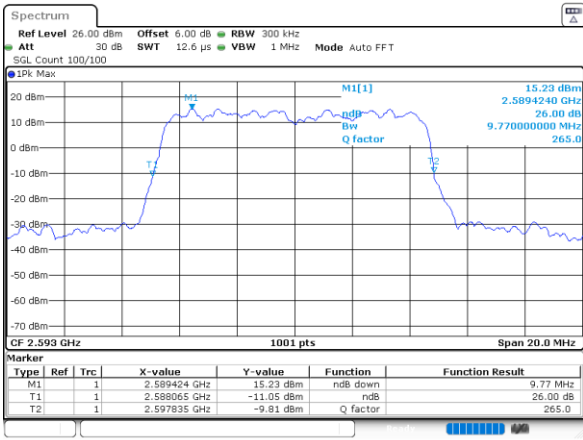




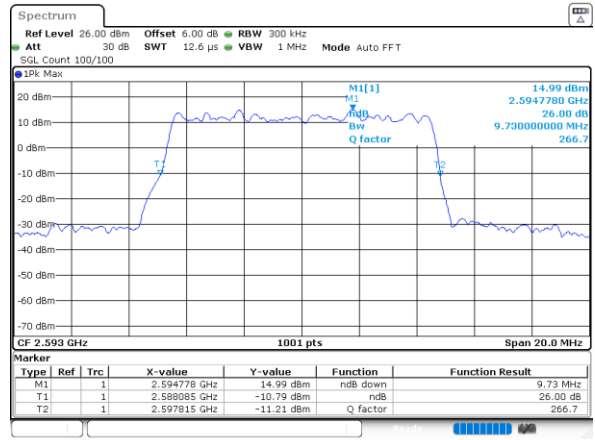
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 1.FEB.2024 11:12:30

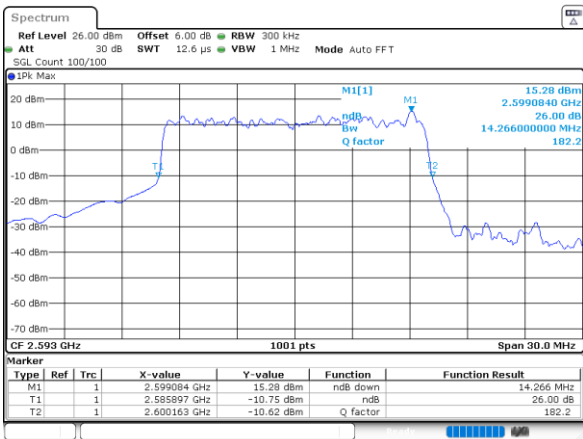
Middle Channel / 10MHz / 16QAM



Date: 1.FEB.2024 11:12:51

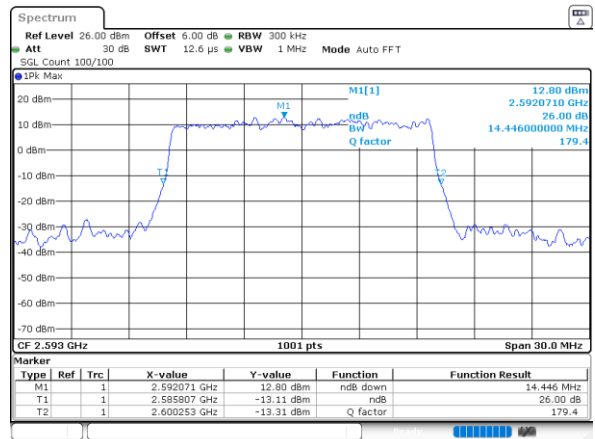
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 1.FEB.2024 11:13:54

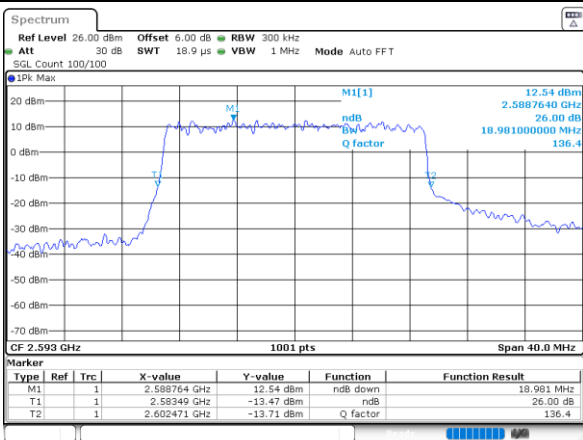
Middle Channel / 15MHz / 16QAM



Date: 1.FEB.2024 11:14:15

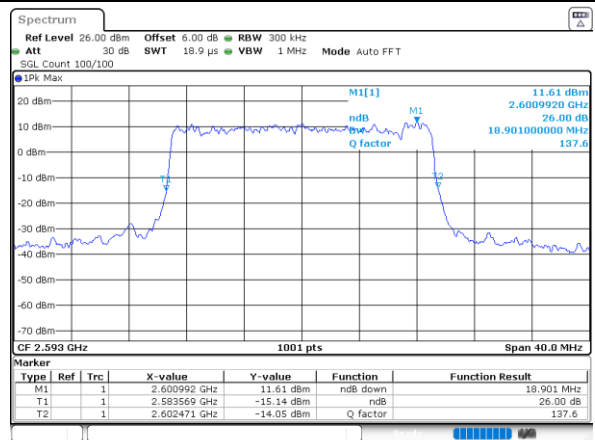
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 1.FEB.2024 11:15:19

Middle Channel / 20MHz / 16QAM

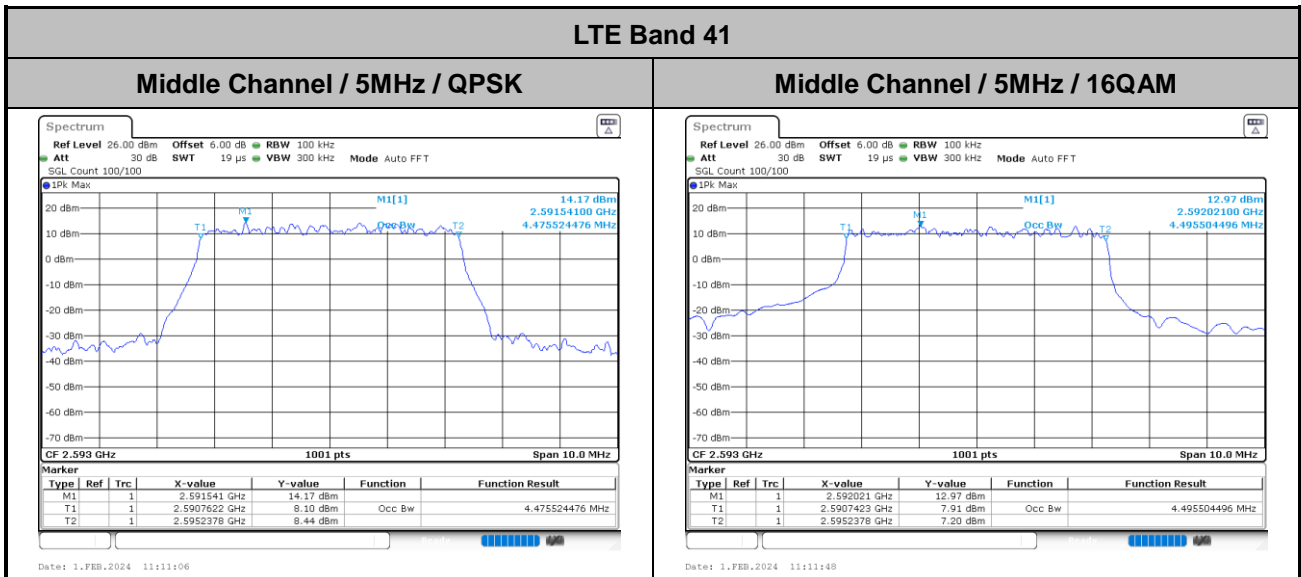


Date: 1.FEB.2024 11:15:39



Occupied Bandwidth

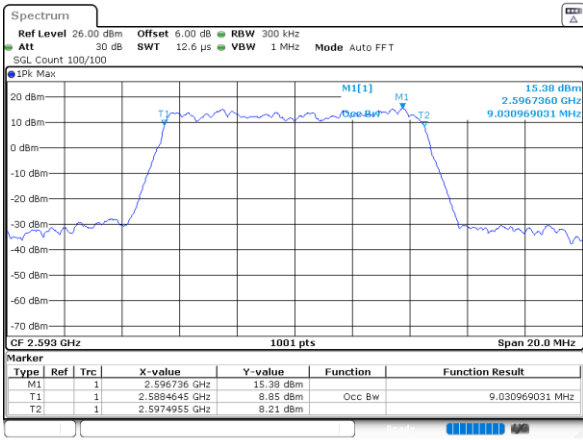
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	8.99
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.98	17.94



