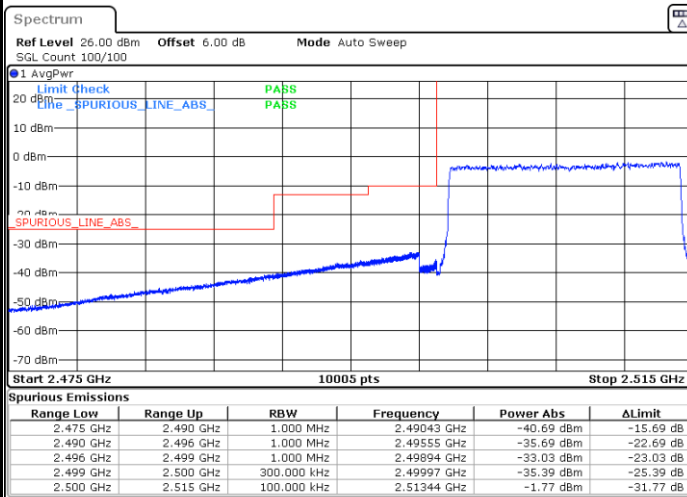
Date: 28.FEB.2023 21:21:09

Highest Band Edge / 1 RB



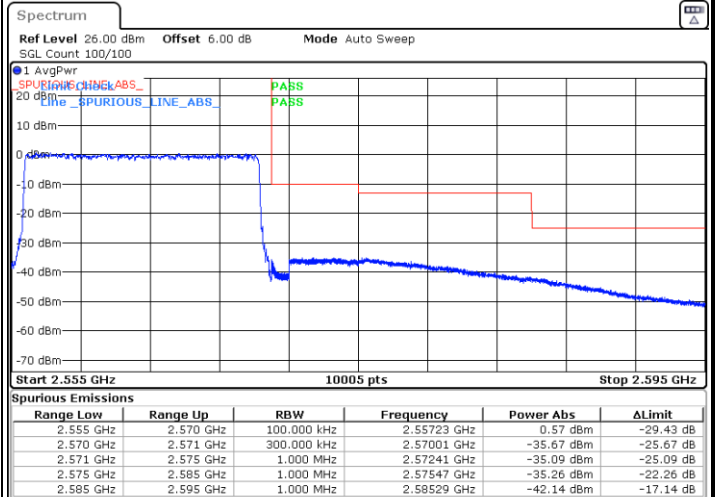
Date: 28.FEB.2023 21:34:52

Lowest Band Edge / Full RB



Date: 28.FEB.2023 21:27:12

Highest Band Edge / Full RB

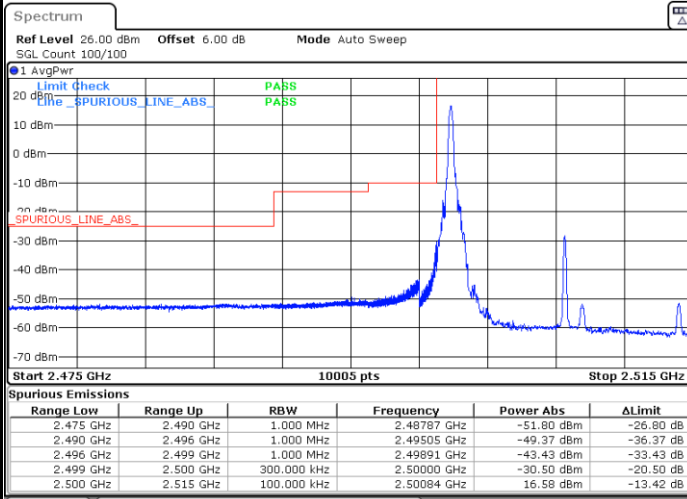


Date: 28.FEB.2023 21:37:56



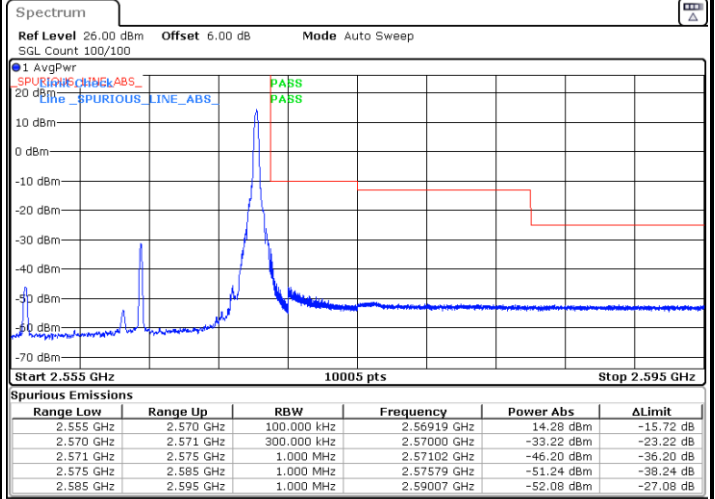
LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



