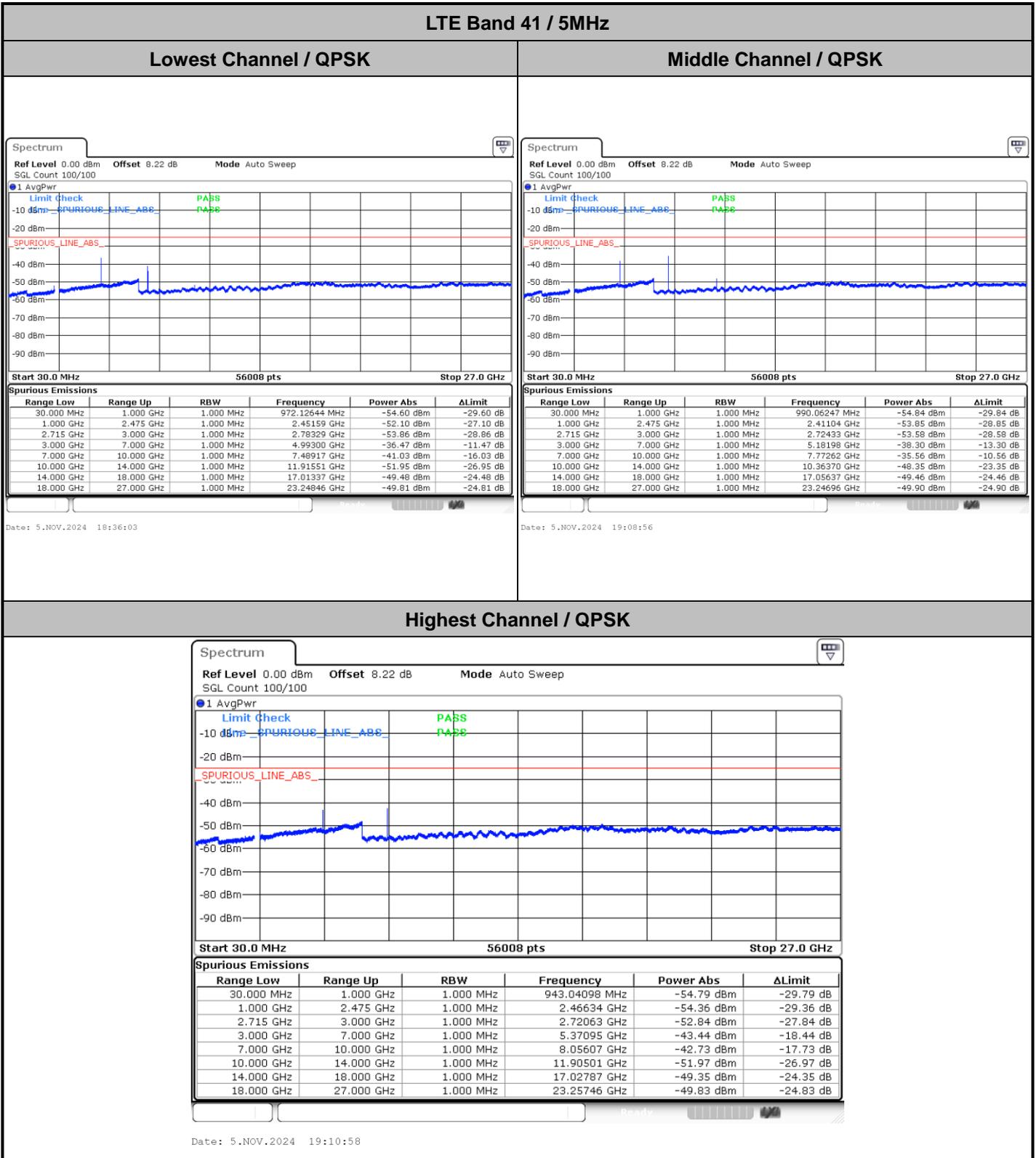




Conducted Spurious Emission

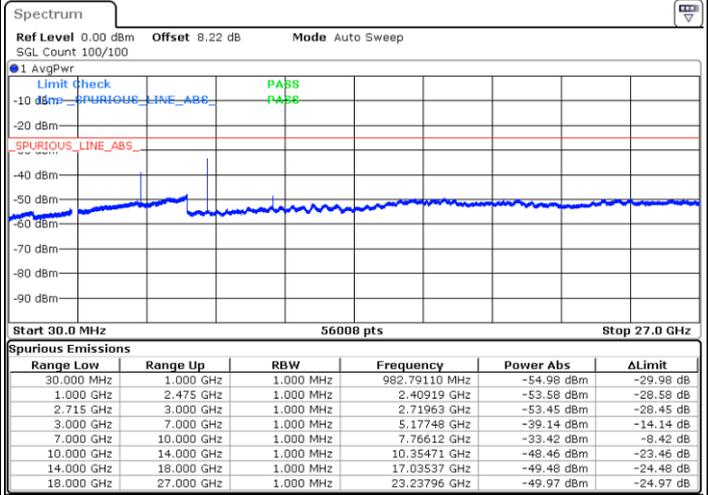
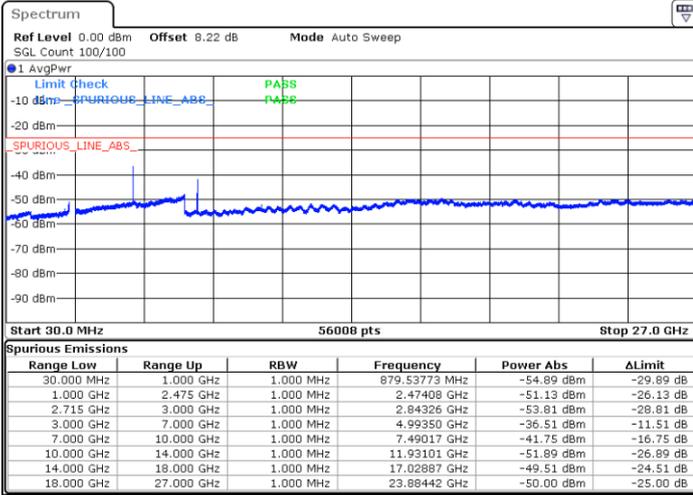




LTE Band 41 / 10MHz

Lowest Channel / QPSK

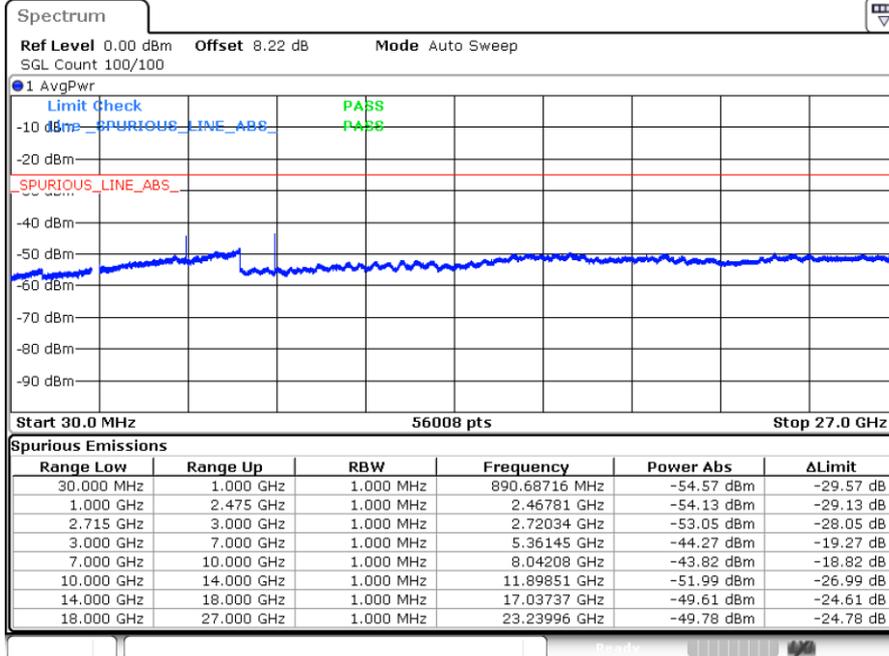
Middle Channel / QPSK



Date: 5.NOV.2024 19:27:22

Date: 5.NOV.2024 19:43:54

Highest Channel / QPSK



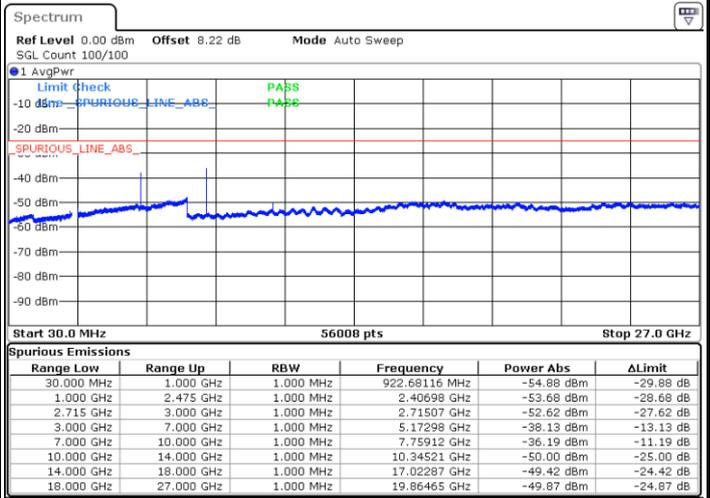
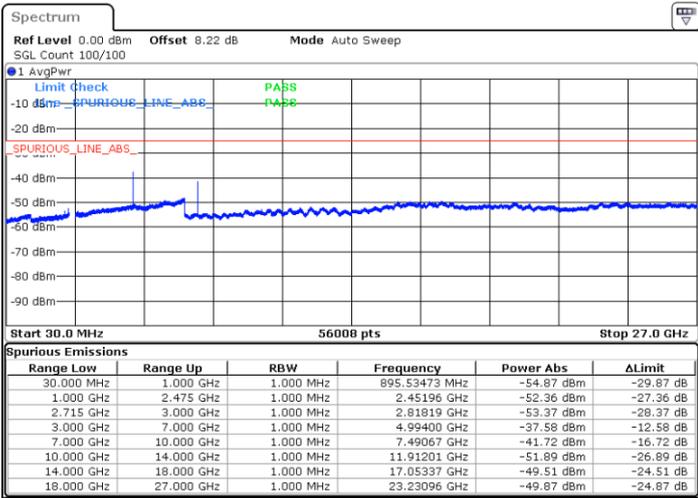
Date: 5.NOV.2024 19:45:56