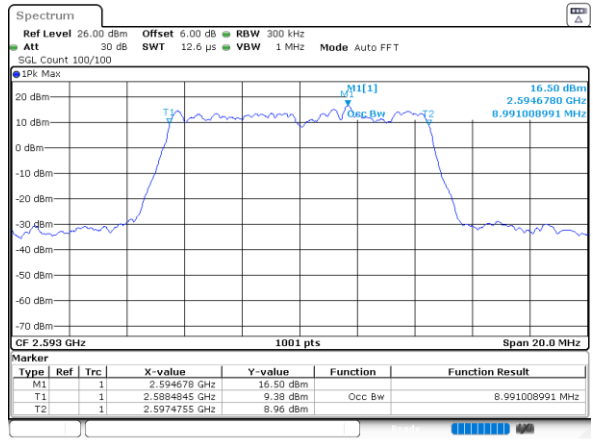


LTE Band 41

Middle Channel / 10MHz / QPSK

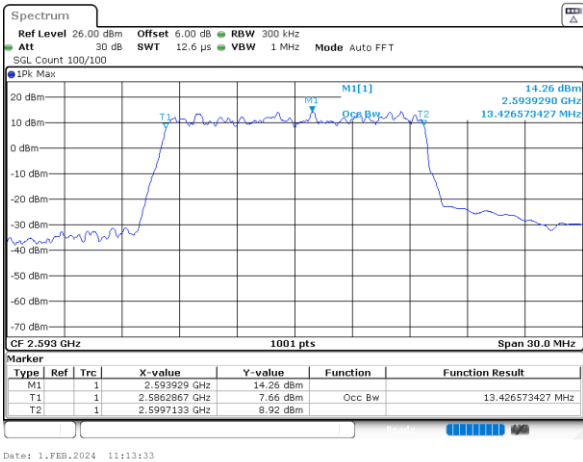


Middle Channel / 10MHz / 16QAM

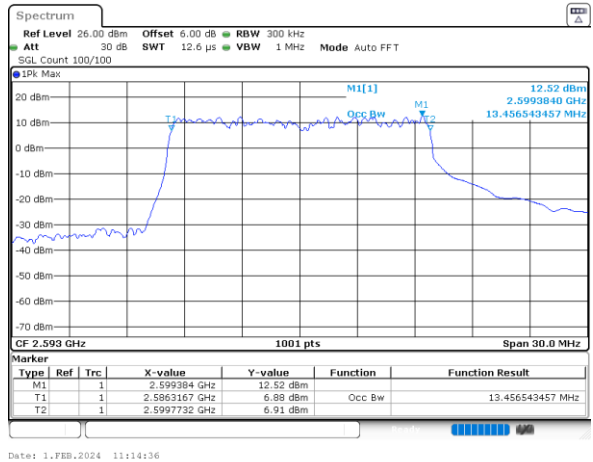


LTE Band 41

Middle Channel / 15MHz / QPSK

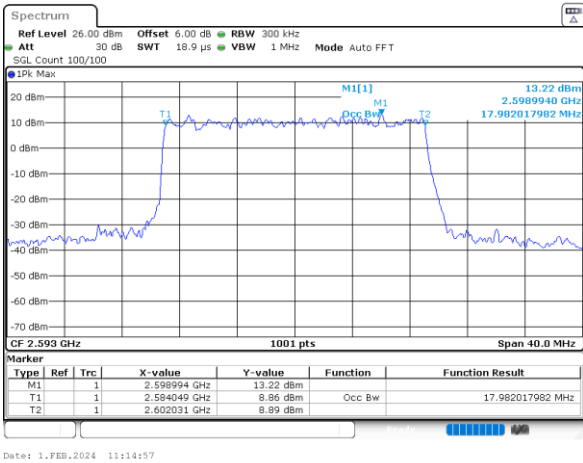


Middle Channel / 15MHz / 16QAM

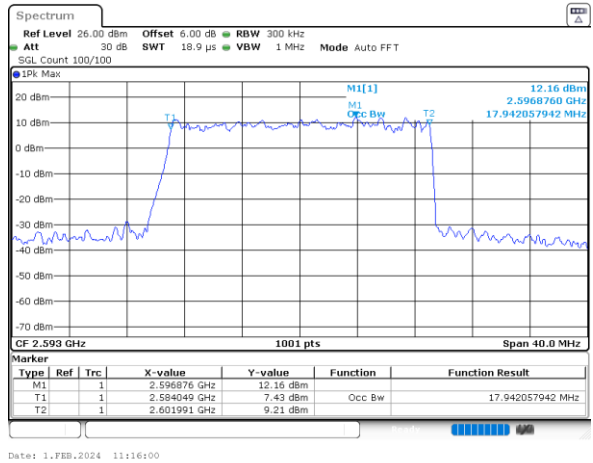


LTE Band 41

Middle Channel / 20MHz / QPSK

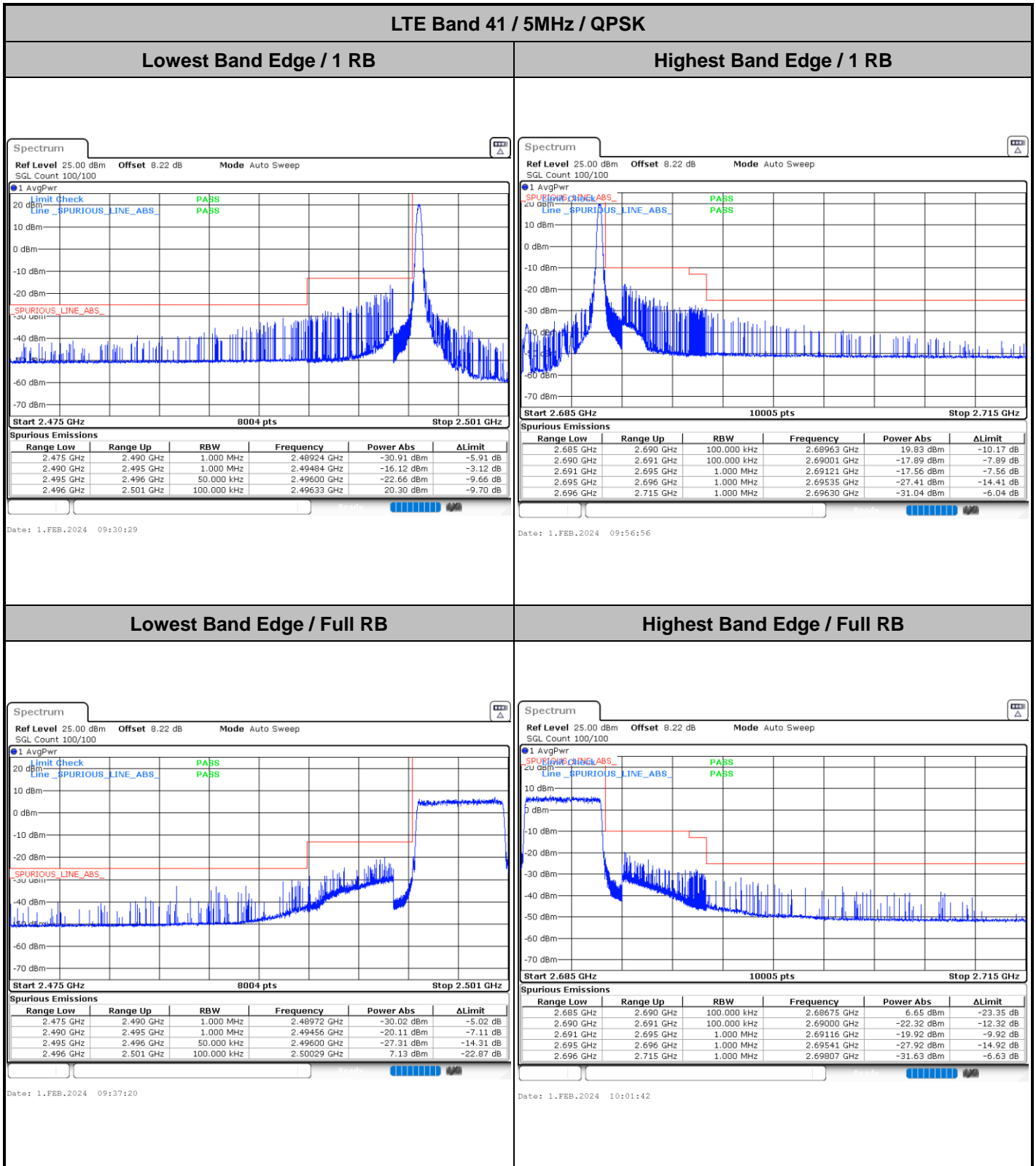


Middle Channel / 20MHz / 16QAM





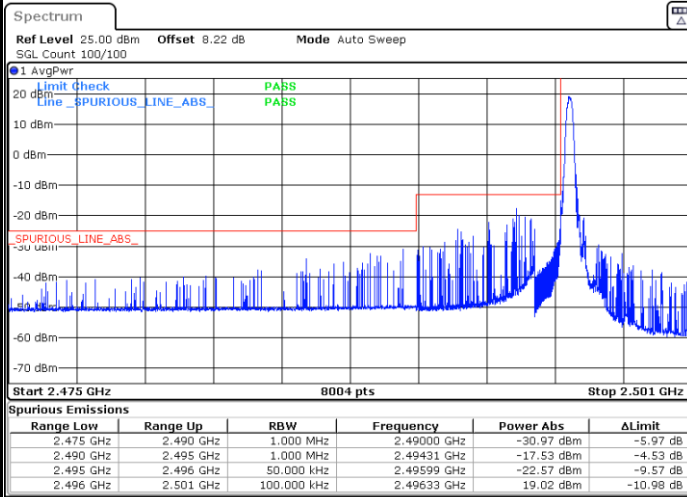
Conducted Band Edge





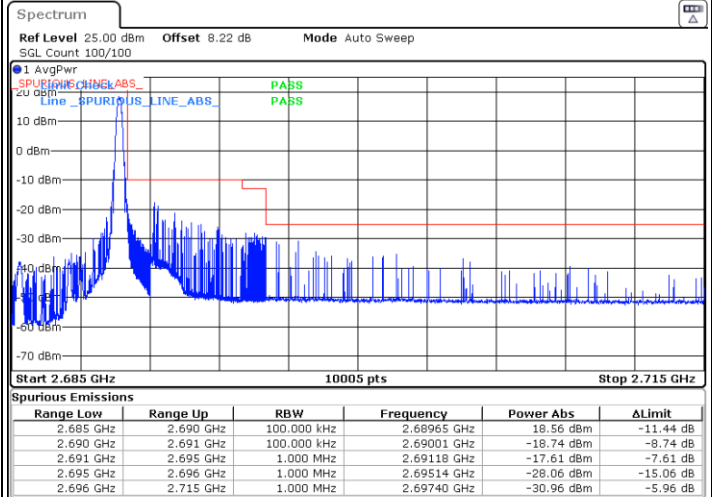
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



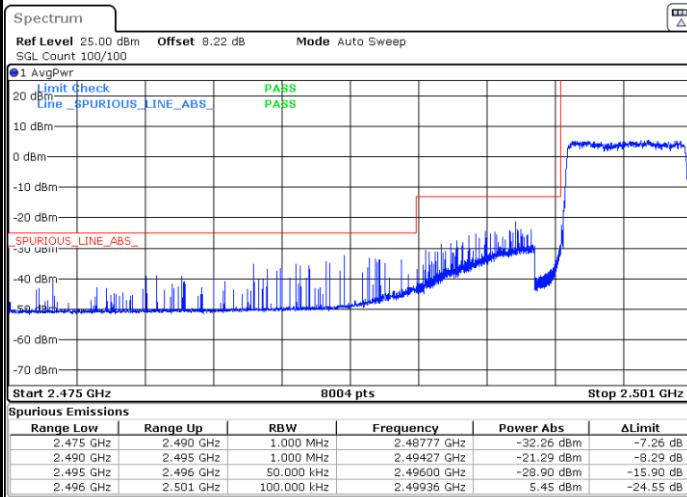
Date: 1.FEB.2024 09:31:20

Highest Band Edge / 1 RB



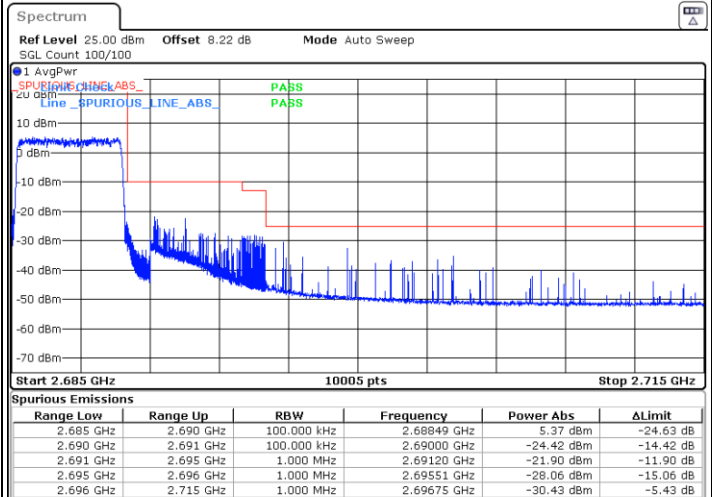
Date: 1.FEB.2024 09:57:36

Lowest Band Edge / Full RB



Date: 1.FEB.2024 09:36:40

Highest Band Edge / Full RB

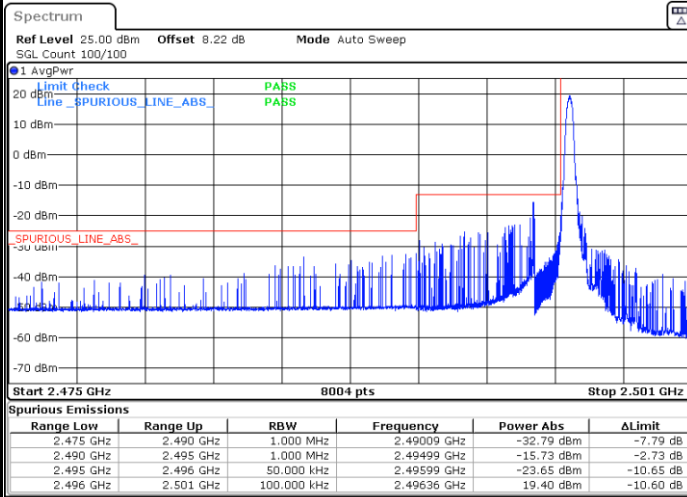


Date: 1.FEB.2024 10:01:02



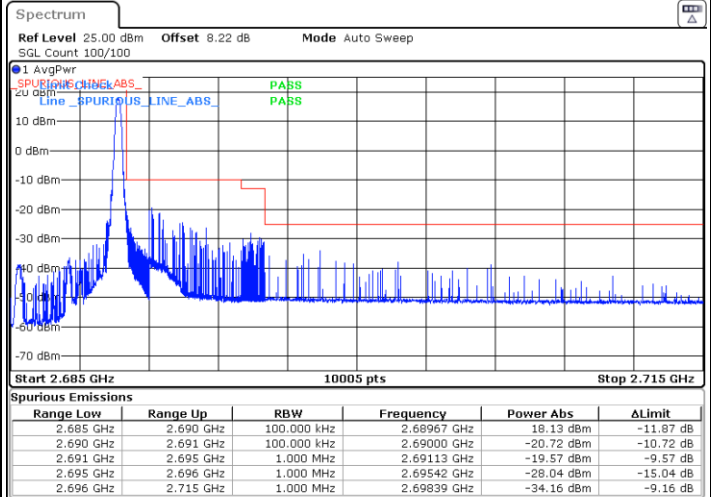
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



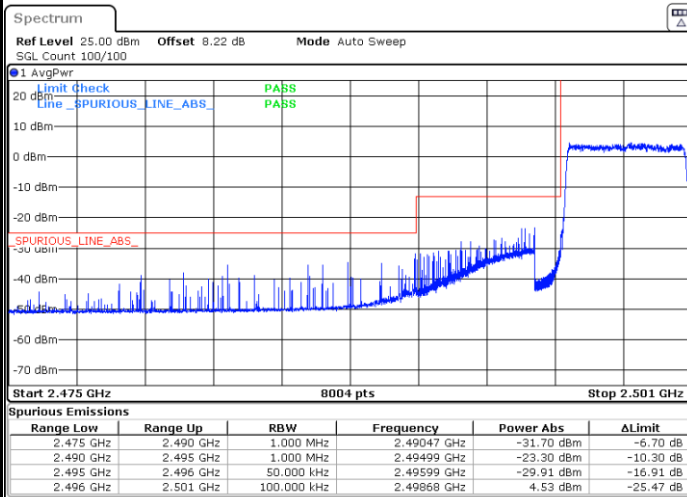
Date: 1.FEB.2024 09:32:10

Highest Band Edge / 1 RB



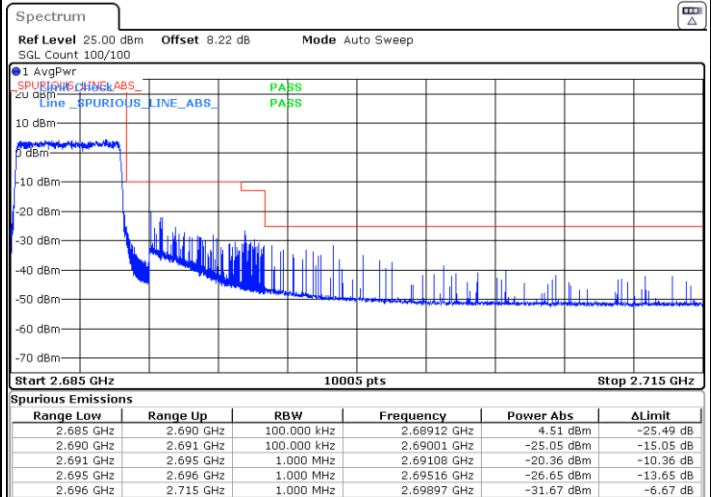
Date: 1.FEB.2024 09:58:16

Lowest Band Edge / Full RB



Date: 1.FEB.2024 09:35:59

Highest Band Edge / Full RB



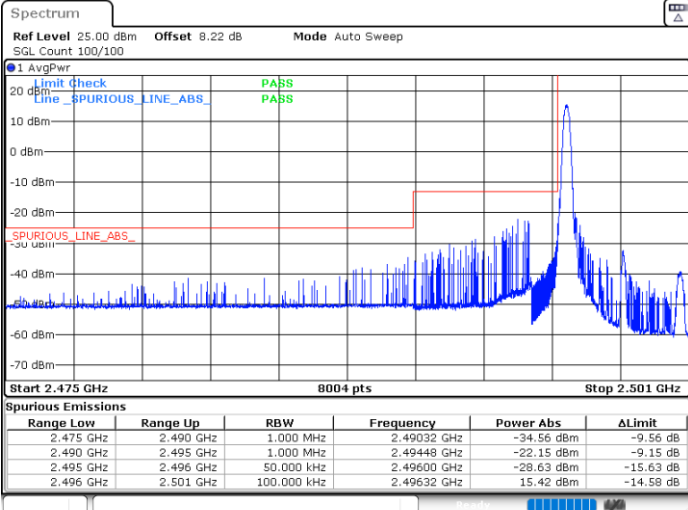
Date: 1.FEB.2024 10:00:22



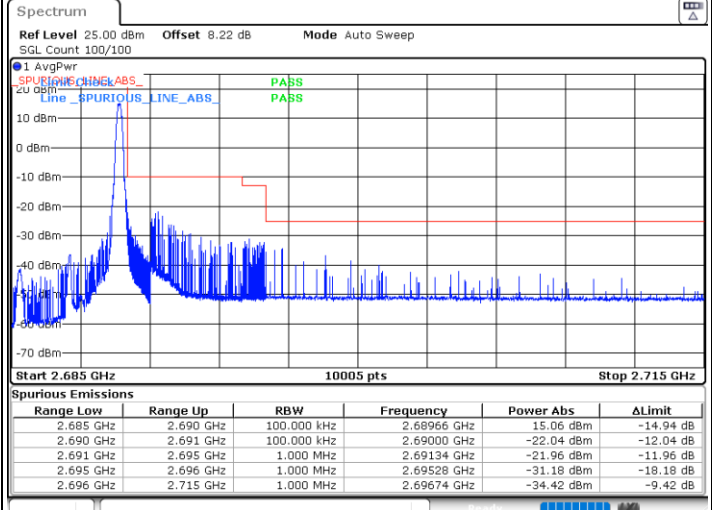
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