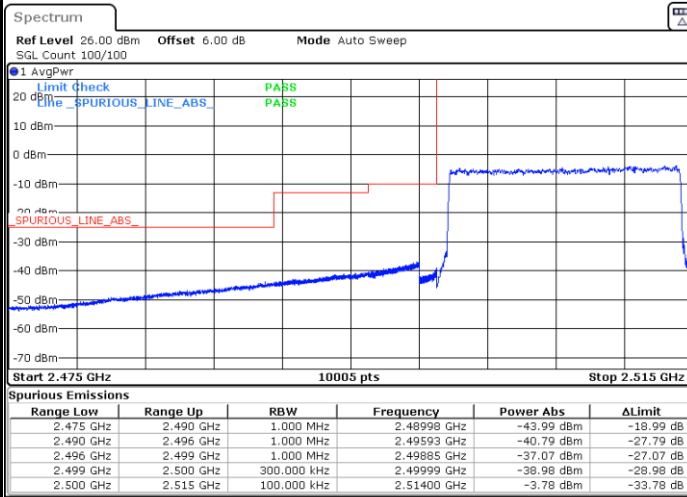
Date: 28.FEB.2023 21:22:10

Highest Band Edge / 1 RB



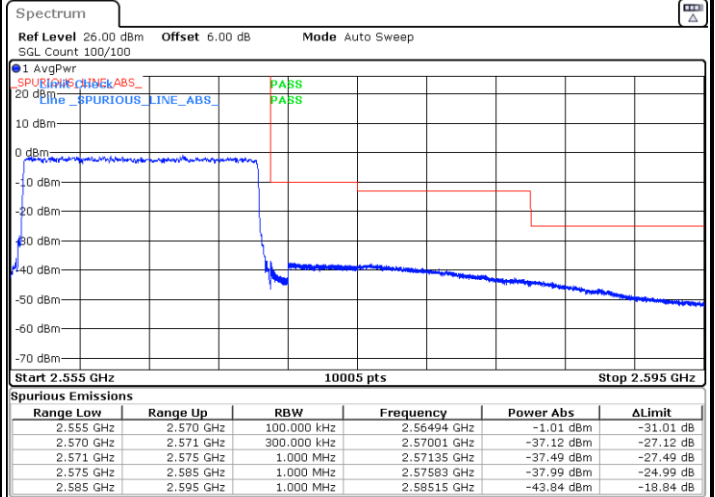
Date: 28.FEB.2023 21:35:52

Lowest Band Edge / Full RB



Date: 28.FEB.2023 21:26:09

Highest Band Edge / Full RB



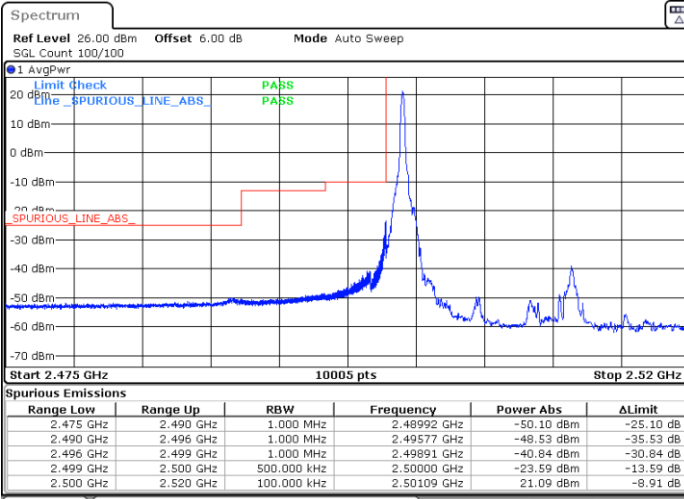
Date: 28.FEB.2023 21:36:55



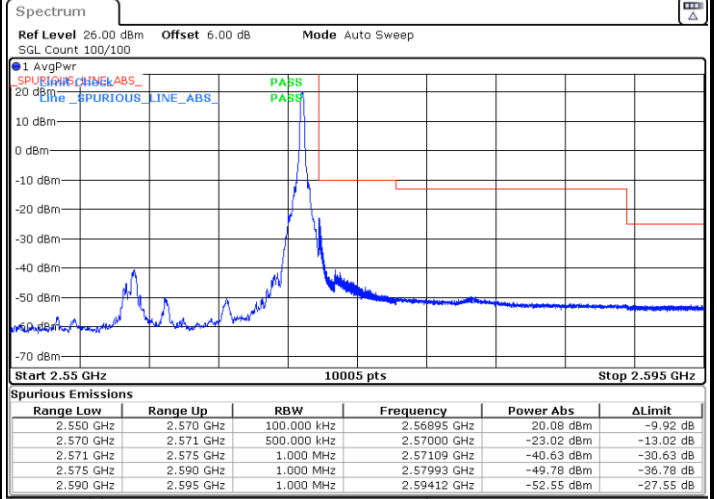
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