LTE Band 41 / 15MHz

Lowest Channel / QPSK

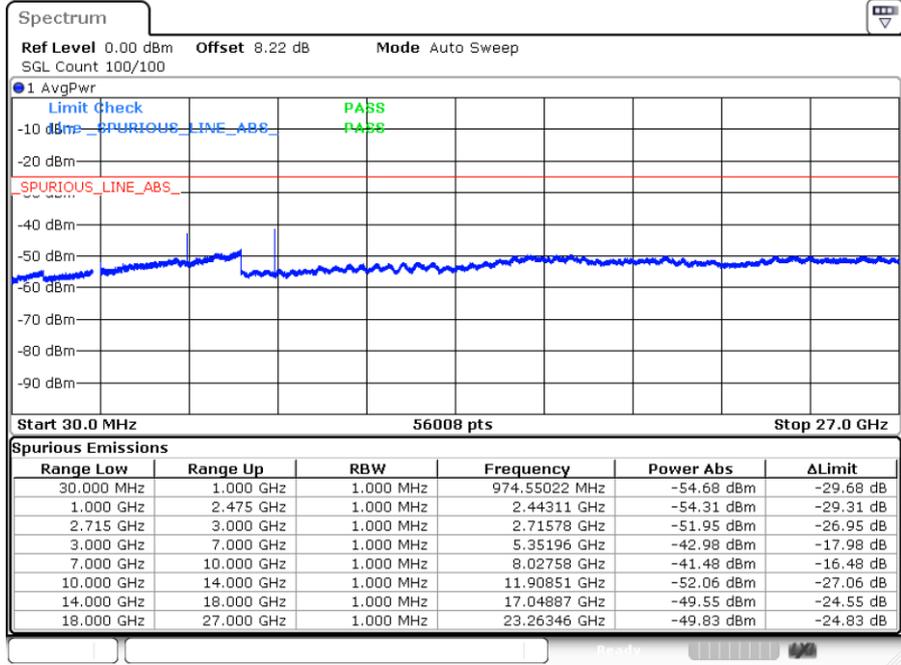
Middle Channel / QPSK



Date: 5.NOV.2024 20:02:20

Date: 5.NOV.2024 20:18:51

Highest Channel / QPSK



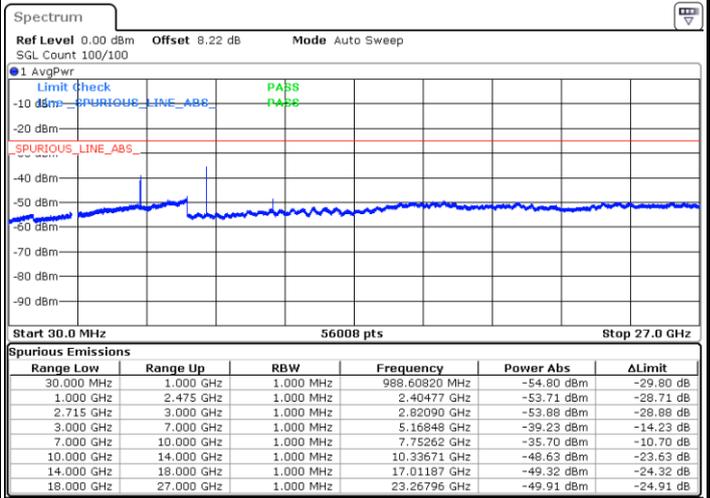
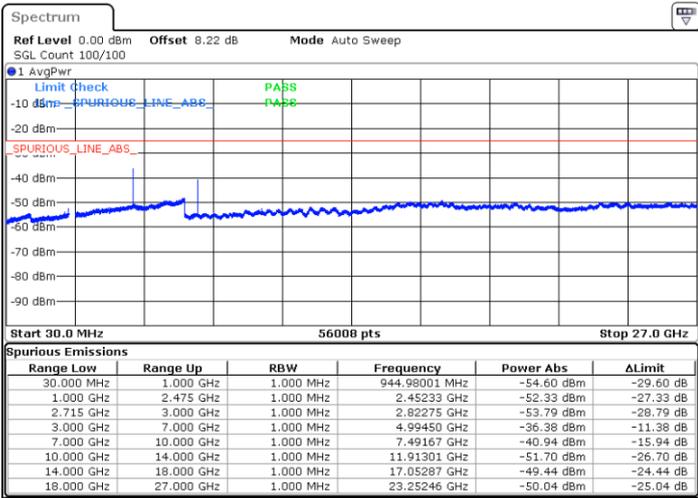
Date: 5.NOV.2024 20:20:53



LTE Band 41 / 20MHz

Lowest Channel / QPSK

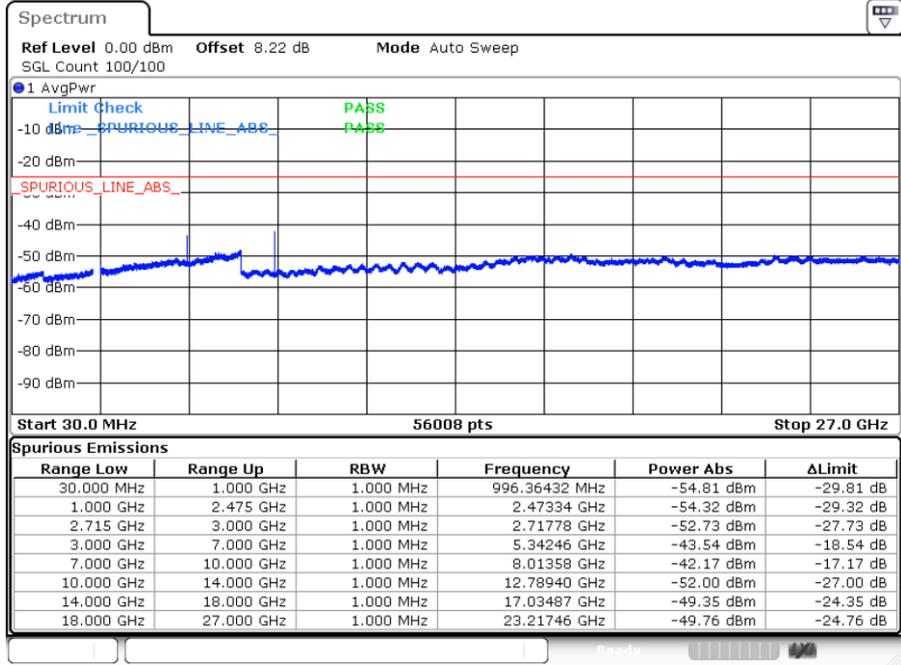
Middle Channel / QPSK



Date: 5.NOV.2024 20:37:16

Date: 5.NOV.2024 20:53:48

Highest Channel / QPSK



Date: 5.NOV.2024 20:55:50



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	0.0021	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0069	
20	Battery End Point	0.0046	

Note:

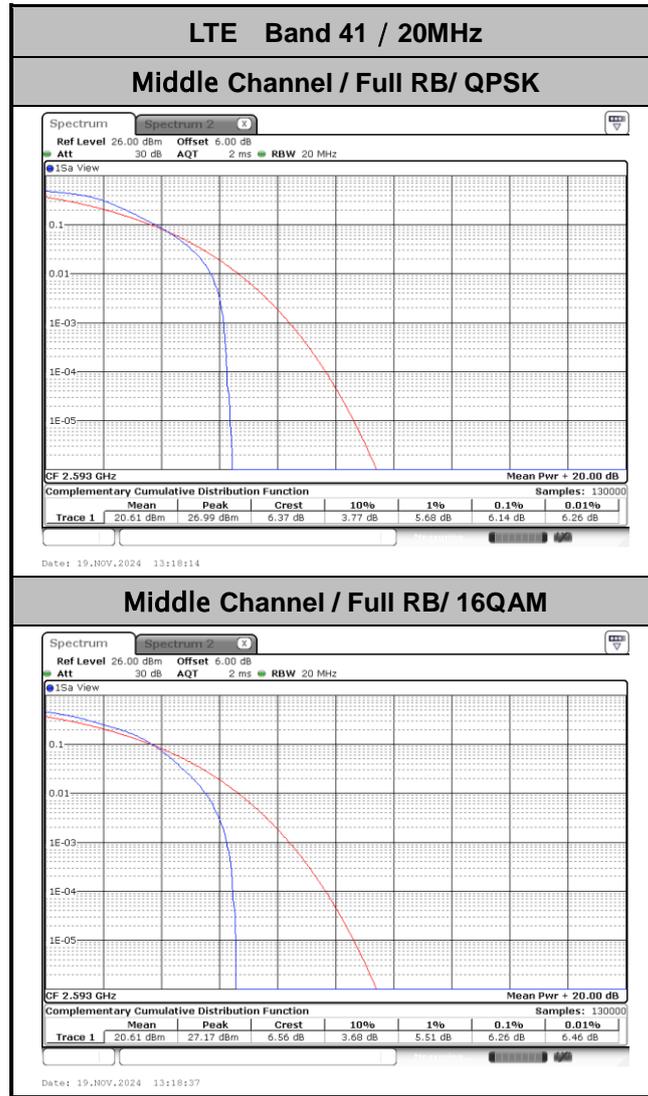
1. Normal Voltage =3.69 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.1V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

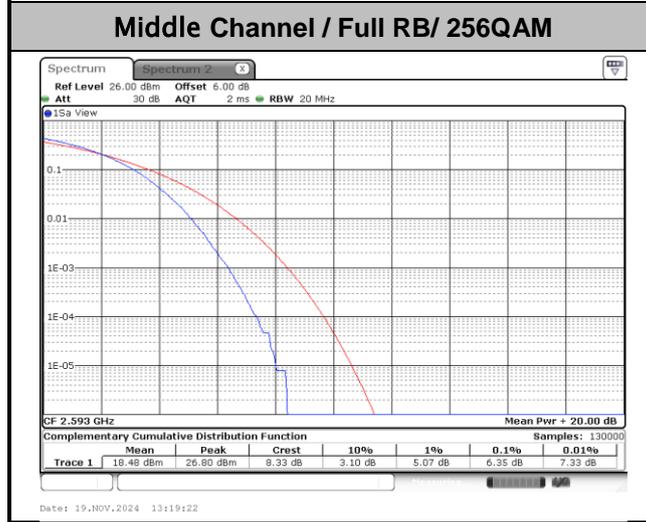
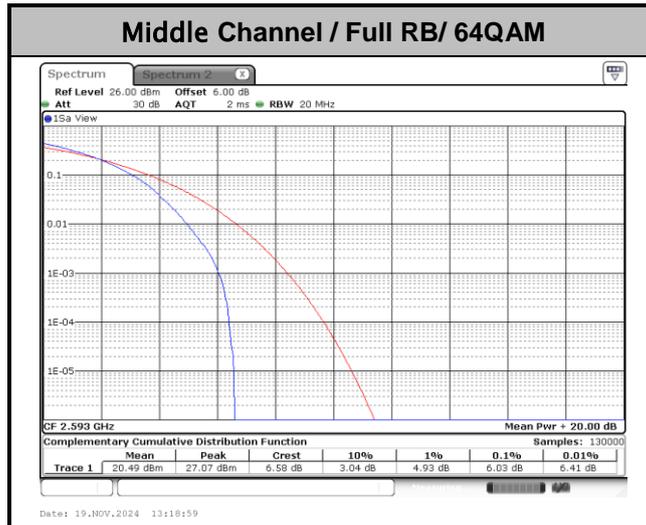


LTE Band 41(Other PA1)

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	6.14	6.26	6.03	6.35	PASS



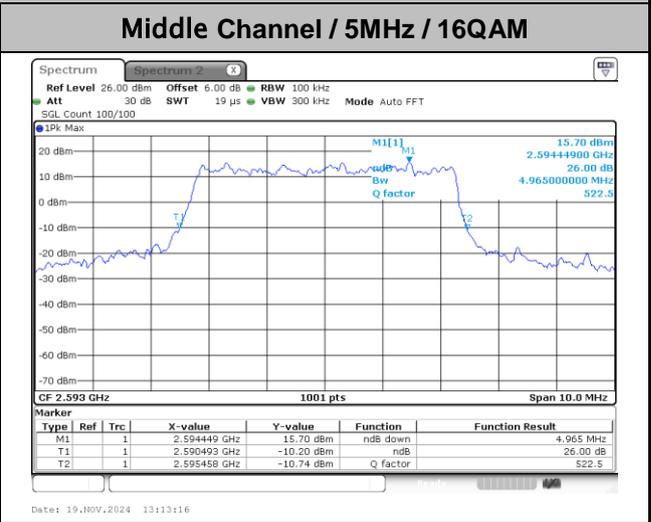
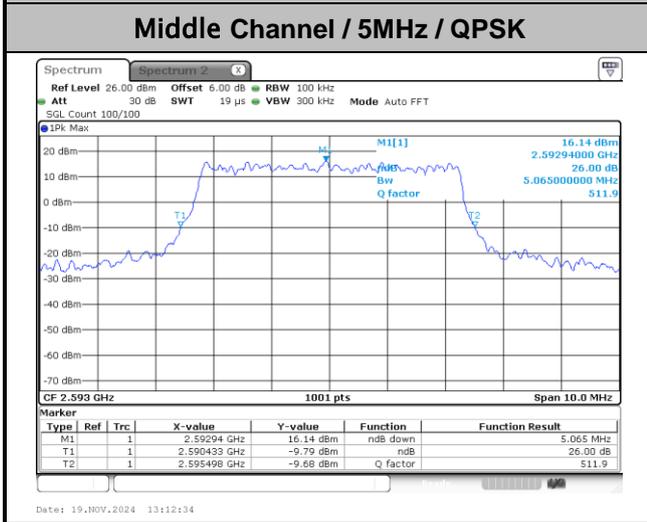




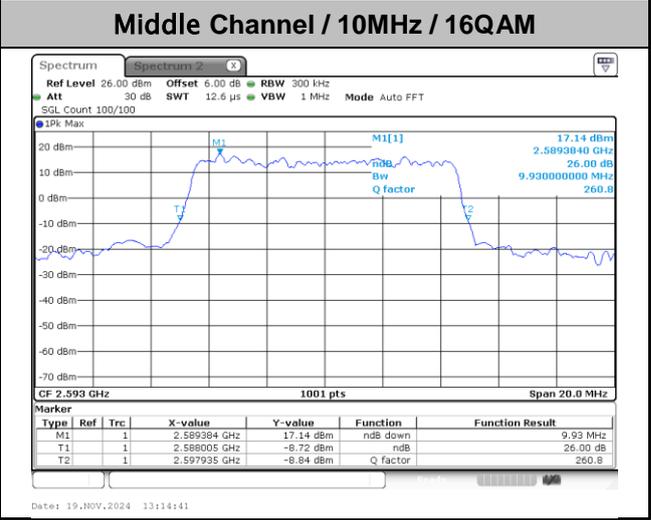
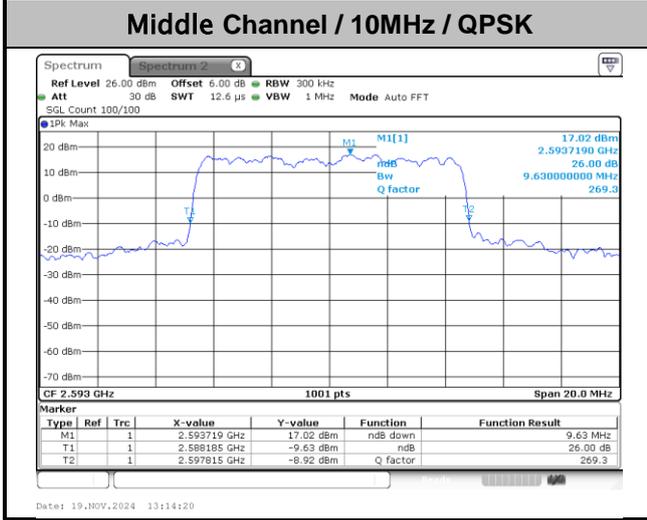
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.07	4.97	9.63	9.93	14.30	14.42	19.18	18.94

LTE Band 41



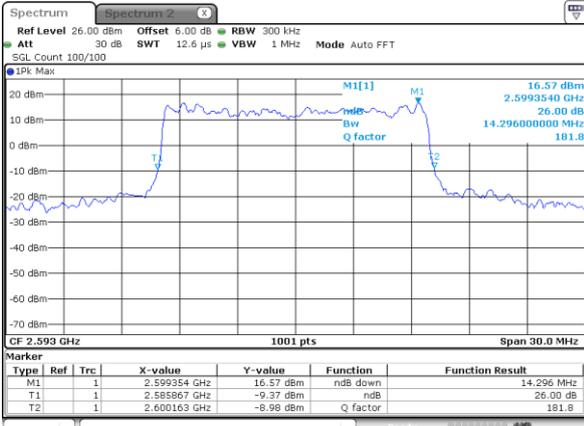
LTE Band 41





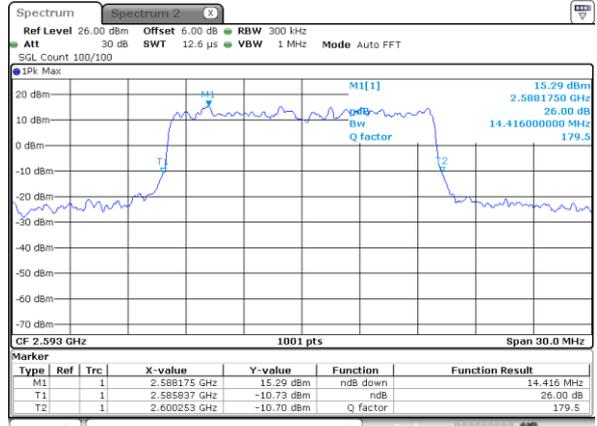
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 19.NOV.2024 13:15:45