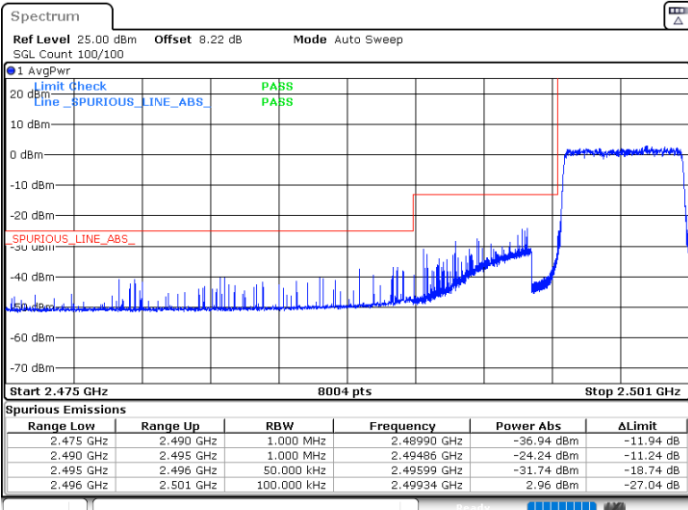
Date: 1.FEB.2024 09:32:51



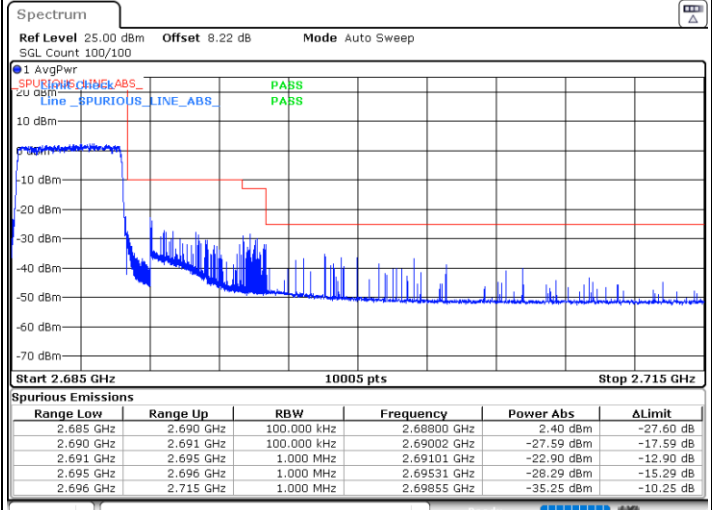
Date: 1.FEB.2024 09:58:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.FEB.2024 09:35:16



Date: 1.FEB.2024 09:59:39



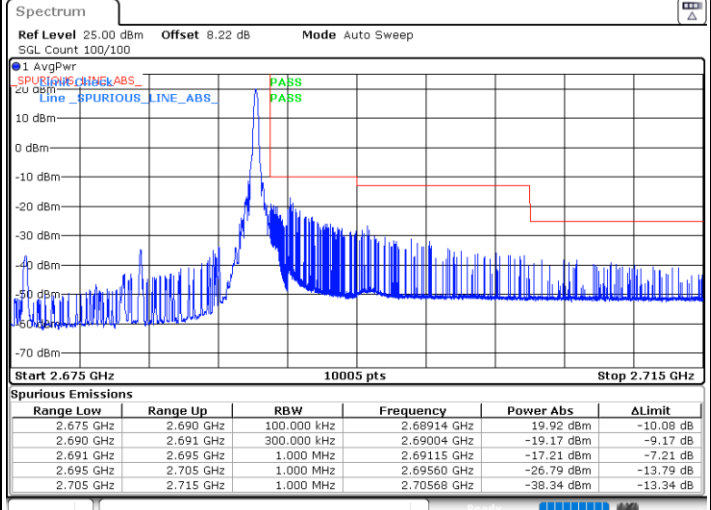
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



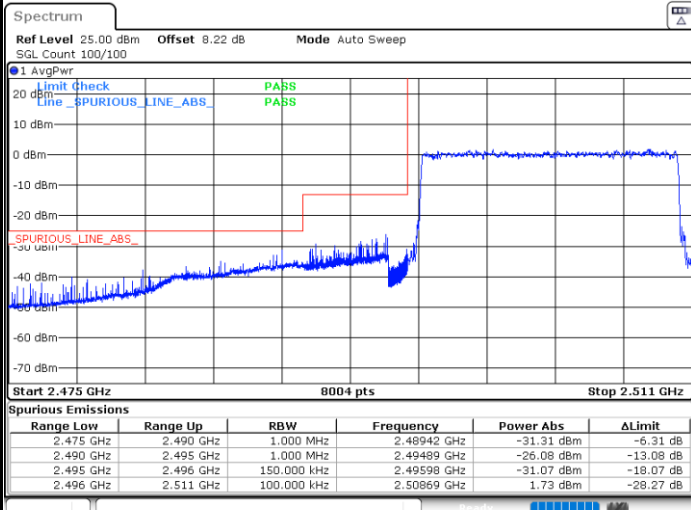
Date: 1.FEB.2024 10:30:47

Highest Band Edge / 1 RB



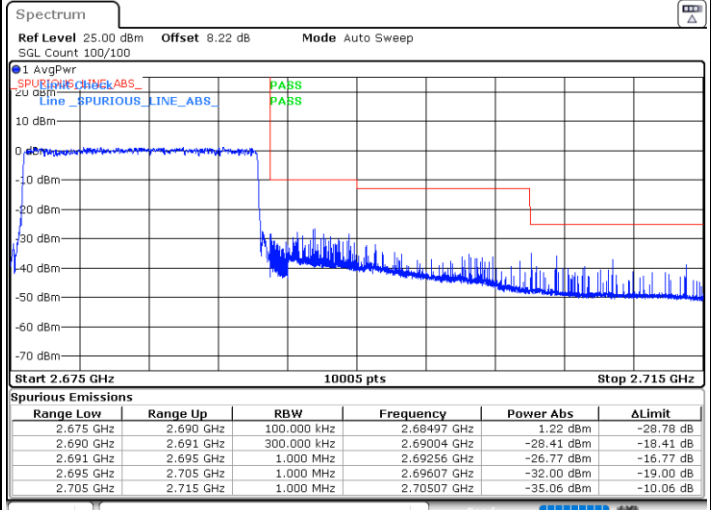
Date: 1.FEB.2024 10:39:31

Lowest Band Edge / Full RB



Date: 1.FEB.2024 10:33:30

Highest Band Edge / Full RB



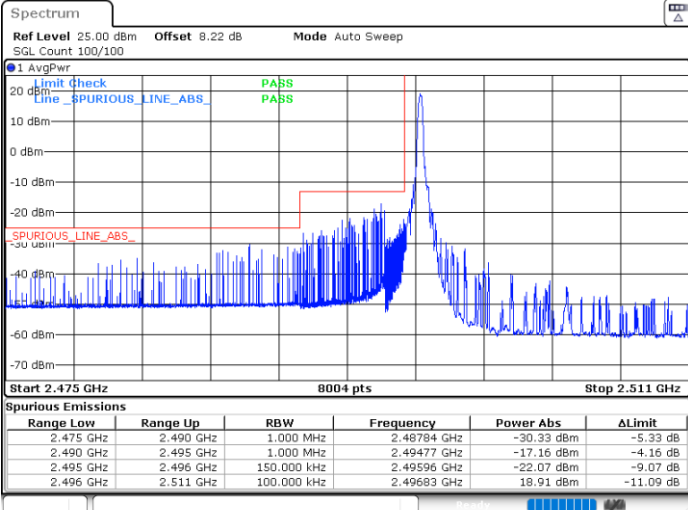
Date: 1.FEB.2024 10:42:18



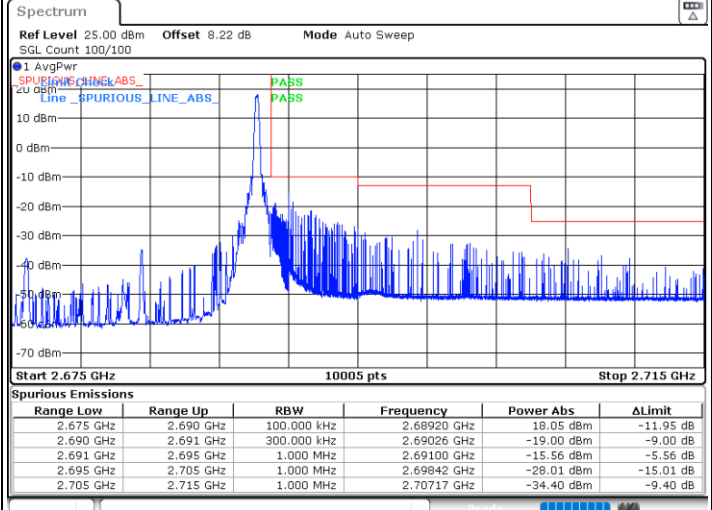
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



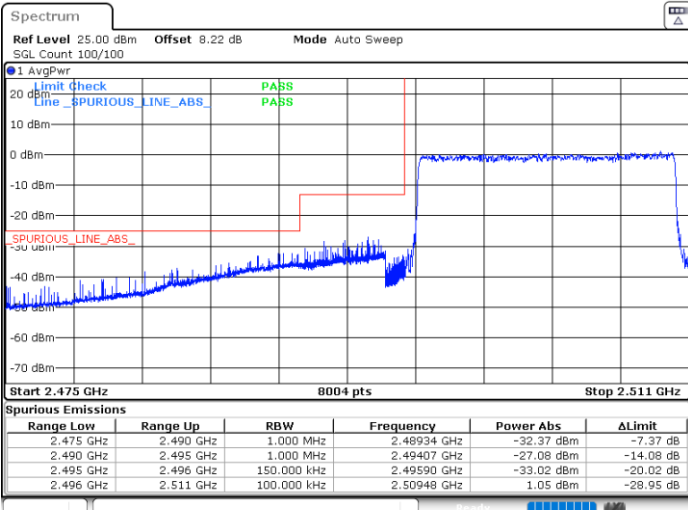
Date: 1.FEB.2024 10:31:28



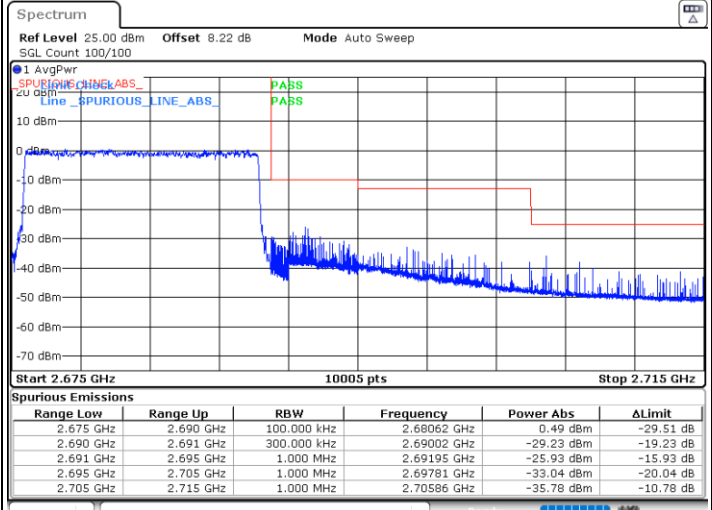
Date: 1.FEB.2024 10:40:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.FEB.2024 10:34:10

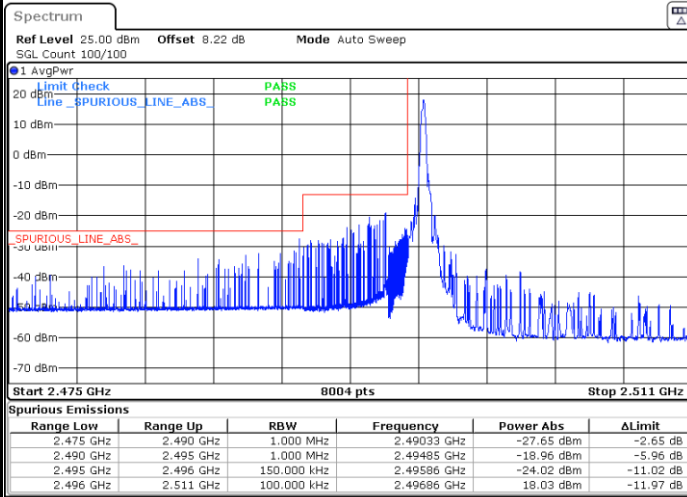


Date: 1.FEB.2024 10:42:58



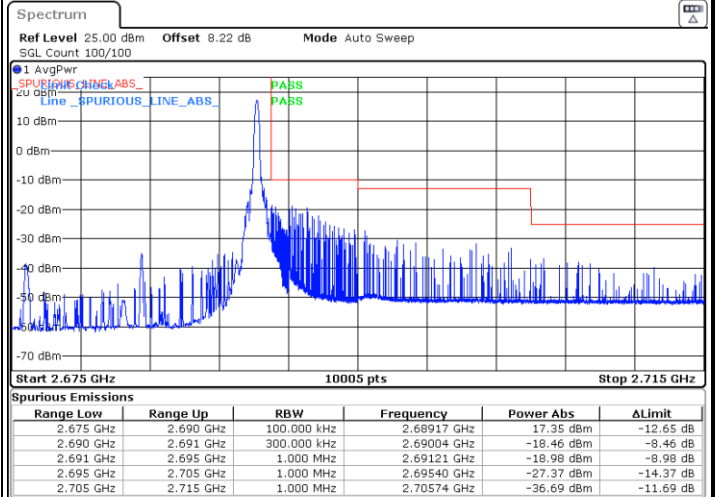
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