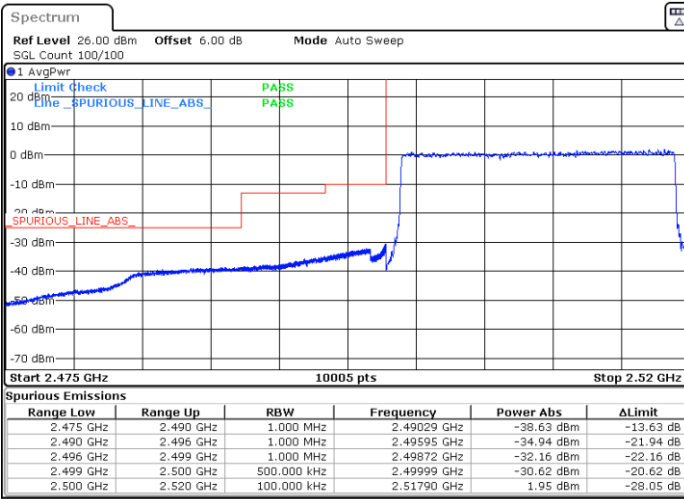
Date: 28.FEB.2023 21:42:16



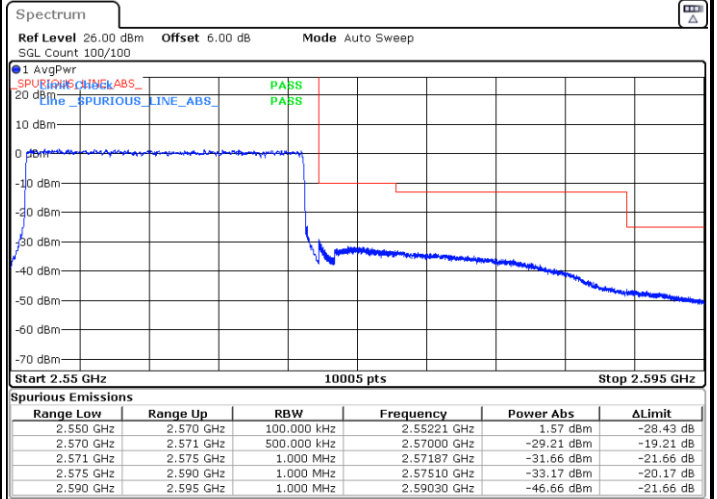
Date: 28.FEB.2023 21:53:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2023 21:49:47

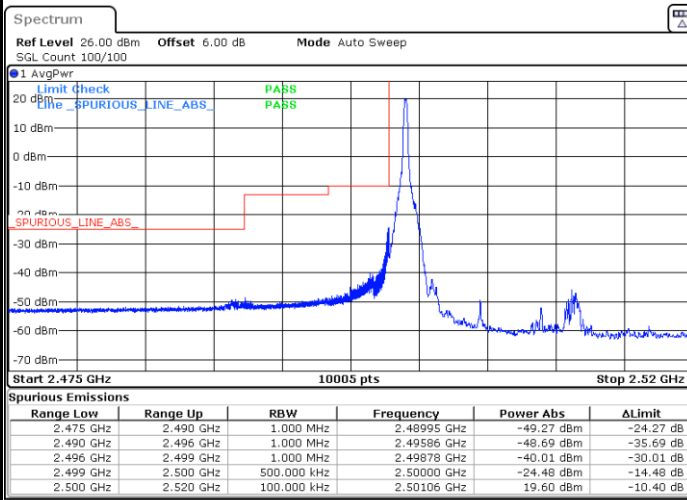


Date: 28.FEB.2023 21:58:30



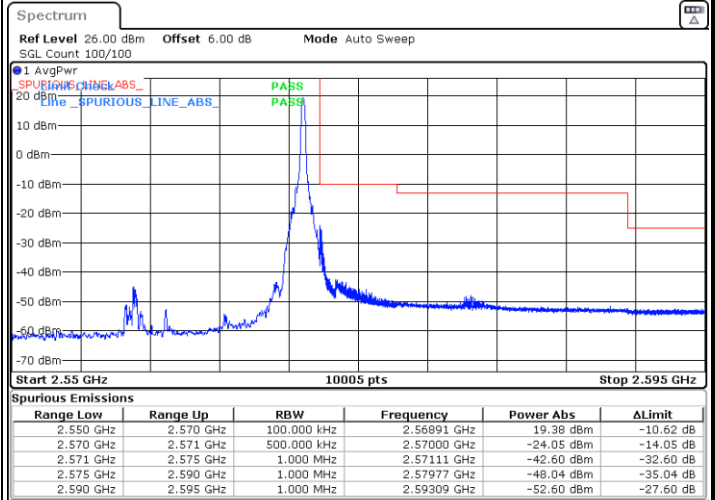
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