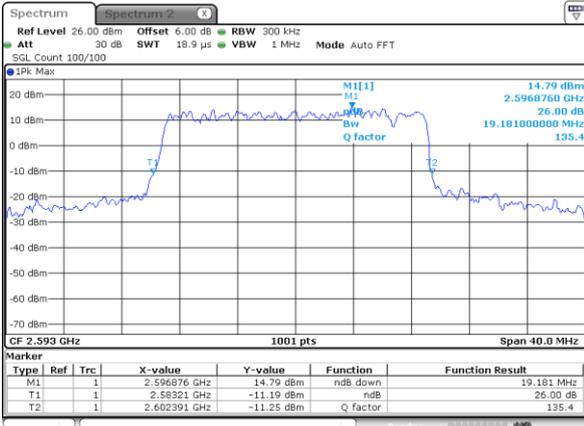
Middle Channel / 15MHz / 16QAM



Date: 19.NOV.2024 13:16:06

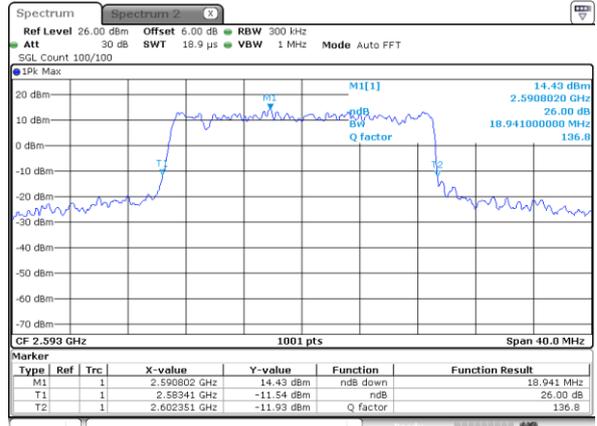
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 19.NOV.2024 13:17:10

Middle Channel / 20MHz / 16QAM

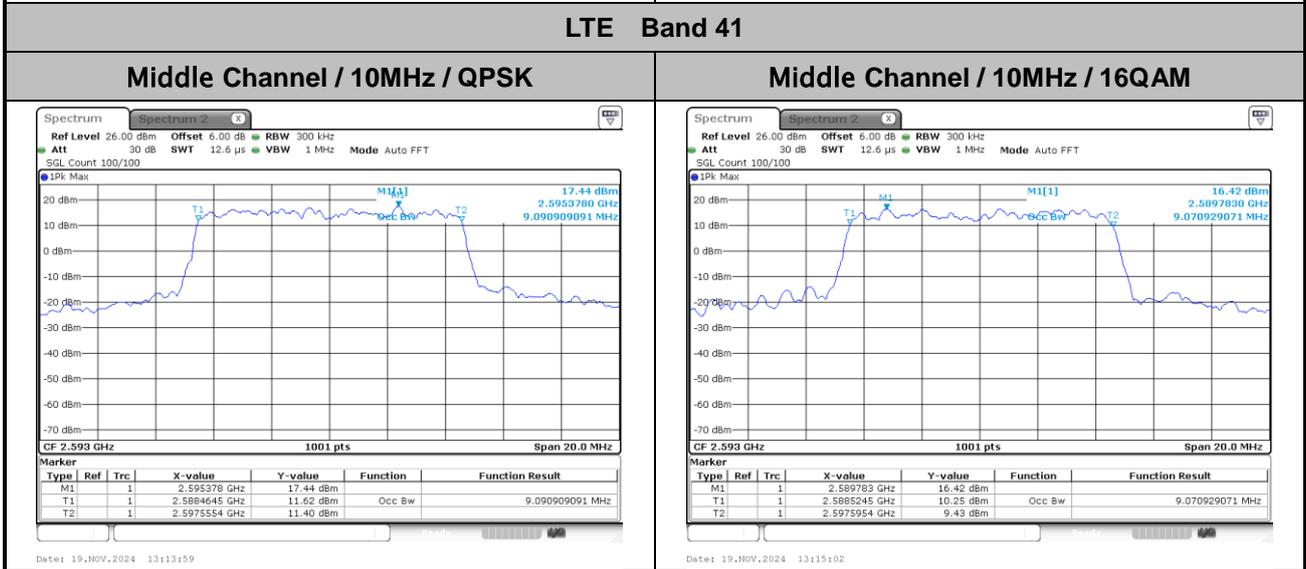
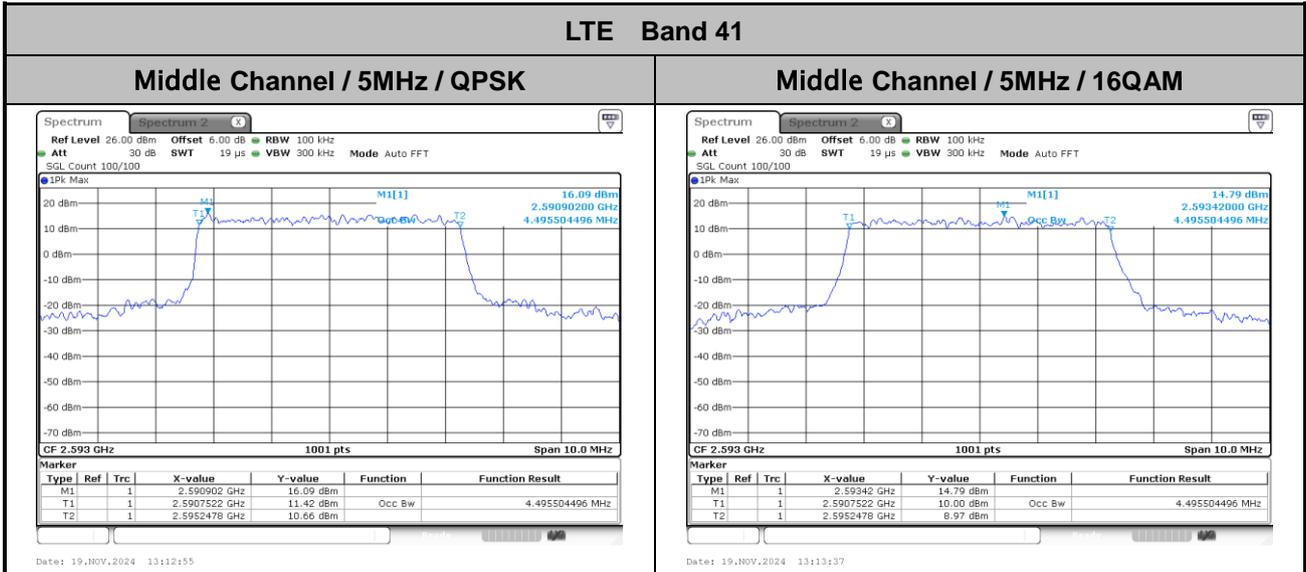


Date: 19.NOV.2024 13:17:31



Occupied Bandwidth

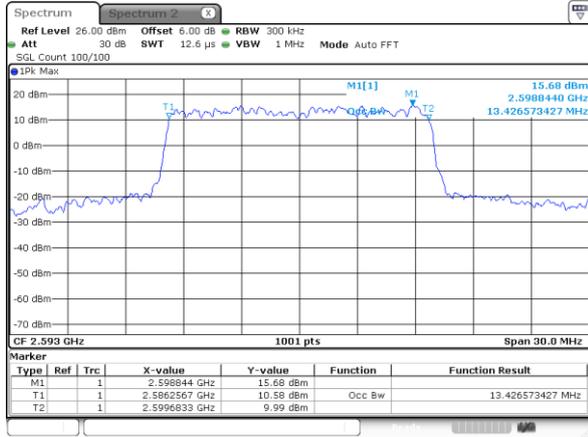
Mode	LTE Band 41 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.50	4.50	9.09	9.07	13.43	13.46	17.90	17.90





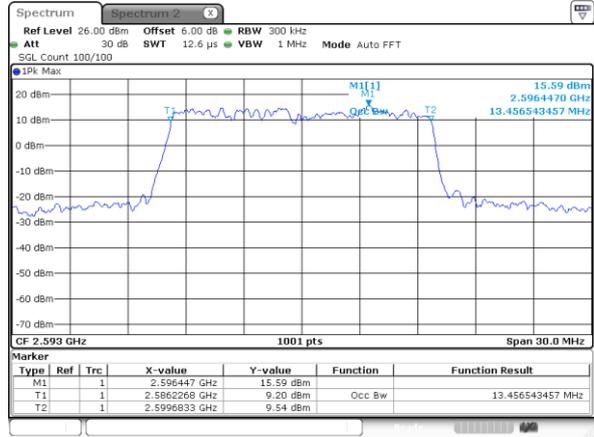
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 19.NOV.2024 13:15:24