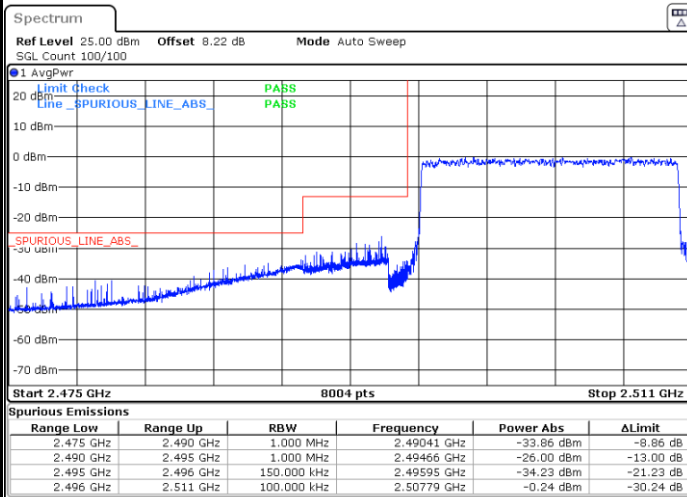
Date: 1.FEB.2024 10:32:09

Highest Band Edge / 1 RB



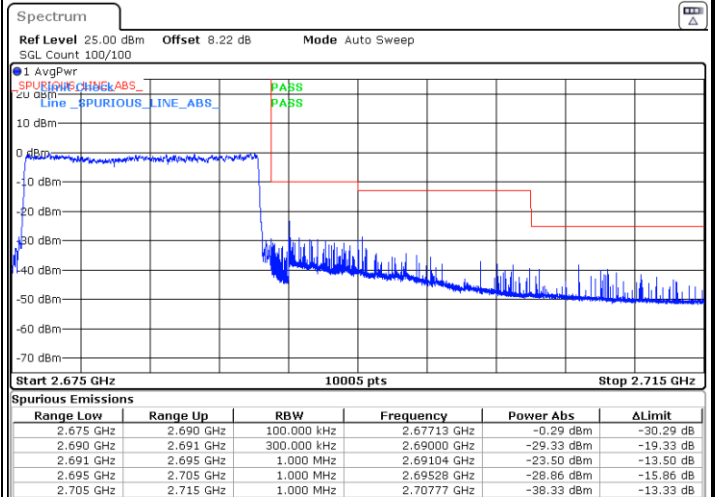
Date: 1.FEB.2024 10:40:51

Lowest Band Edge / Full RB



Date: 1.FEB.2024 10:34:50

Highest Band Edge / Full RB



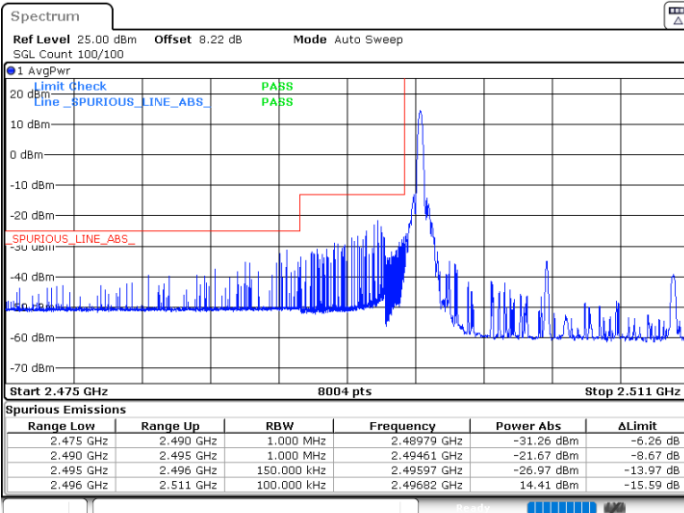
Date: 1.FEB.2024 10:43:39



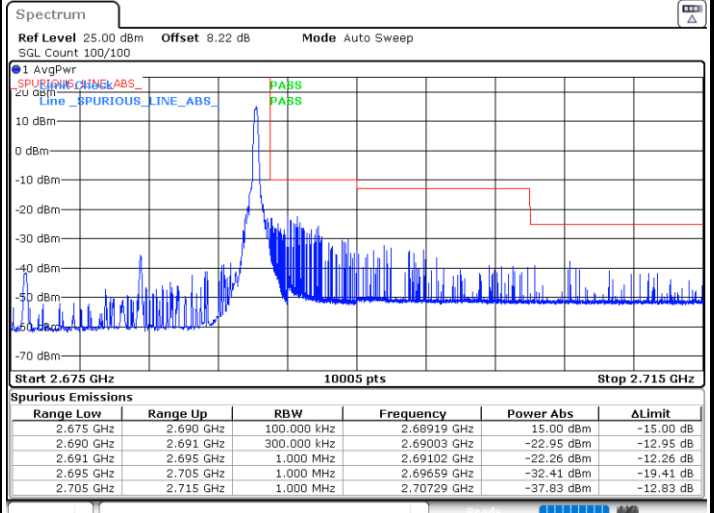
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



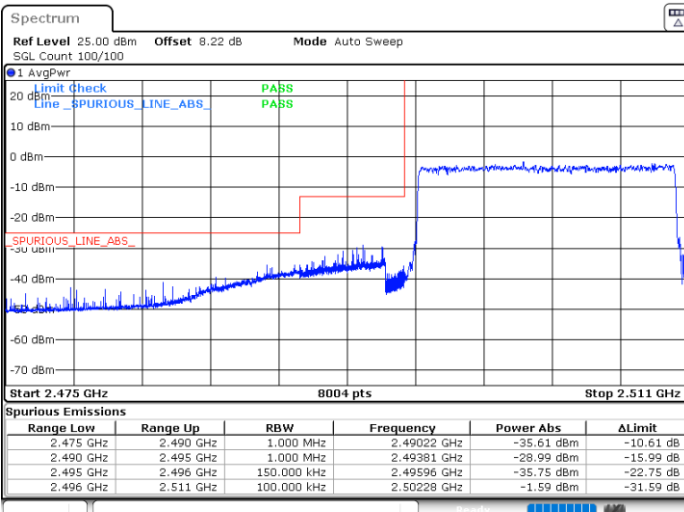
Date: 1.FEB.2024 10:32:49



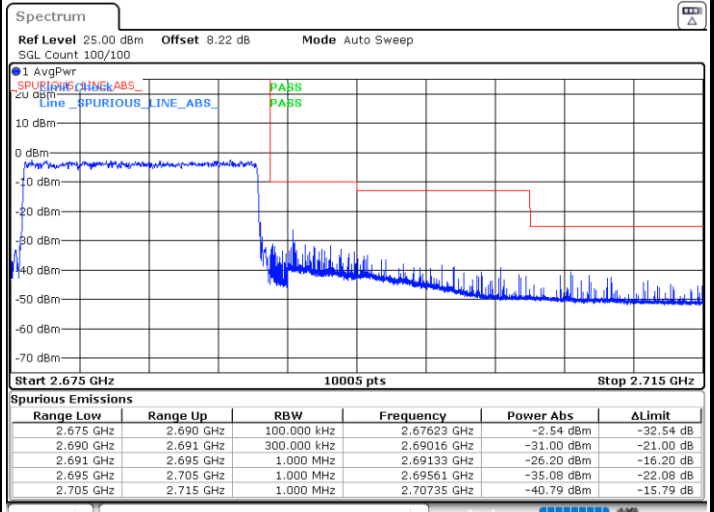
Date: 1.FEB.2024 10:41:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.FEB.2024 10:35:31



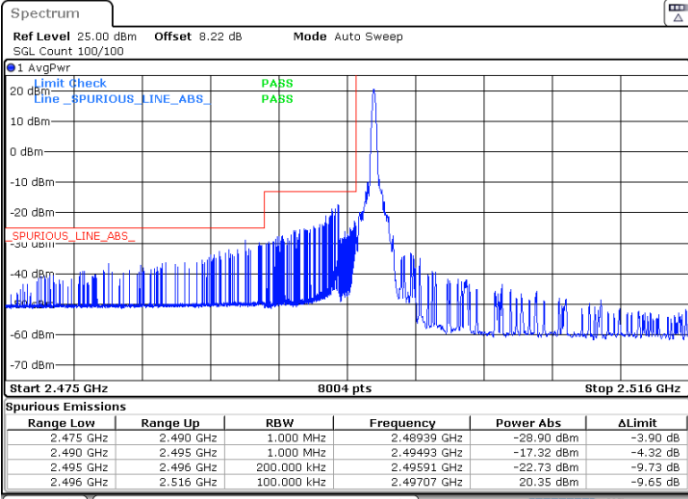
Date: 1.FEB.2024 10:44:20



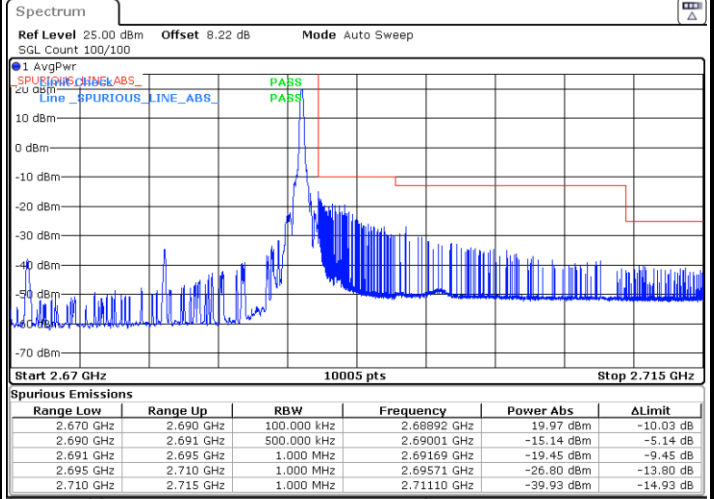
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



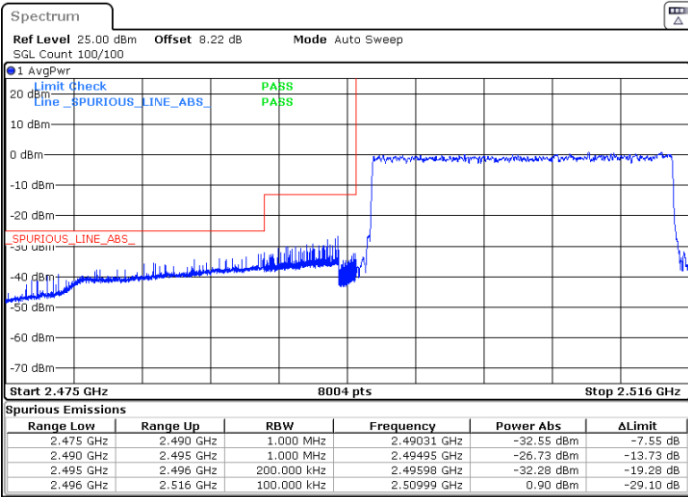
Date: 1.FEB.2024 10:52:27



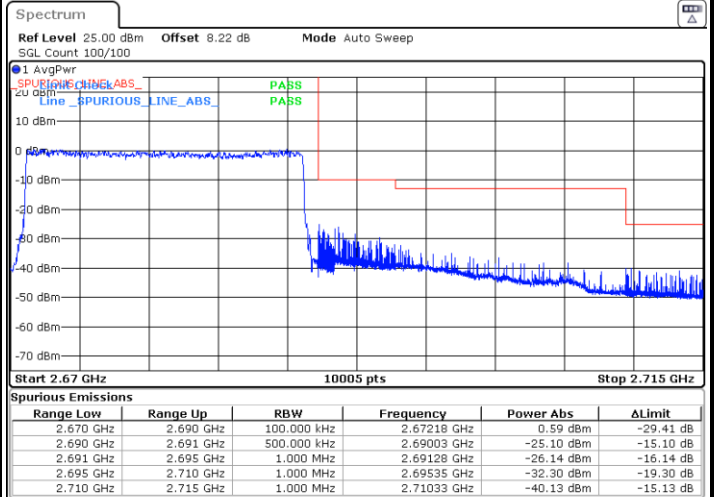
Date: 1.FEB.2024 11:03:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.FEB.2024 10:55:13