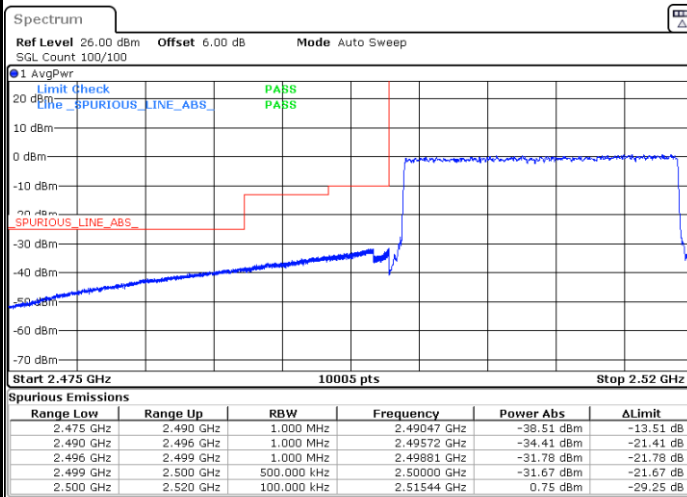
Date: 28.FEB.2023 21:43:16

Highest Band Edge / 1 RB



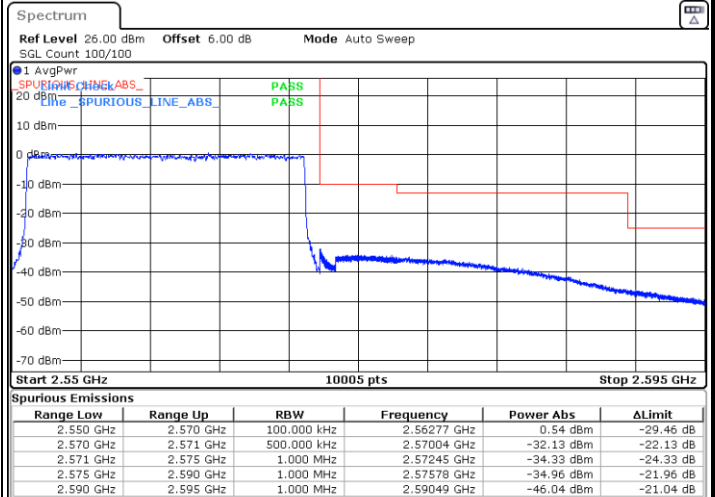
Date: 28.FEB.2023 21:54:27

Lowest Band Edge / Full RB



Date: 28.FEB.2023 21:48:47

Highest Band Edge / Full RB

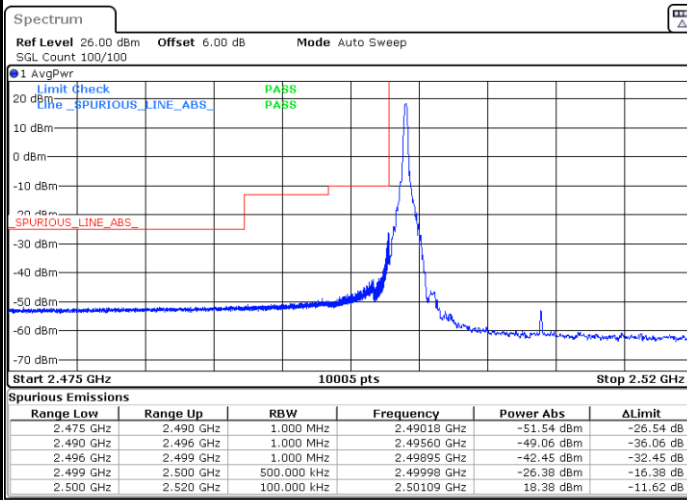


Date: 28.FEB.2023 21:57:29



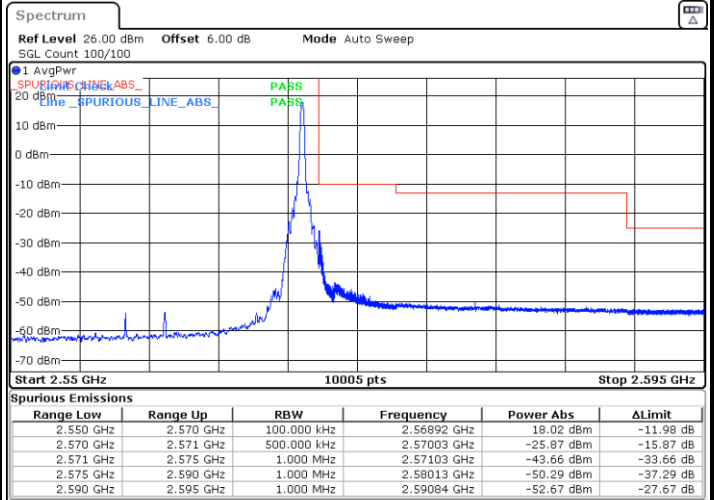
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