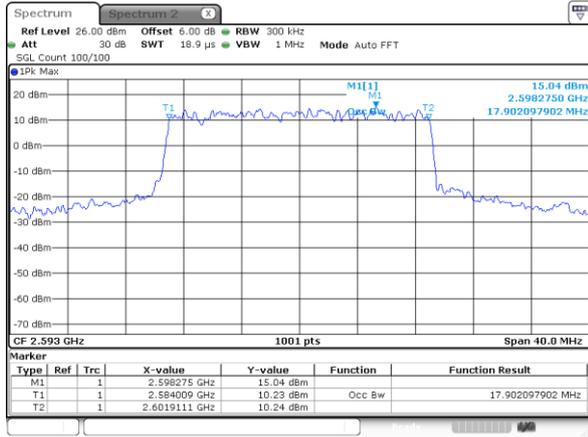
Middle Channel / 15MHz / 16QAM



Date: 19.NOV.2024 13:16:27

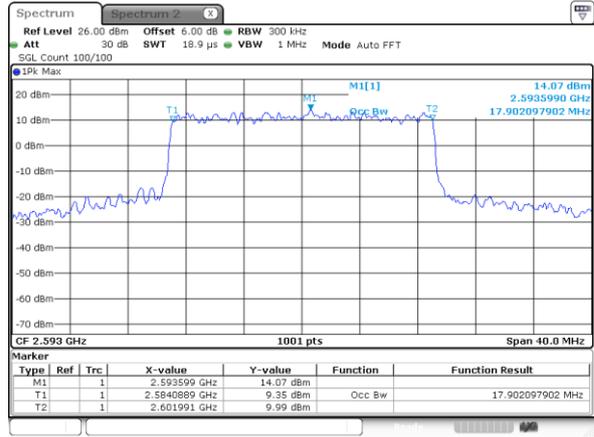
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 19.NOV.2024 13:16:49

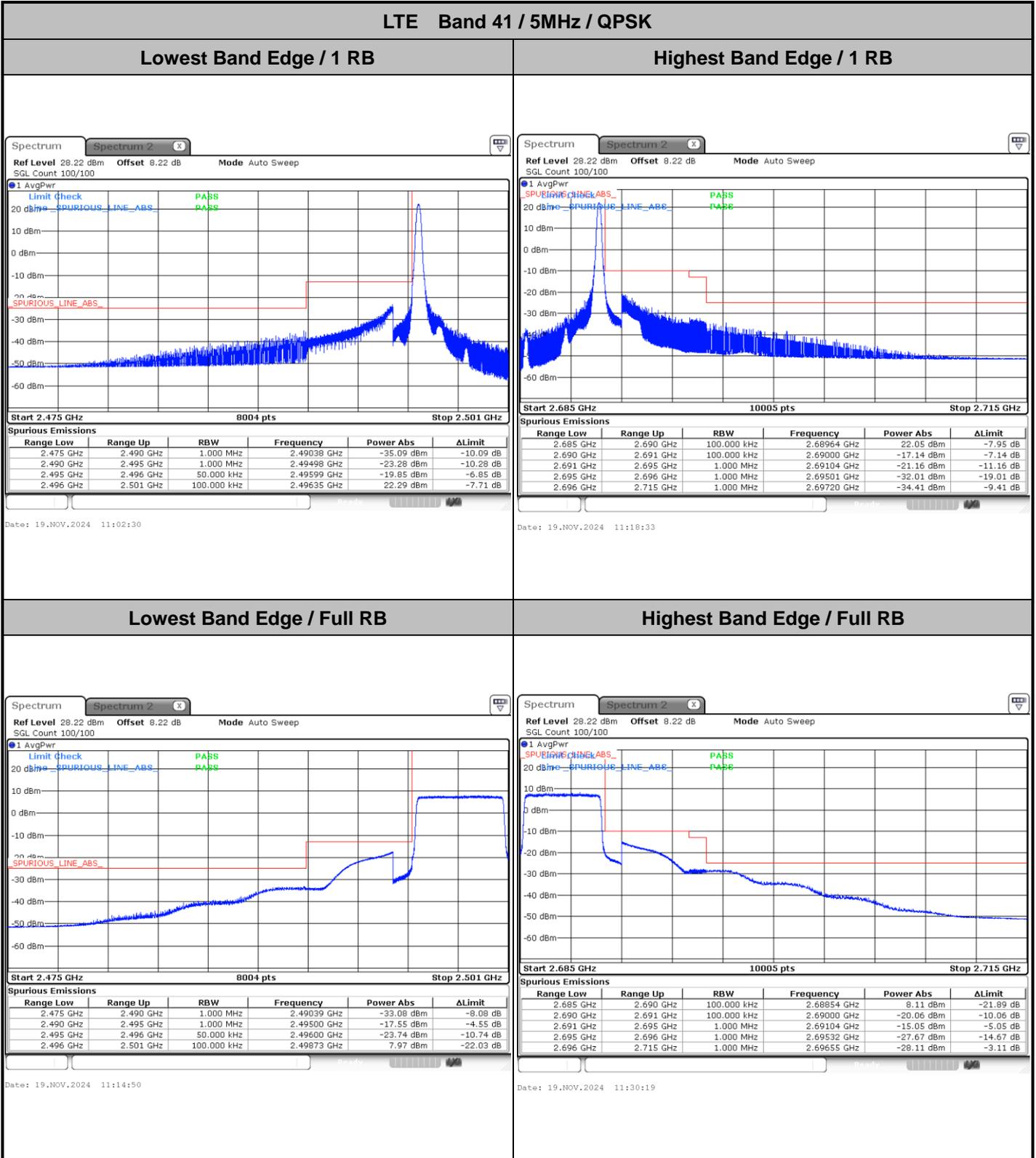
Middle Channel / 20MHz / 16QAM



Date: 19.NOV.2024 13:17:52



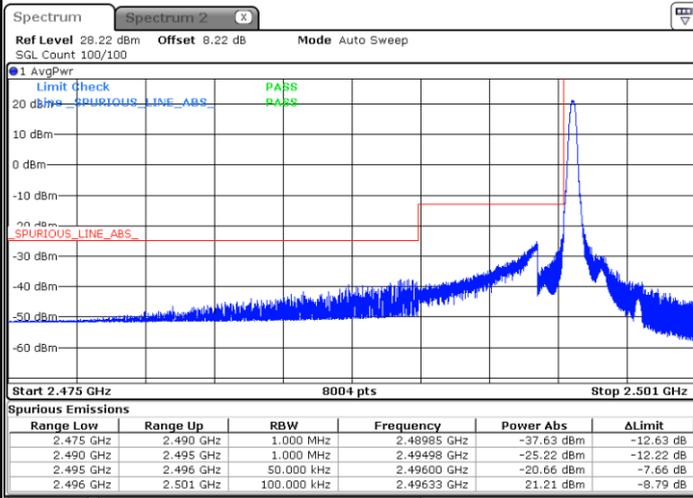
Conducted Band Edge





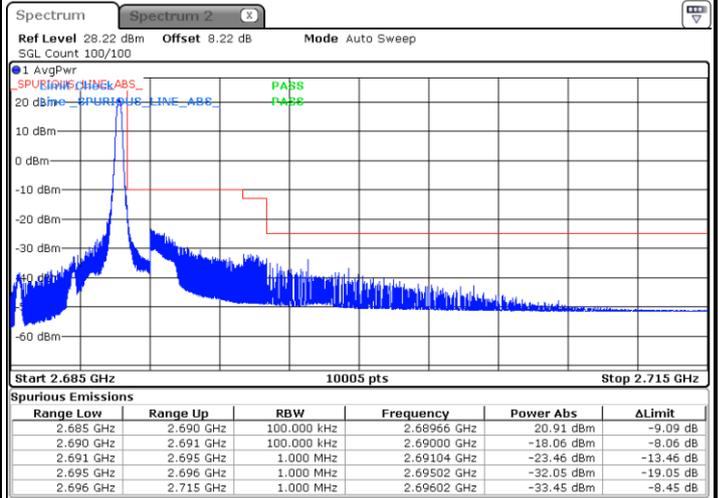
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