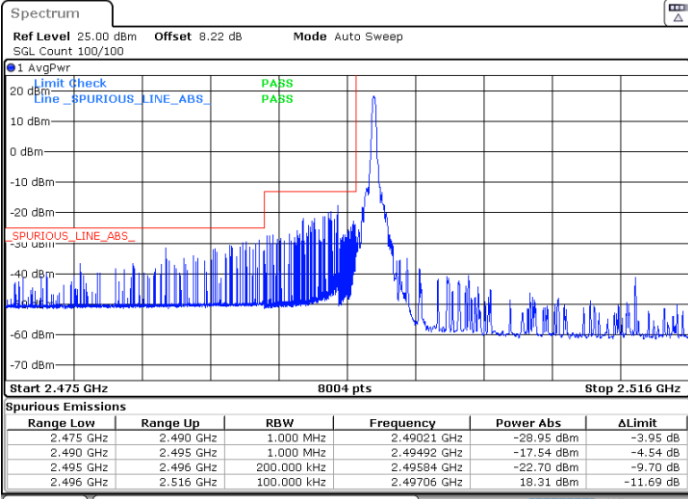
Date: 1.FEB.2024 11:06:16



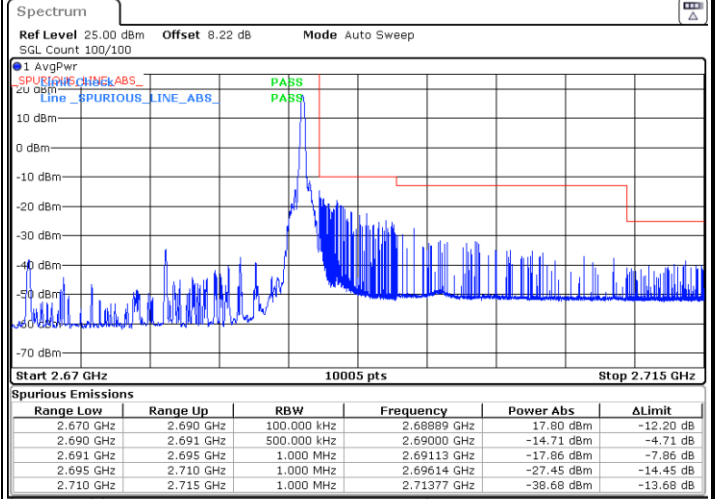
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



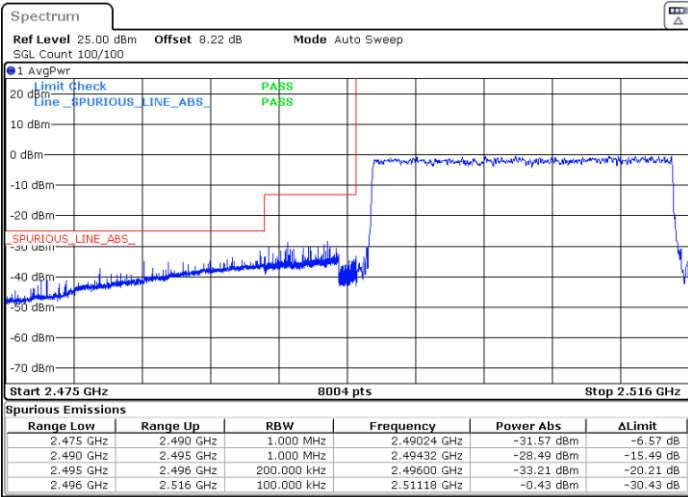
Date: 1.FEB.2024 10:53:08



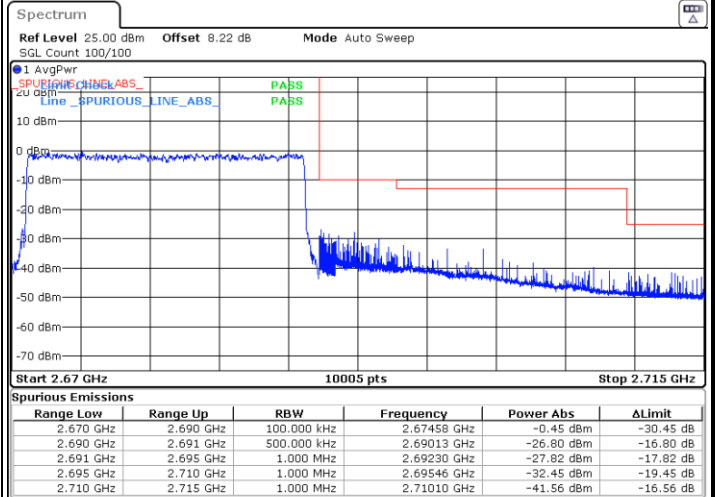
Date: 1.FEB.2024 11:04:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.FEB.2024 10:55:54

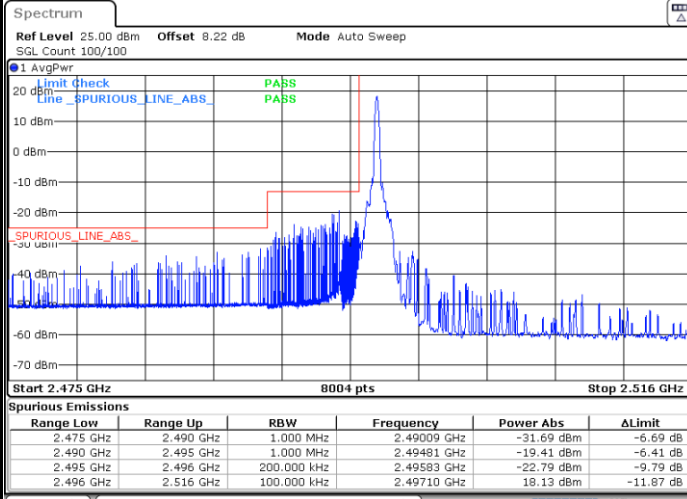


Date: 1.FEB.2024 11:06:56



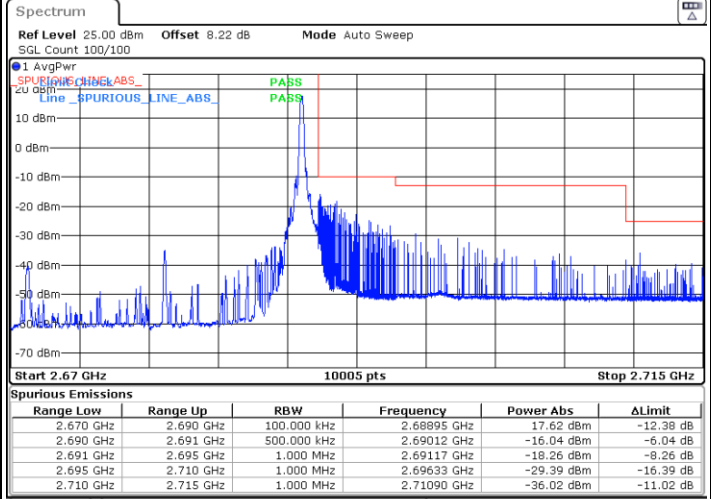
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



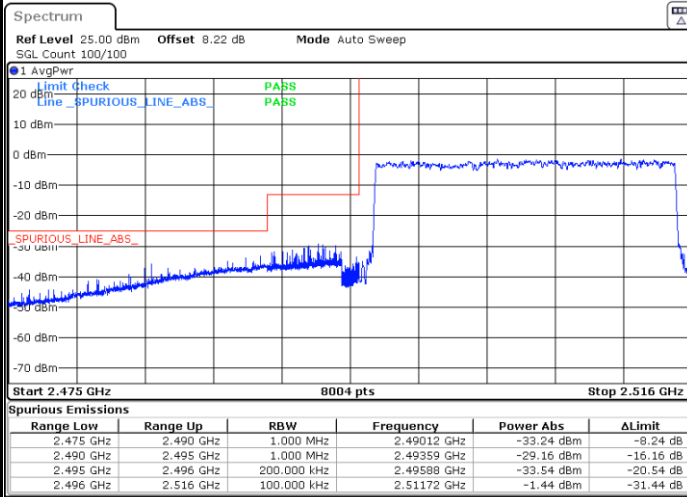
Date: 1.FEB.2024 10:53:49

Highest Band Edge / 1 RB



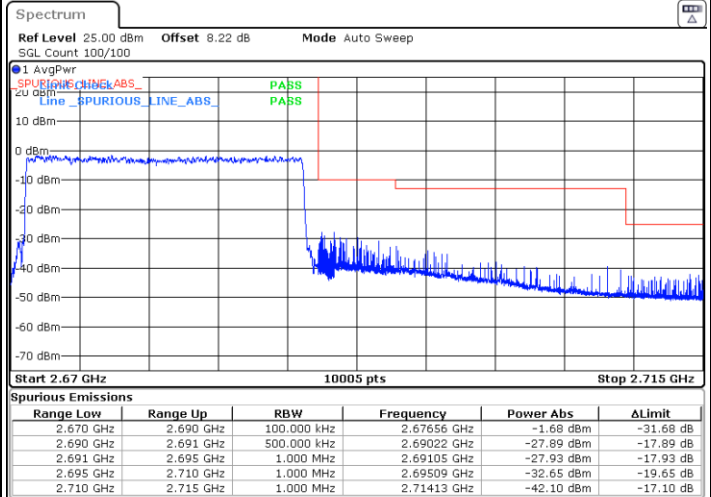
Date: 1.FEB.2024 11:04:53

Lowest Band Edge / Full RB



Date: 1.FEB.2024 10:56:35

Highest Band Edge / Full RB



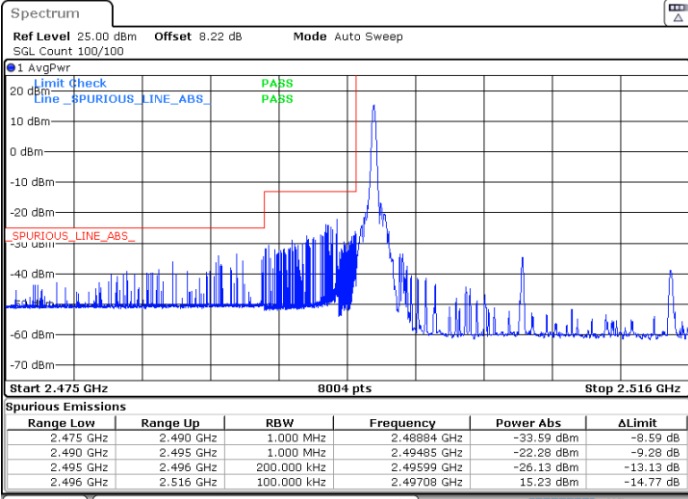
Date: 1.FEB.2024 11:07:36



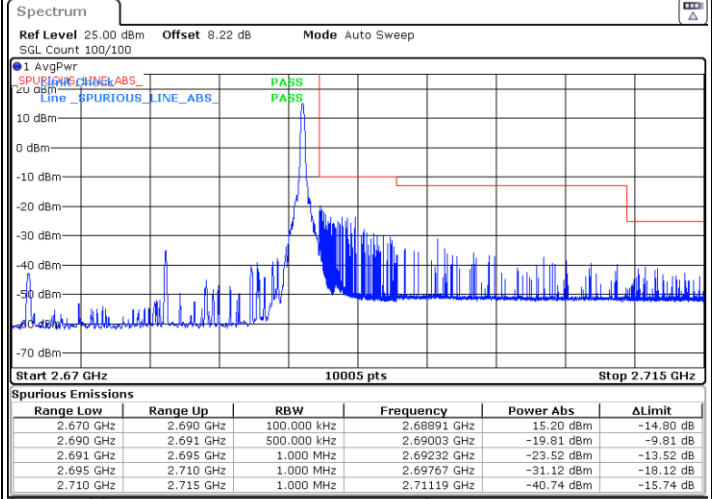
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



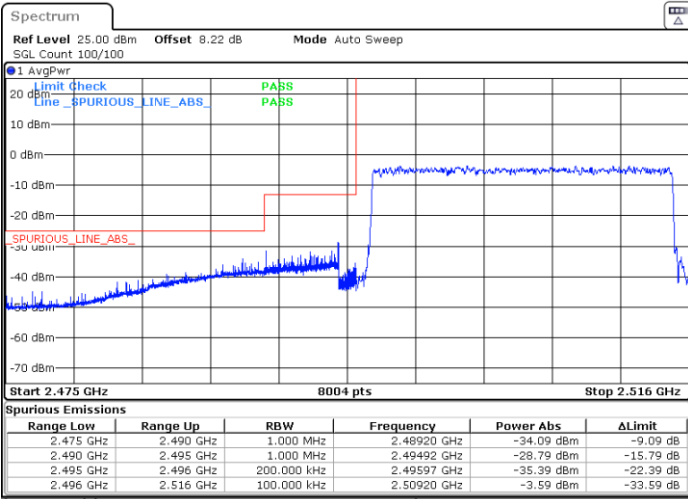
Date: 1.FEB.2024 10:54:30



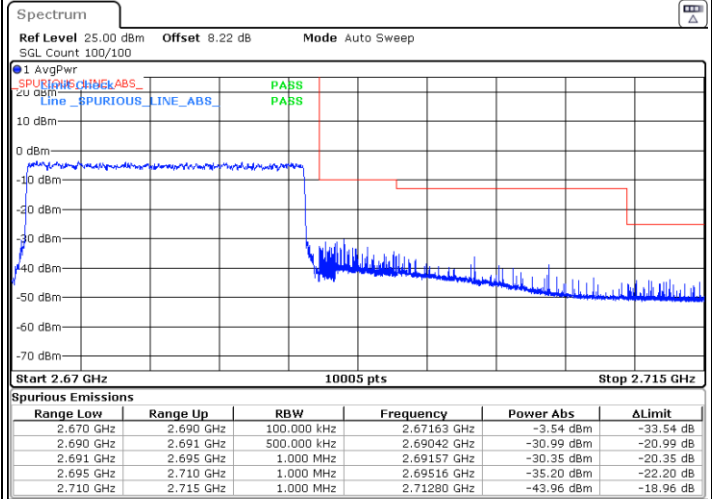
Date: 1.FEB.2024 11:05:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