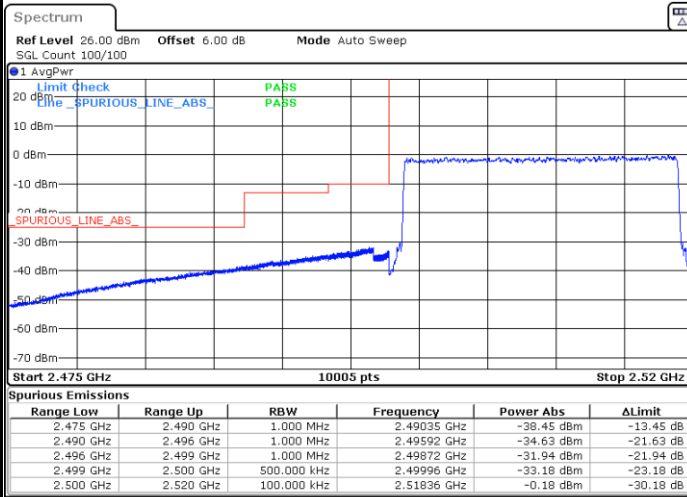
Date: 28.FEB.2023 21:44:17

Highest Band Edge / 1 RB



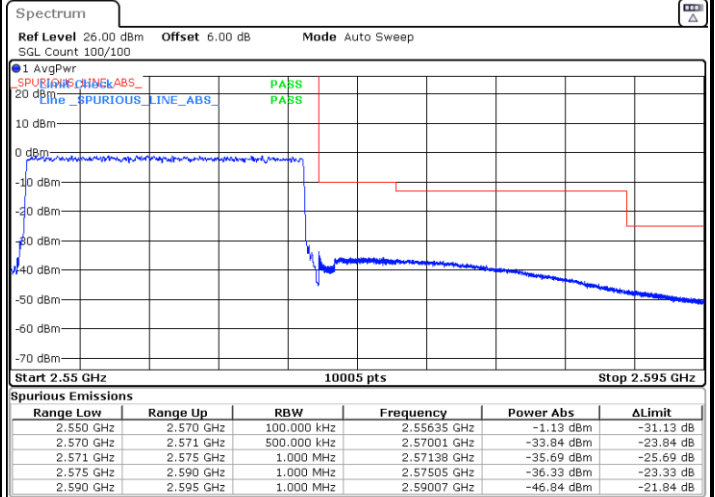
Date: 28.FEB.2023 21:55:28

Lowest Band Edge / Full RB



Date: 28.FEB.2023 21:47:46

Highest Band Edge / Full RB

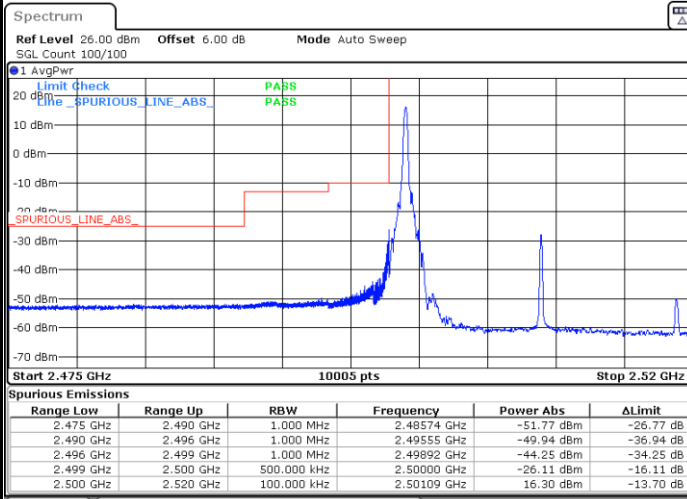


Date: 28.FEB.2023 21:56:29



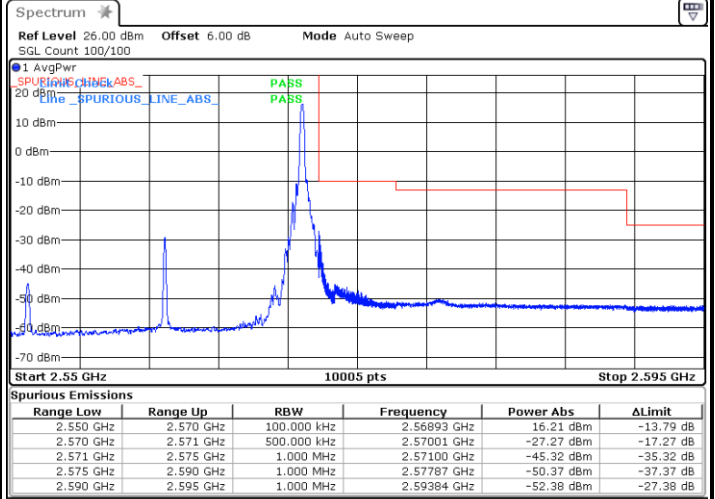
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