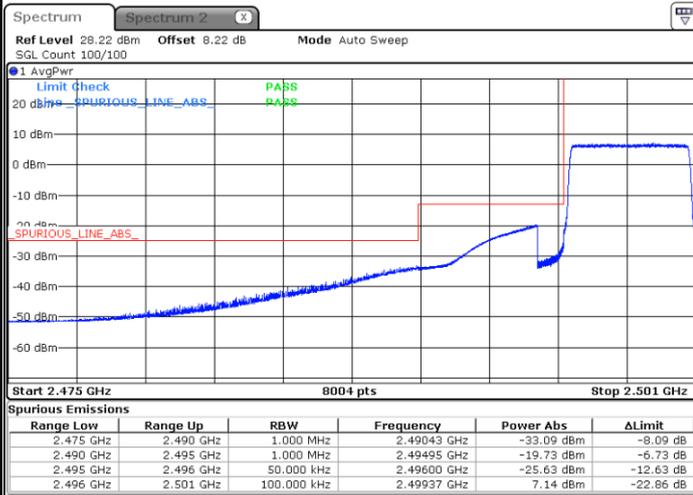
Date: 19.NOV.2024 11:04:15

Highest Band Edge / 1 RB



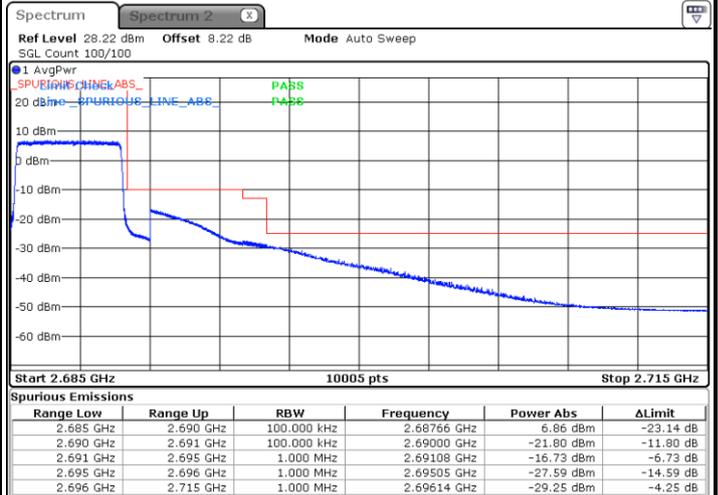
Date: 19.NOV.2024 11:20:14

Lowest Band Edge / Full RB



Date: 19.NOV.2024 11:13:04

Highest Band Edge / Full RB

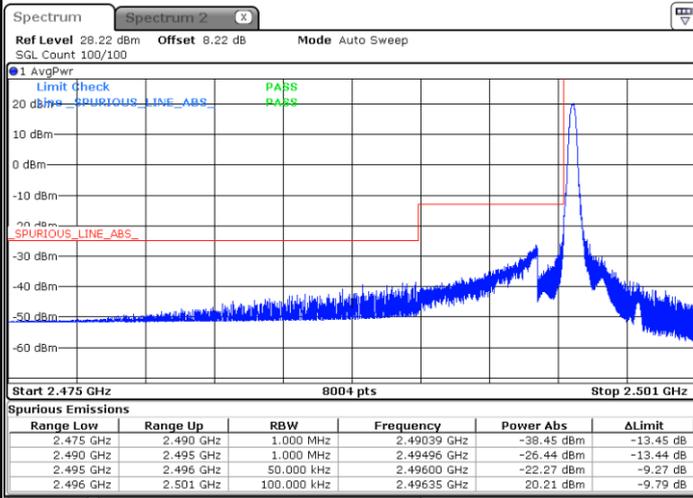


Date: 19.NOV.2024 11:28:38



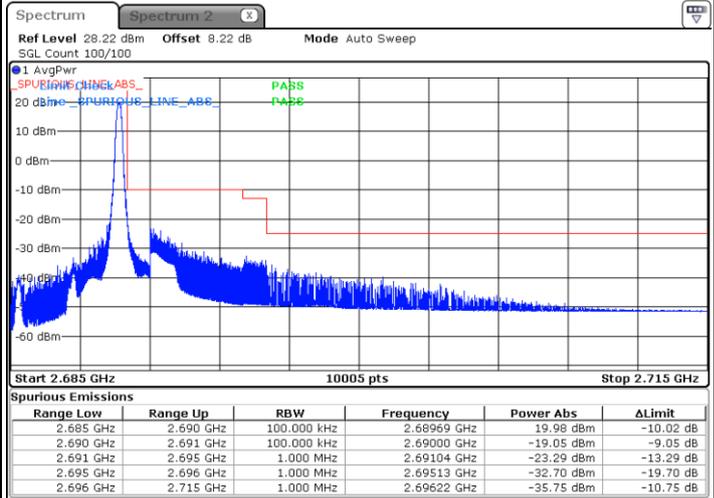
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



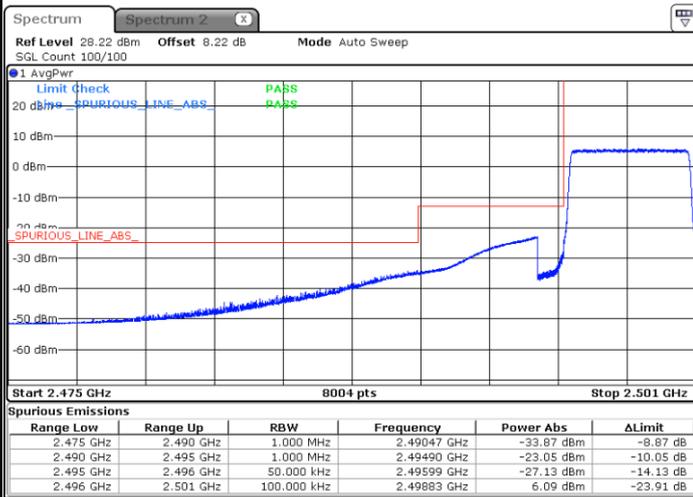
Date: 19.NOV.2024 11:06:01

Highest Band Edge / 1 RB



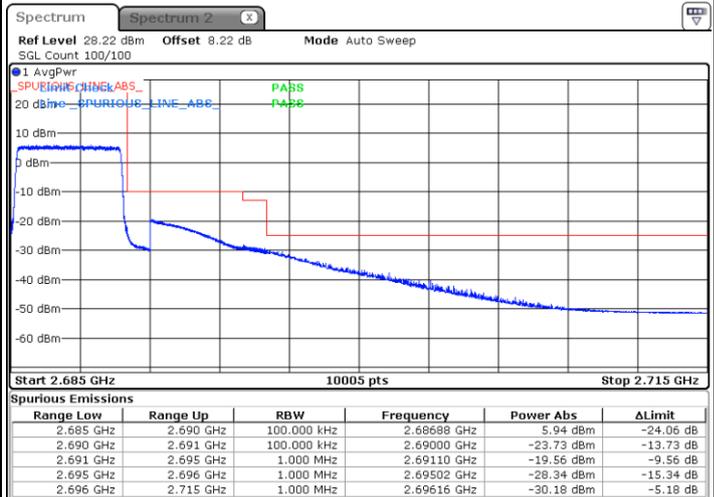
Date: 19.NOV.2024 11:21:55

Lowest Band Edge / Full RB



Date: 19.NOV.2024 11:11:18

Highest Band Edge / Full RB

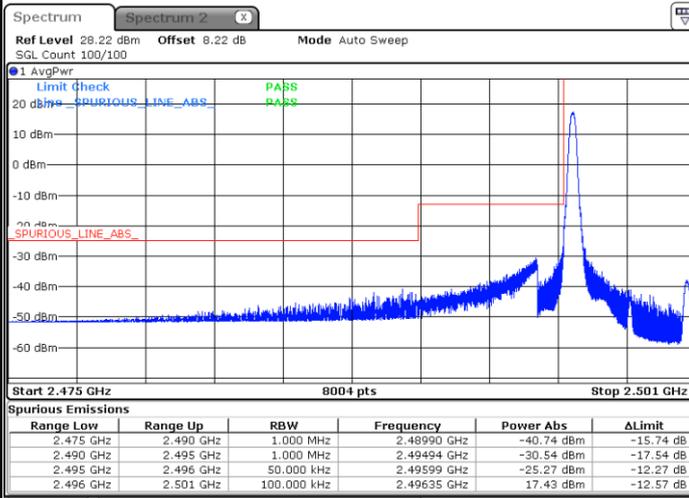


Date: 19.NOV.2024 11:26:58



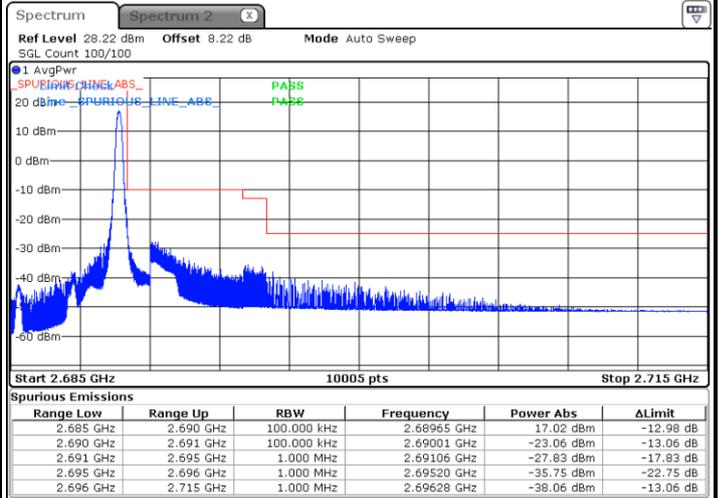
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