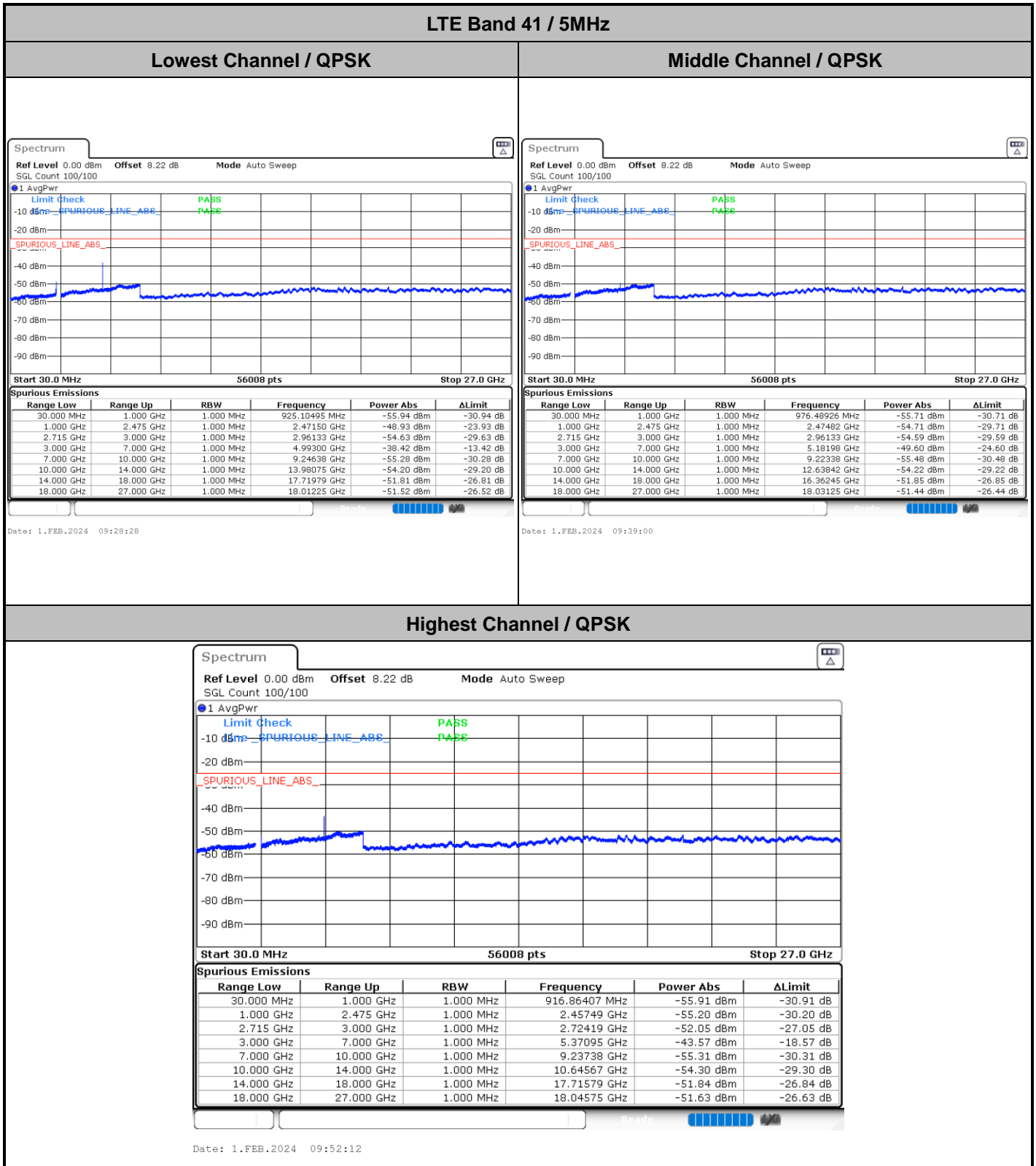
Date: 1.FEB.2024 10:57:15



Date: 1.FEB.2024 11:08:16



Conducted Spurious Emission

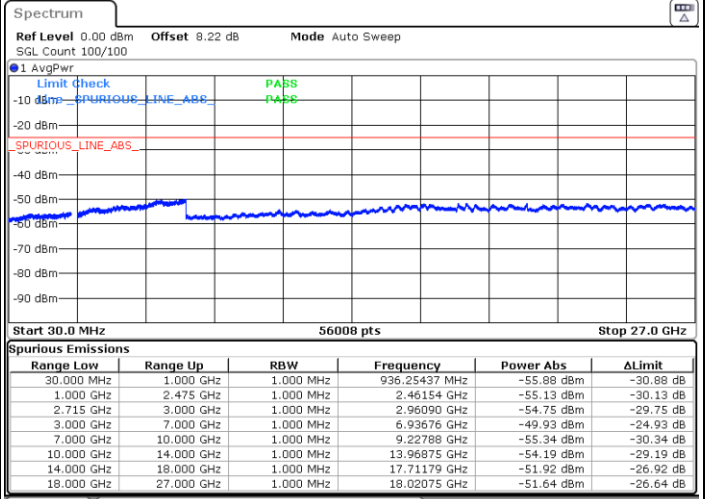
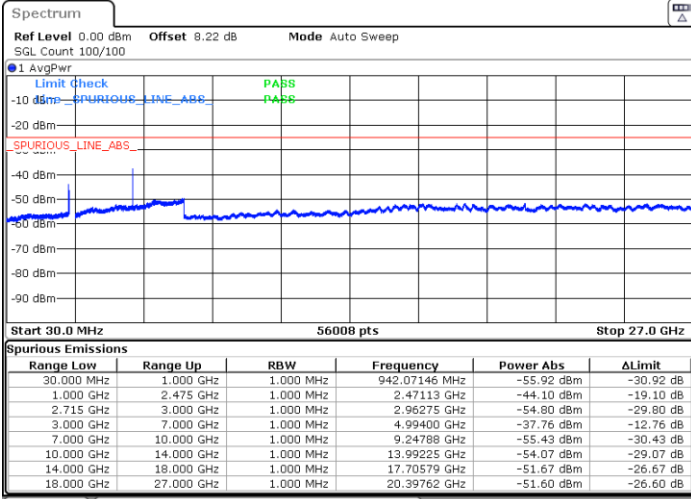




LTE Band 41 / 15MHz

Lowest Channel / QPSK

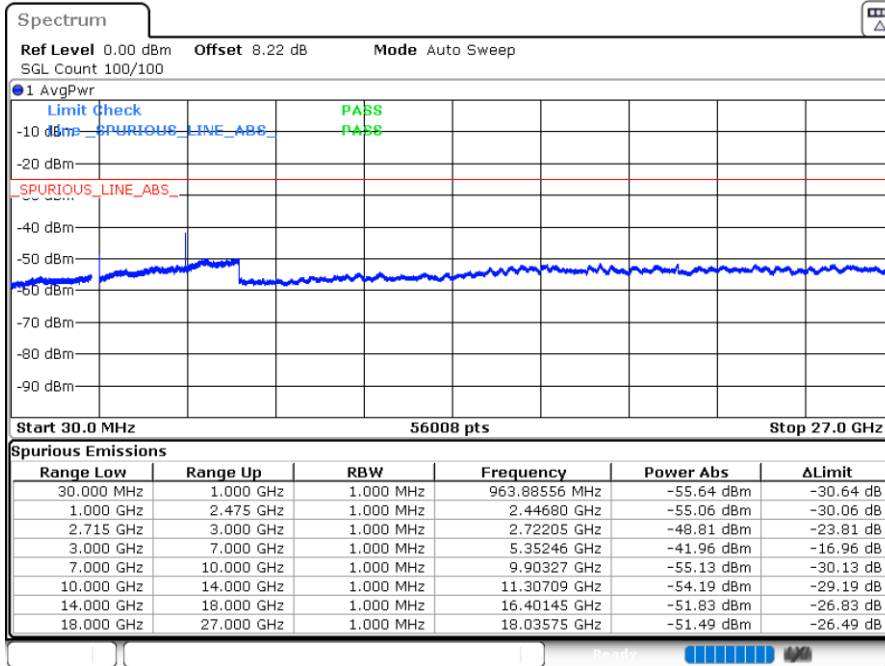
Middle Channel / QPSK



Date: 1.FEB.2024 10:30:06

Date: 1.FEB.2024 10:37:11

Highest Channel / QPSK



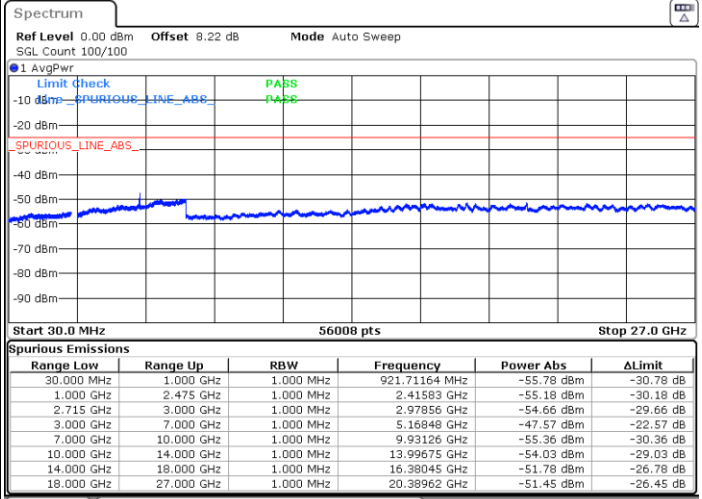
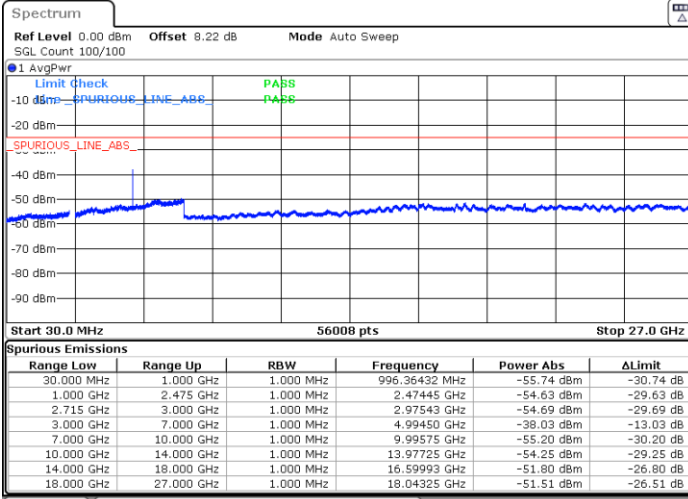
Date: 1.FEB.2024 10:38:50



LTE Band 41 / 20MHz

Lowest Channel / QPSK

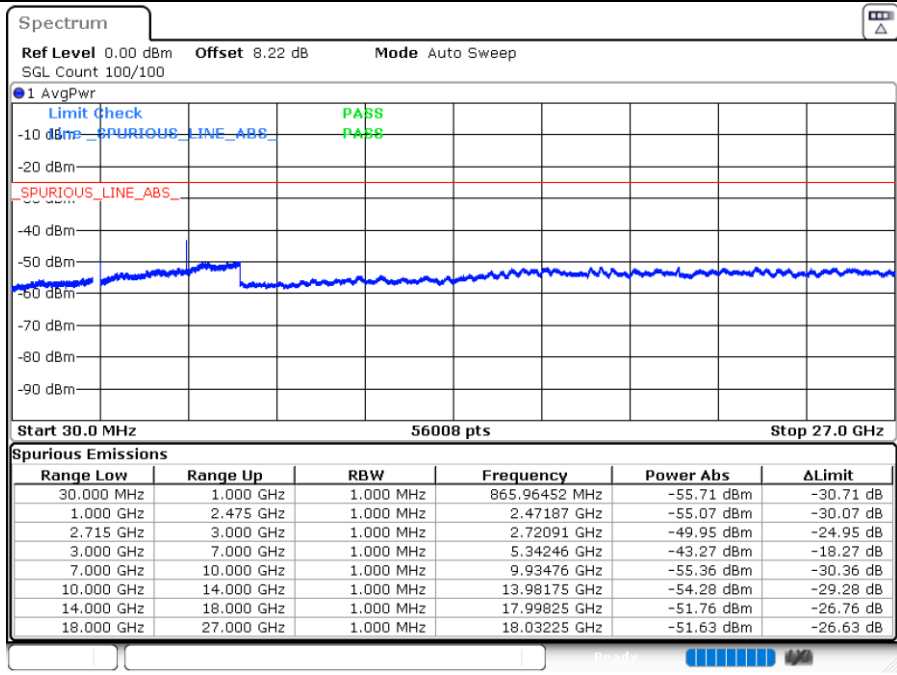
Middle Channel / QPSK



Date: 1.FEB.2024 10:51:46

Date: 1.FEB.2024 11:01:12

Highest Channel / QPSK



Date: 1.FEB.2024 11:02:52



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	0.0014	PASS
40	Normal Voltage	0.0092	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0104	
-30	Normal Voltage	0.0081	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0051	

Note:

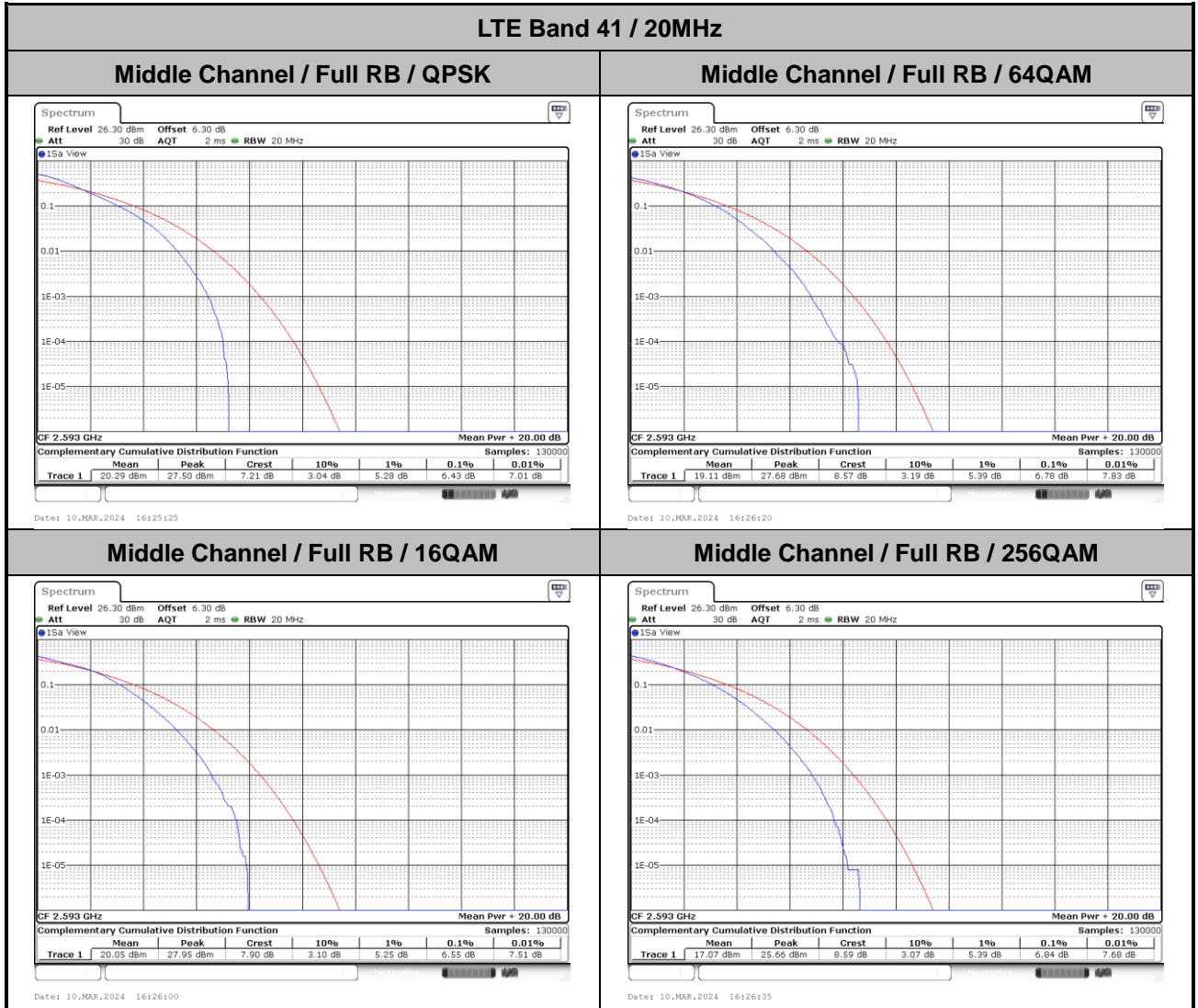
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41(Other PA)

Peak-to-Average Ratio

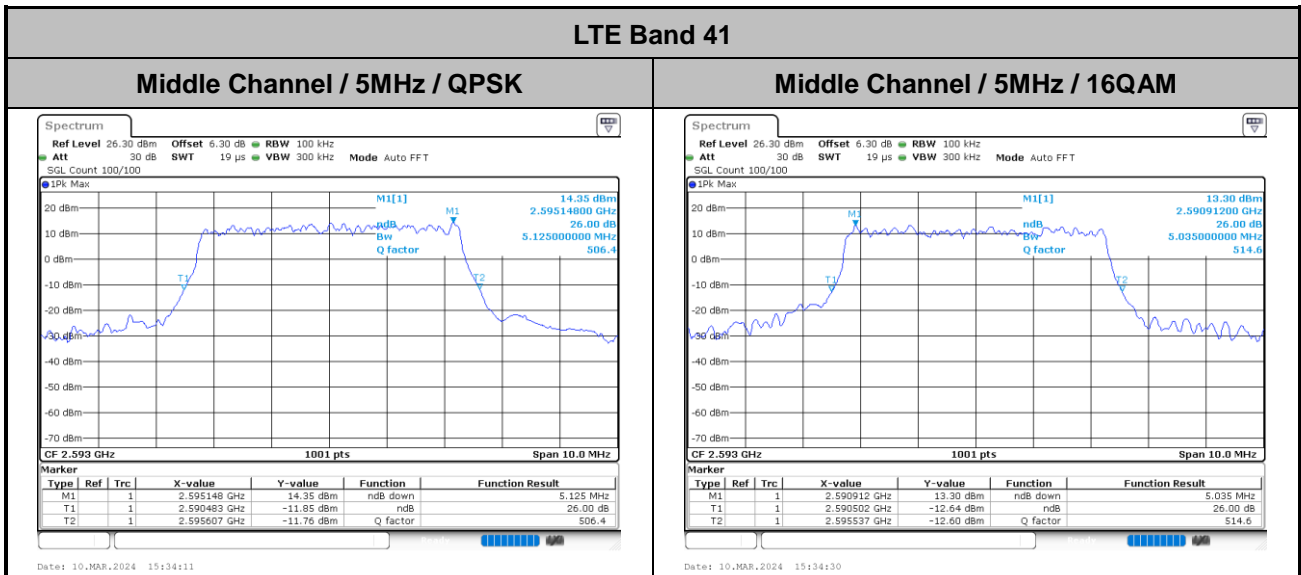
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.43	6.55	6.78	6.84	PASS





26dB Bandwidth

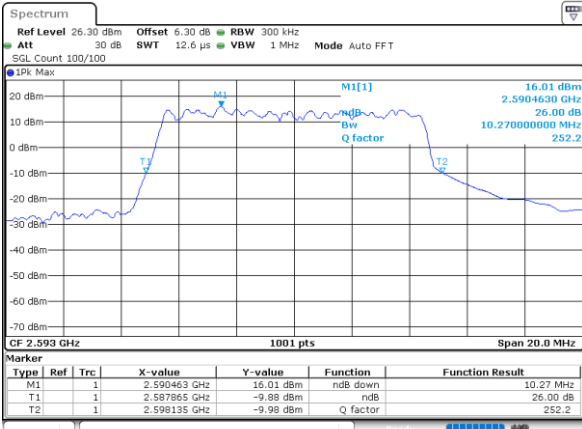
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.13	5.04
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.27	9.99
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.78	14.48
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.74	19.06





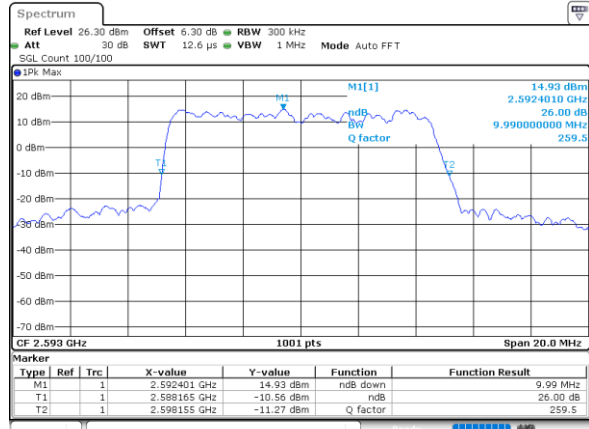
LTE Band 41

Middle Channel / 10MHz / QPSK



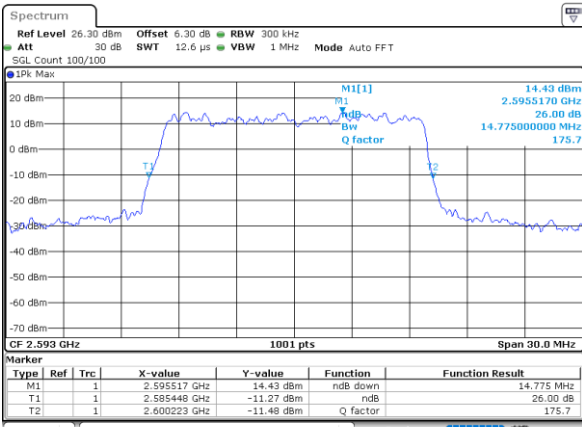
Date: 10_MAR_2024 15:35:14

Middle Channel / 10MHz / 16QAM



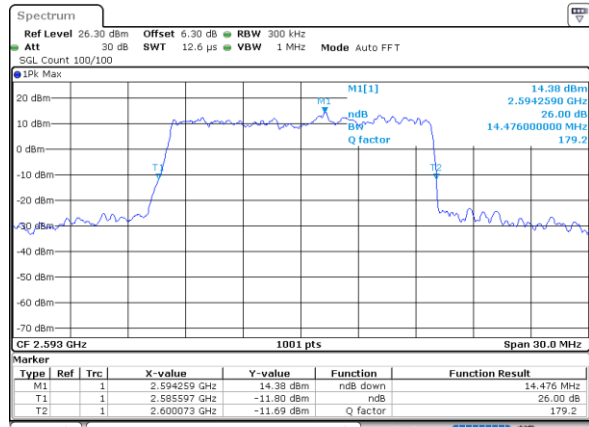
Date: 10_MAR_2024 15:36:03

Middle Channel / 15MHz / QPSK



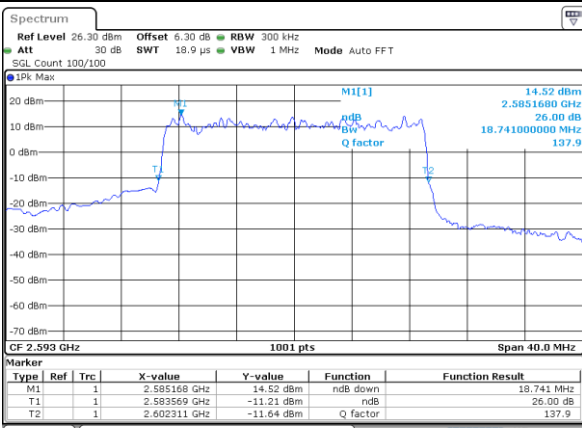
Date: 10_MAR_2024 16:20:50

Middle Channel / 15MHz / 16QAM



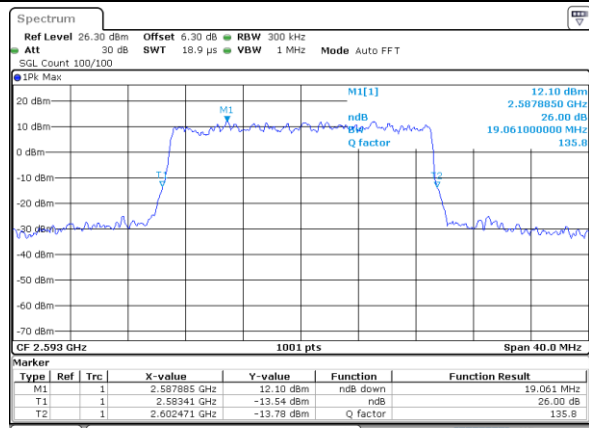
Date: 10_MAR_2024 16:21:08

Middle Channel / 20MHz / QPSK



Date: 10_MAR_2024 16:25:05

Middle Channel / 20MHz / 16QAM

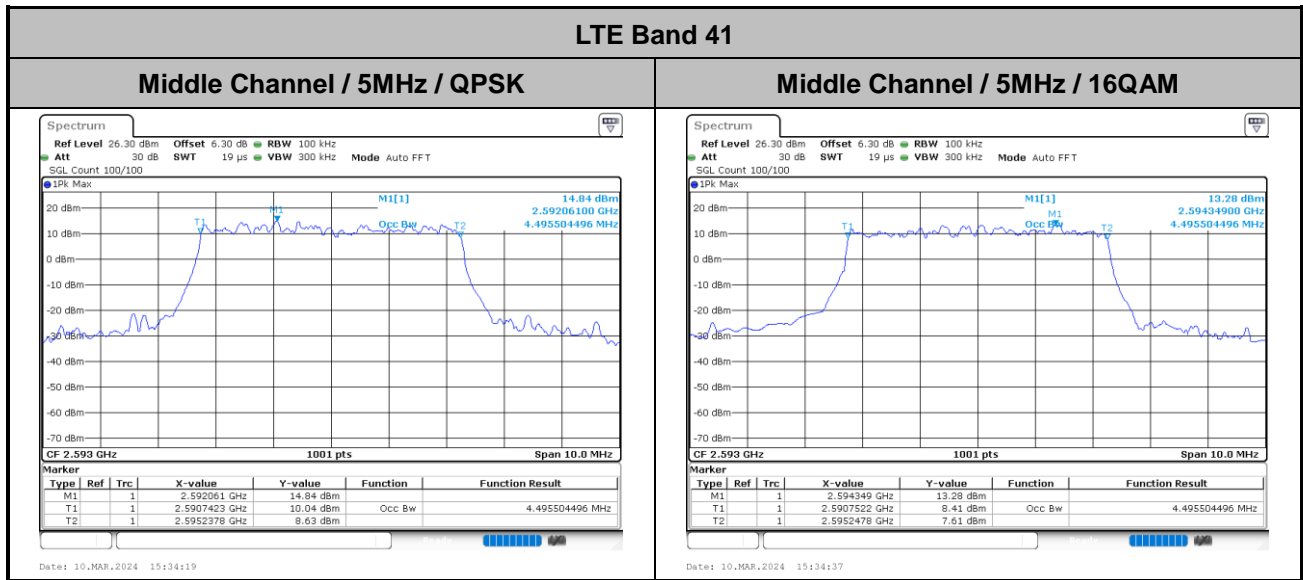


Date: 10_MAR_2024 16:25:13



Occupied Bandwidth

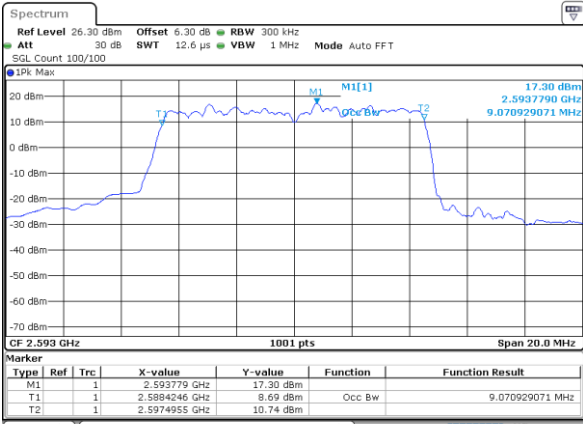
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	9.09
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.52
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.94