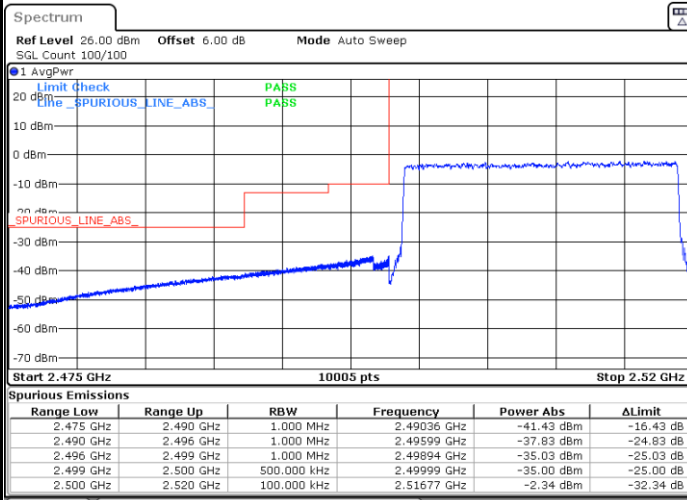


Date: 28.FEB.2023 21:45:18

Highest Band Edge / 1 RB

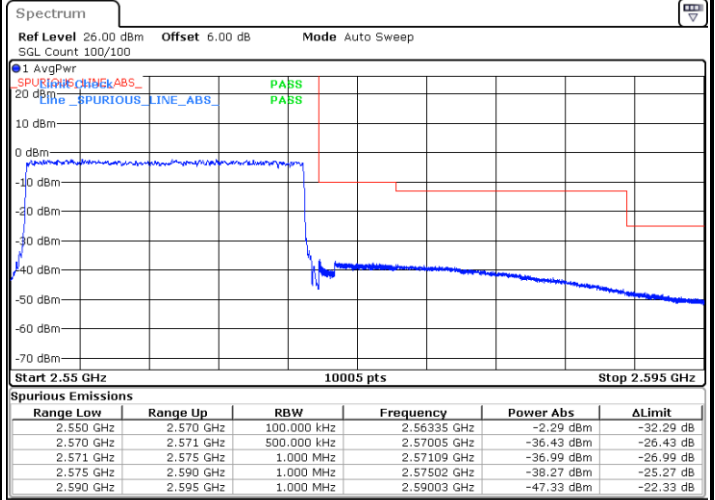