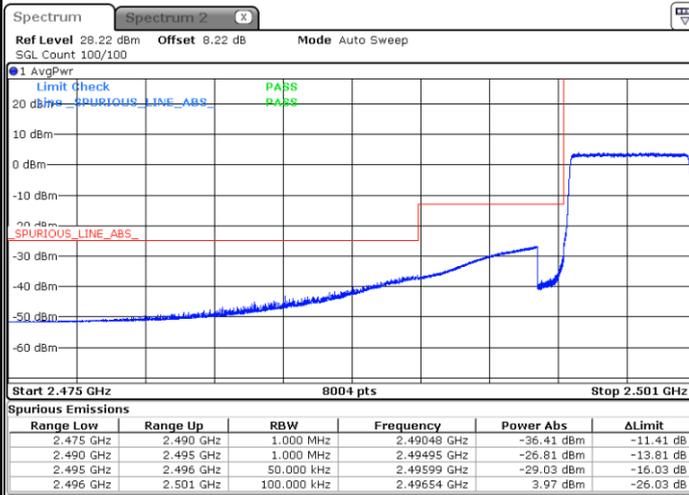
Date: 19.NOV.2024 11:07:47

Highest Band Edge / 1 RB



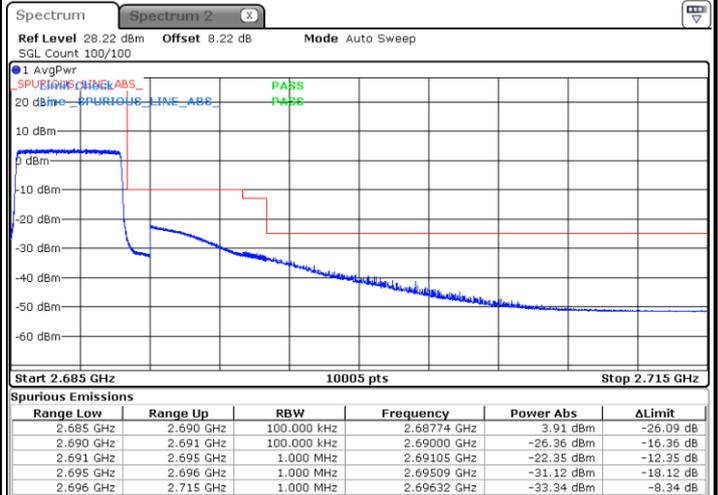
Date: 19.NOV.2024 11:23:36

Lowest Band Edge / Full RB



Date: 19.NOV.2024 11:09:33

Highest Band Edge / Full RB

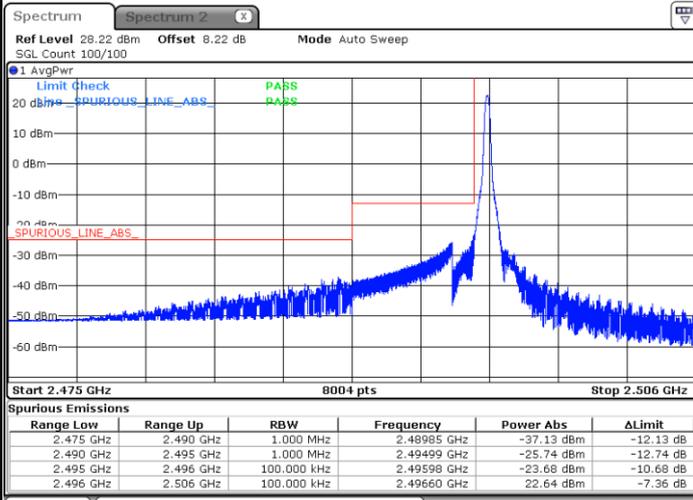


Date: 19.NOV.2024 11:25:17



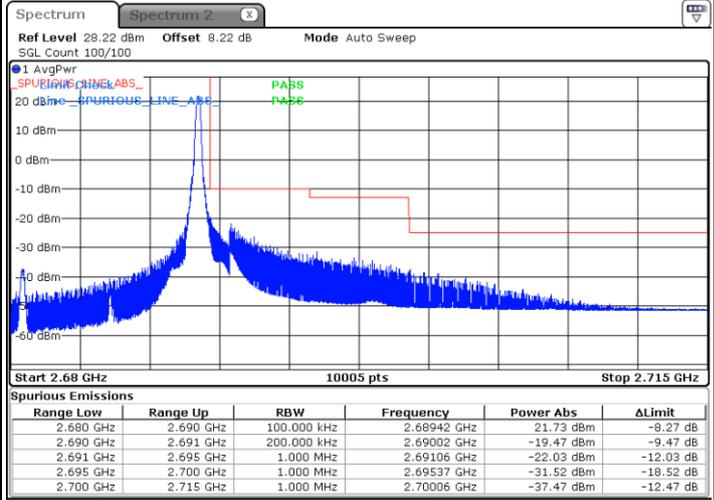
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