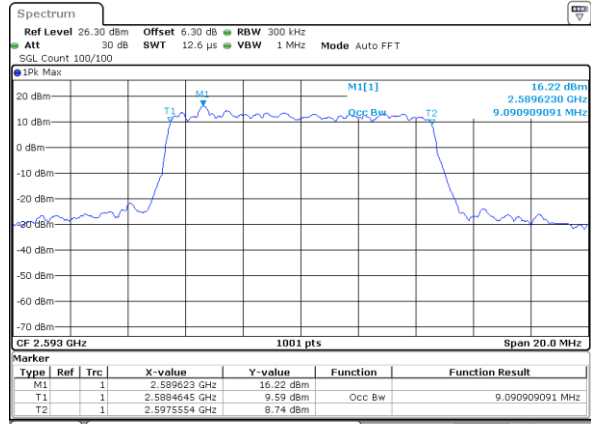
LTE Band 41

Middle Channel / 10MHz / QPSK



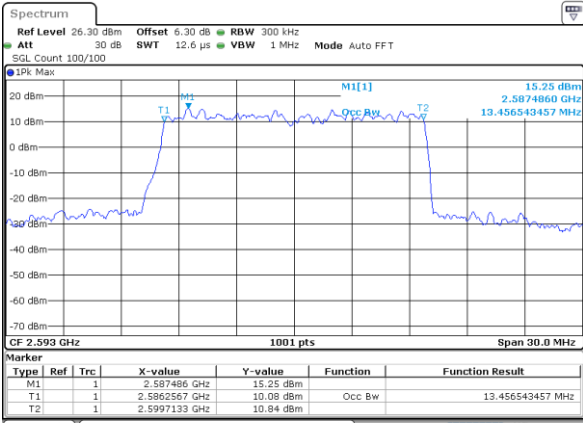
Date: 10_MAR_2024 15:35:44

Middle Channel / 10MHz / 16QAM



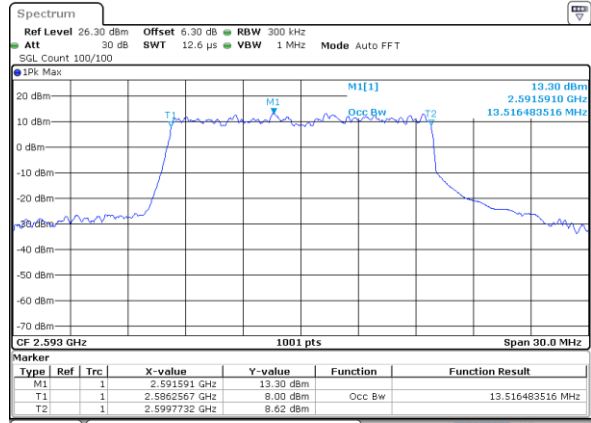
Date: 10_MAR_2024 15:35:54

Middle Channel / 15MHz / QPSK



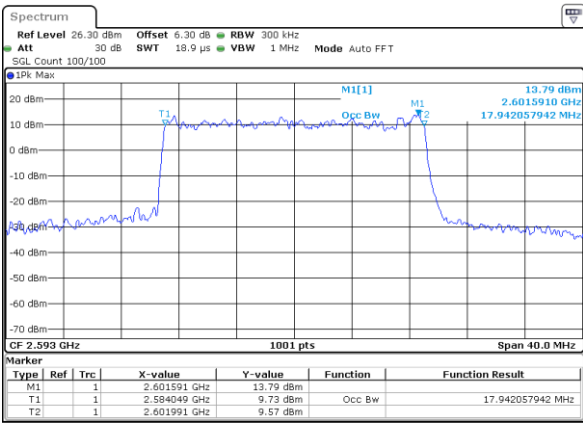
Date: 10_MAR_2024 16:20:58

Middle Channel / 15MHz / 16QAM



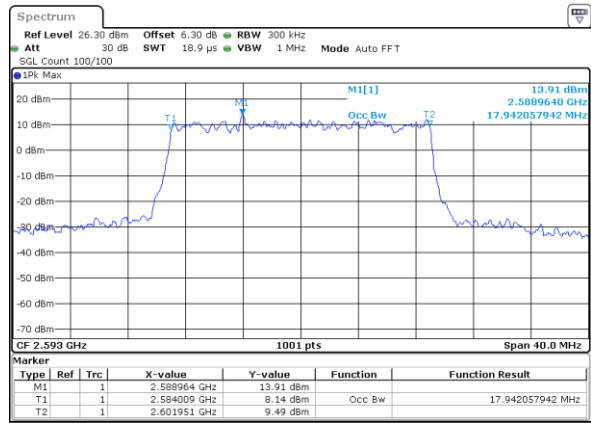
Date: 10_MAR_2024 16:21:14

Middle Channel / 20MHz / QPSK



Date: 10_MAR_2024 16:25:13

Middle Channel / 20MHz / 16QAM



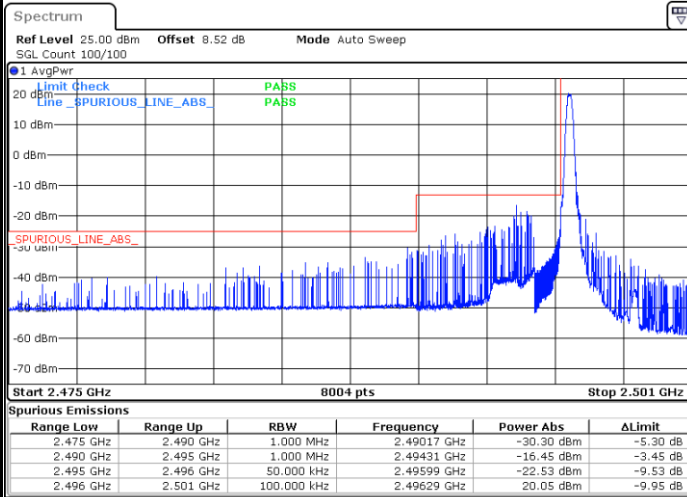
Date: 10_MAR_2024 16:25:45



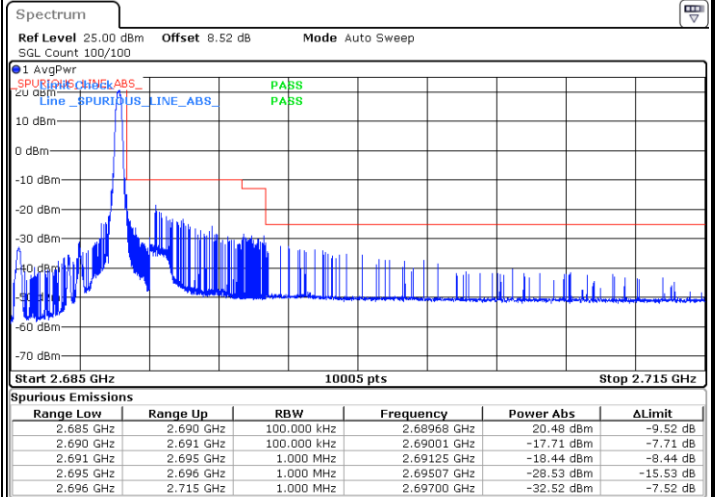
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

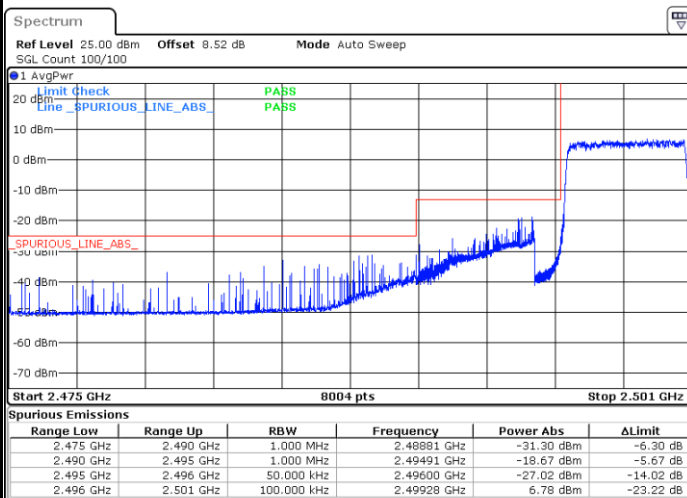
Lowest Band Edge / 1 RB



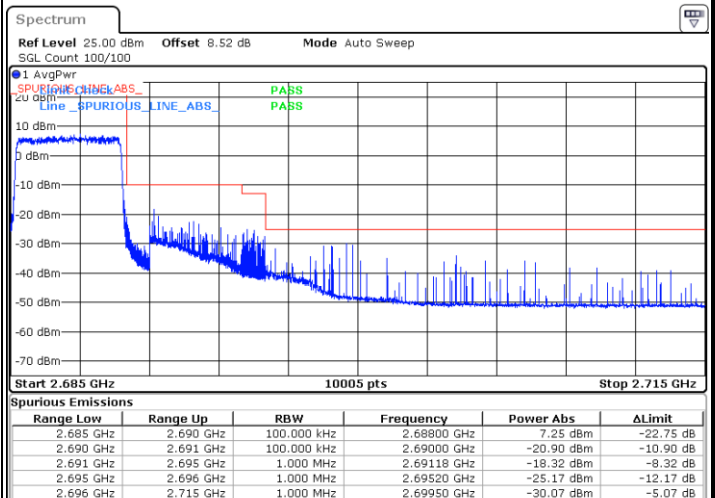
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



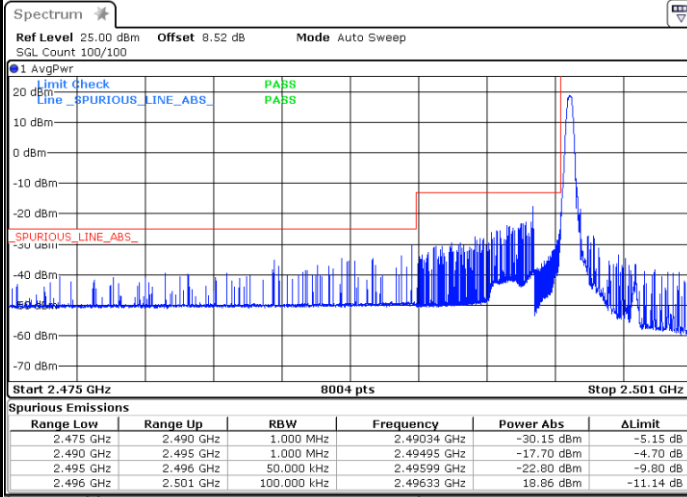
Highest Band Edge / Full RB





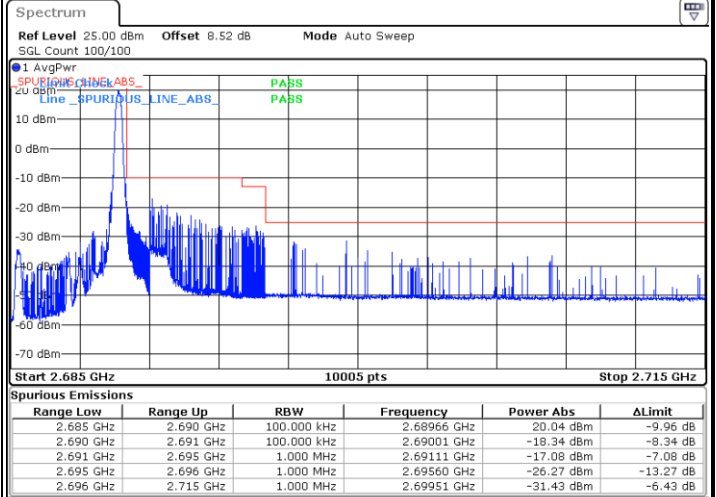
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



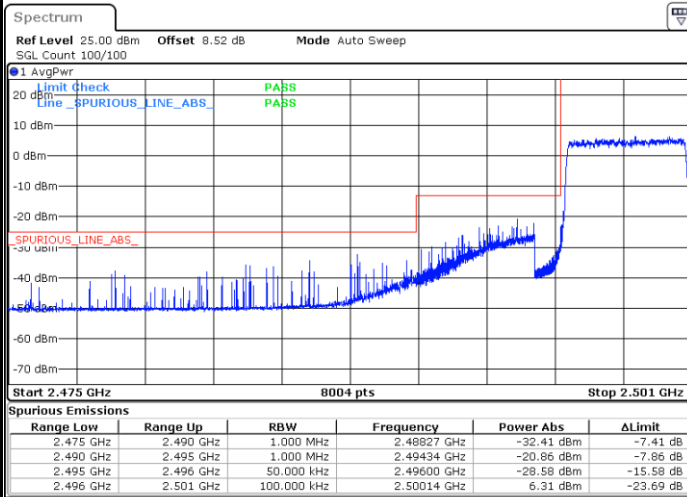
Date: 10.MAR.2024 15:03:26

Highest Band Edge / 1 RB



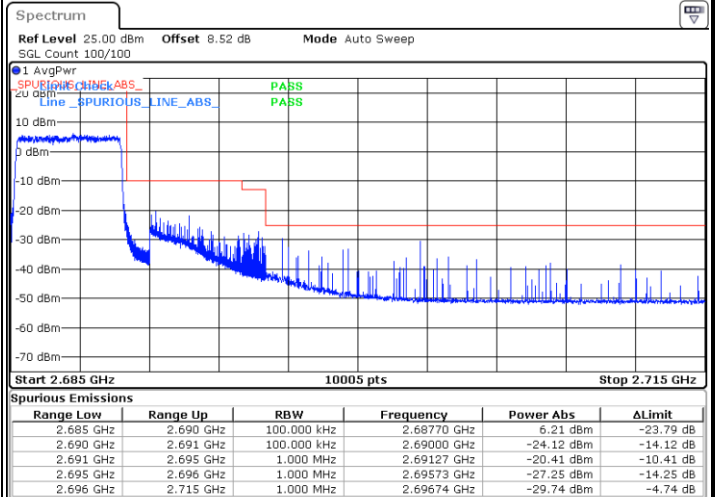
Date: 10.MAR.2024 15:25:42

Lowest Band Edge / Full RB



Date: 10.MAR.2024 15:06:26

Highest Band Edge / Full RB



Date: 10.MAR.2024 15:32:41