Lowest Band Edge / Full RB



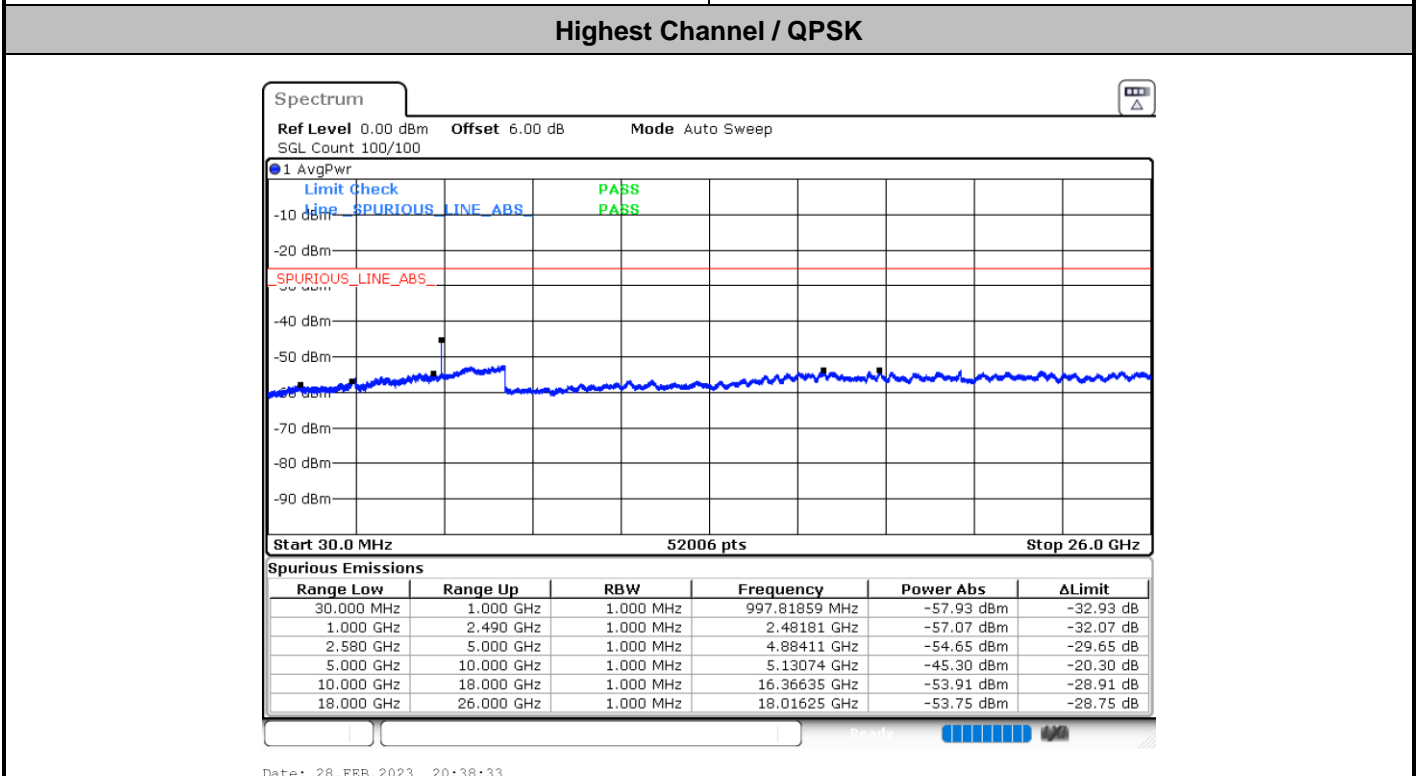
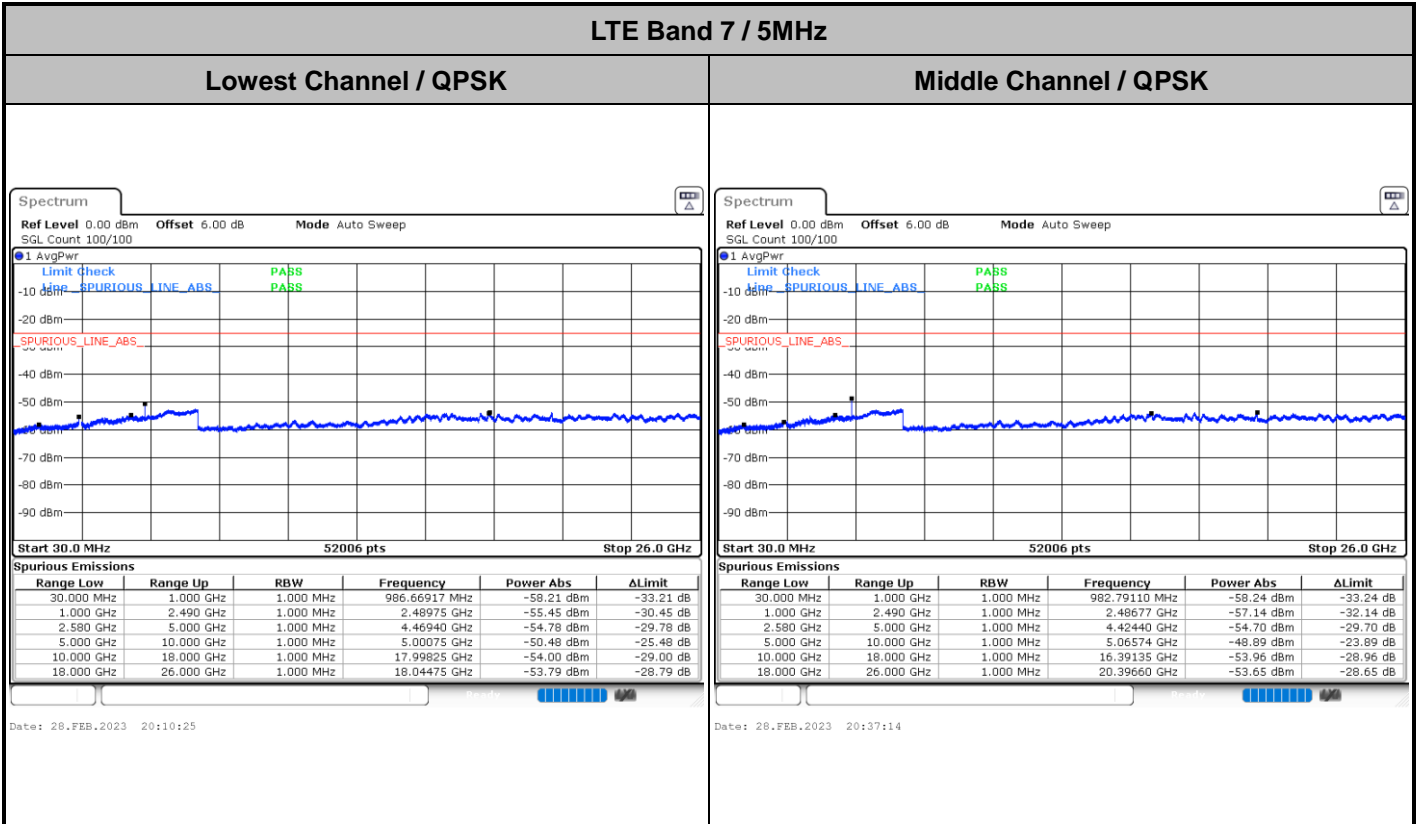
Date: 28.FEB.2023 21:46:43

Highest Band Edge / Full RB





Conducted Spurious Emission

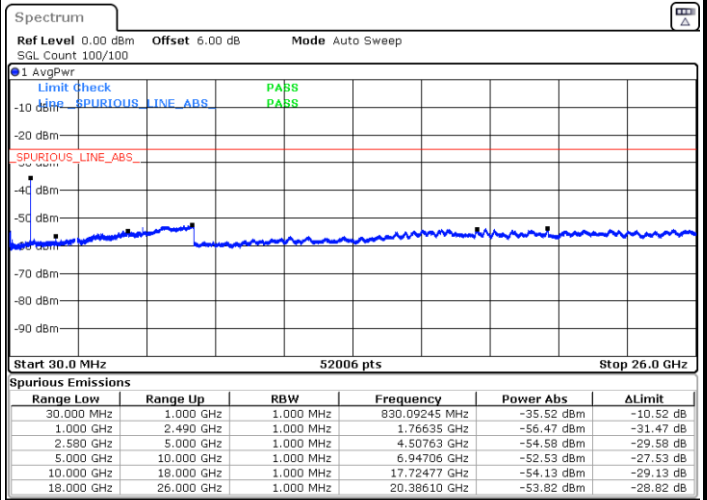
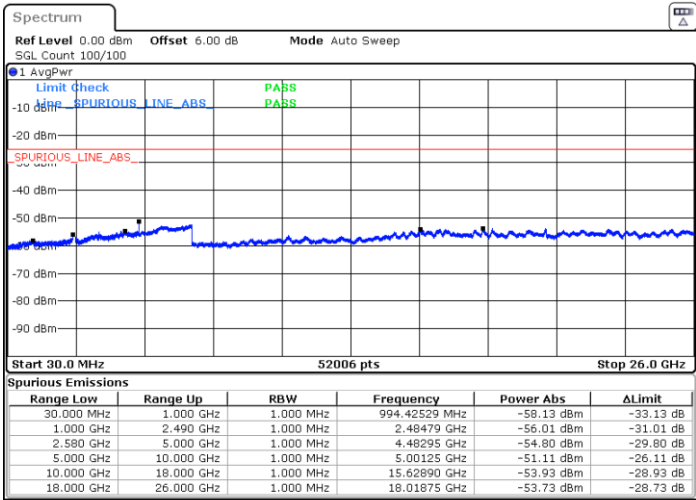




LTE Band 7 / 10MHz

Lowest Channel / QPSK

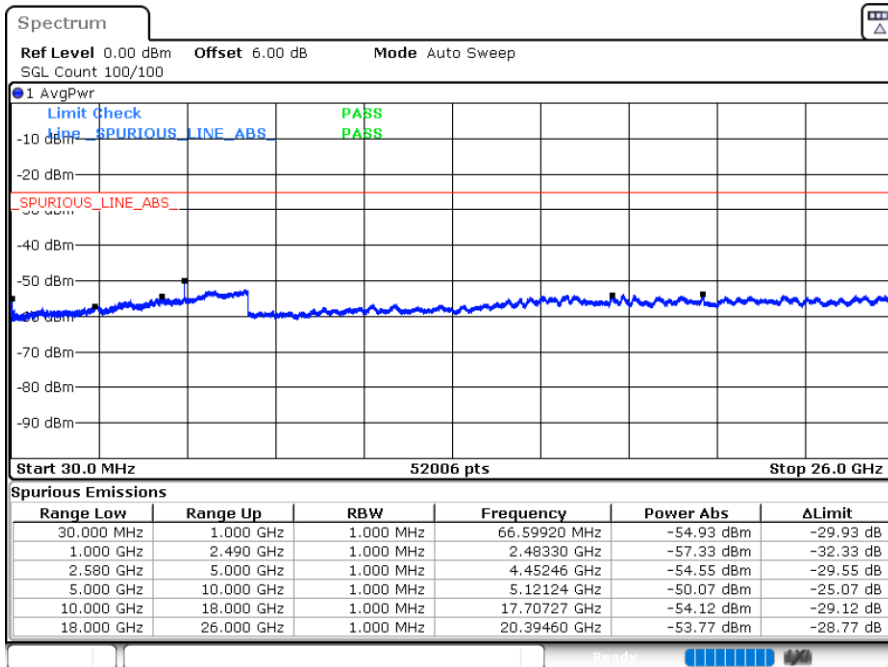
Middle Channel / QPSK



Date: 28.FEB.2023 20:51:44

Date: 28.FEB.2023 21:07:25

Highest Channel / QPSK



Date: 28.FEB.2023 21:08:44