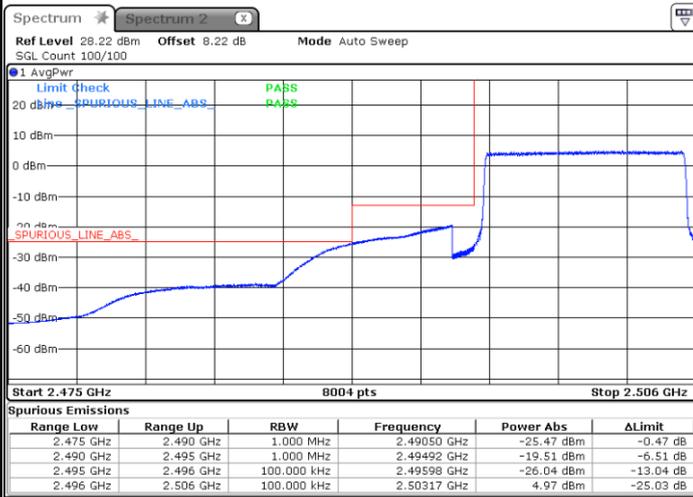
Date: 19.NOV.2024 11:33:07

Highest Band Edge / 1 RB



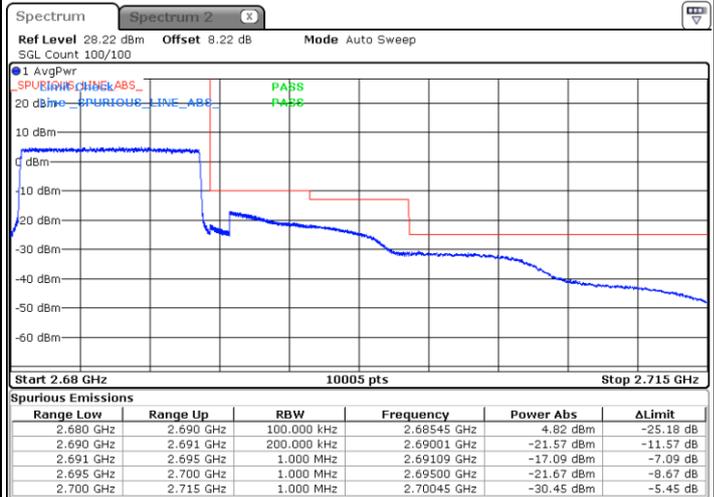
Date: 19.NOV.2024 11:49:12

Lowest Band Edge / Full RB

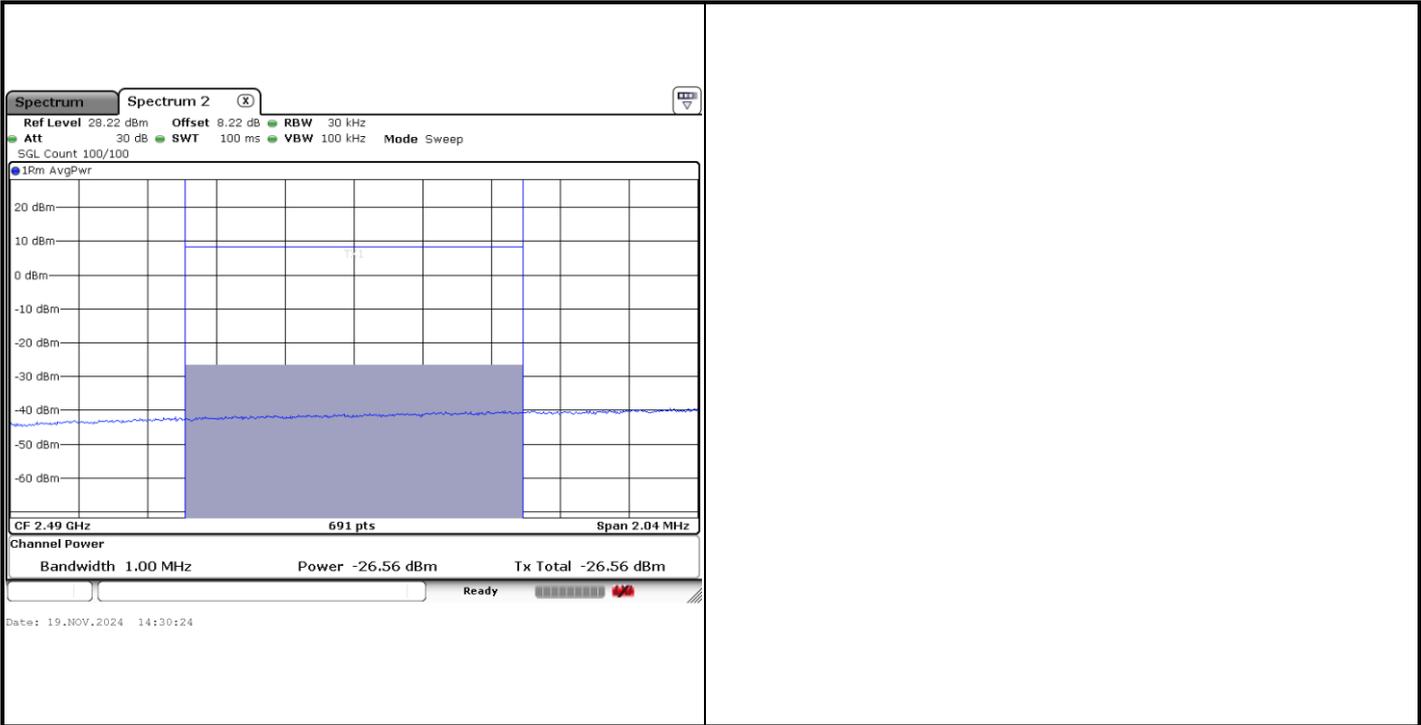


Date: 19.NOV.2024 14:27:13

Highest Band Edge / Full RB



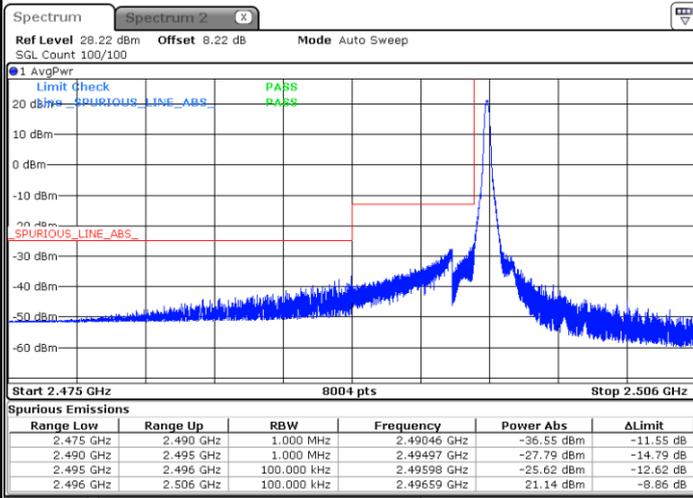
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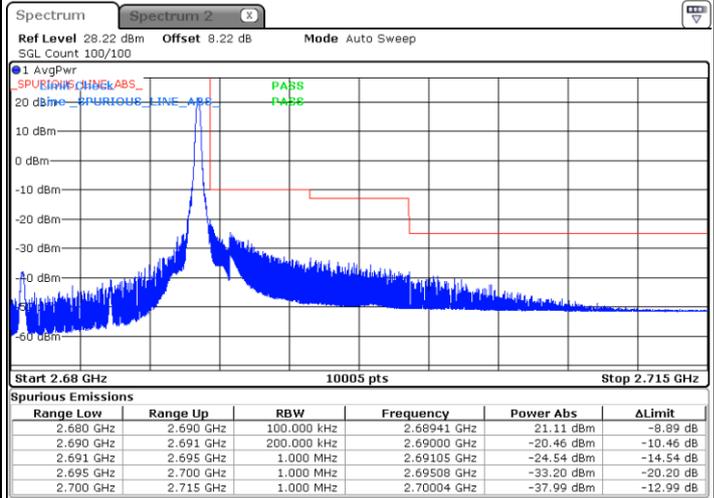
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 19.NOV.2024 11:34:53

Highest Band Edge / 1 RB



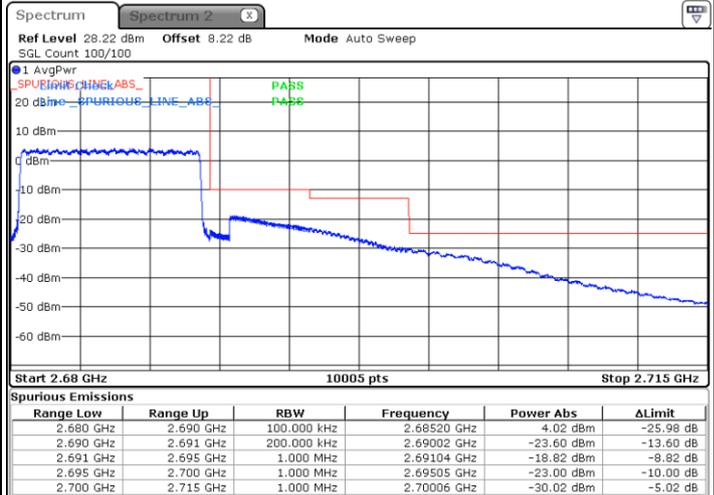
Date: 19.NOV.2024 11:50:53

Lowest Band Edge / Full RB



Date: 19.NOV.2024 14:40:27

Highest Band Edge / Full RB

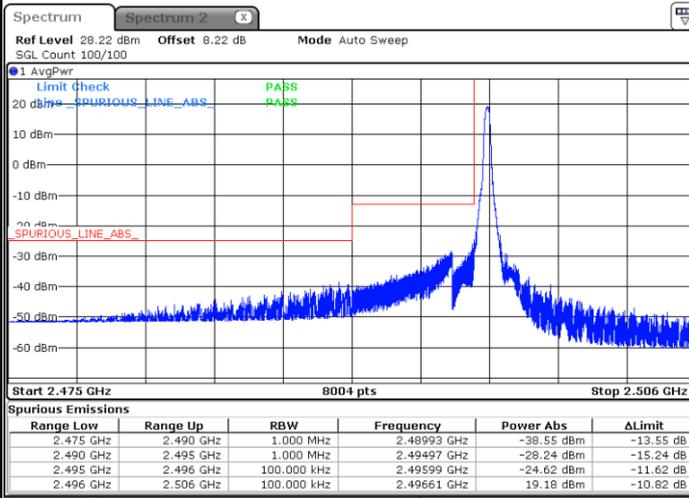


Date: 19.NOV.2024 11:57:36



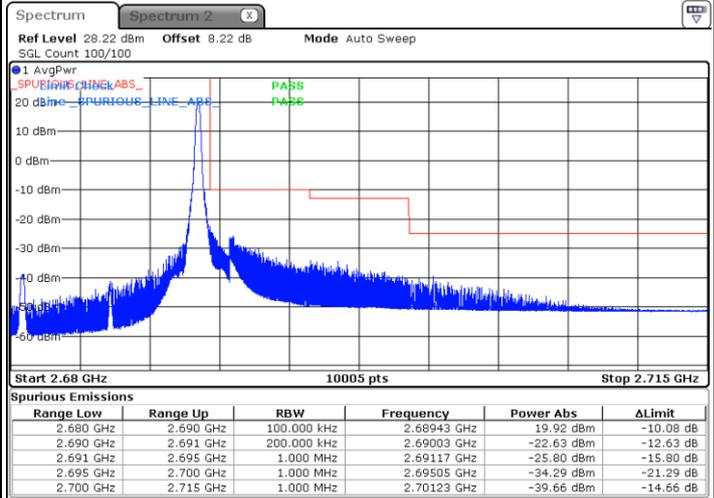
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 19.NOV.2024 11:36:38

Highest Band Edge / 1 RB



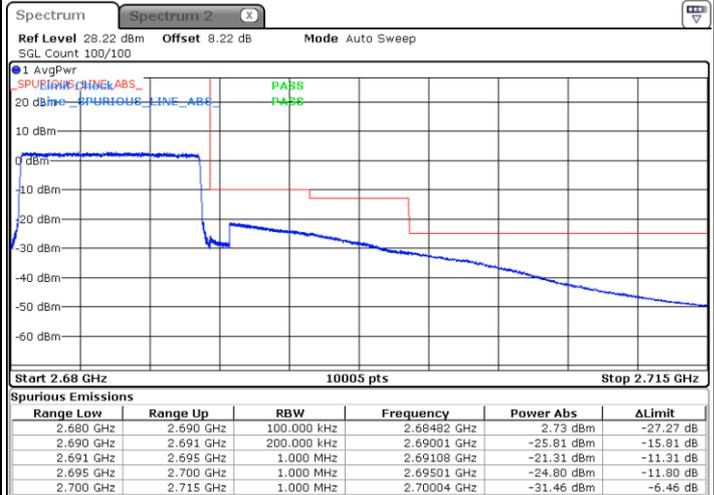
Date: 19.NOV.2024 11:52:34

Lowest Band Edge / Full RB



Date: 19.NOV.2024 14:42:43

Highest Band Edge / Full RB

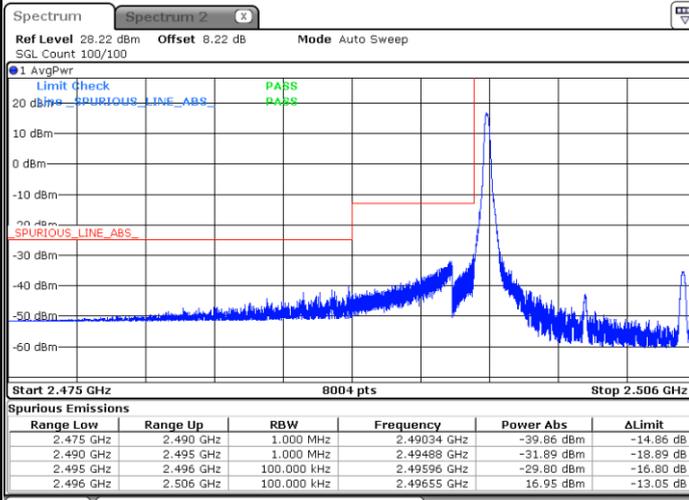


Date: 19.NOV.2024 11:59:17



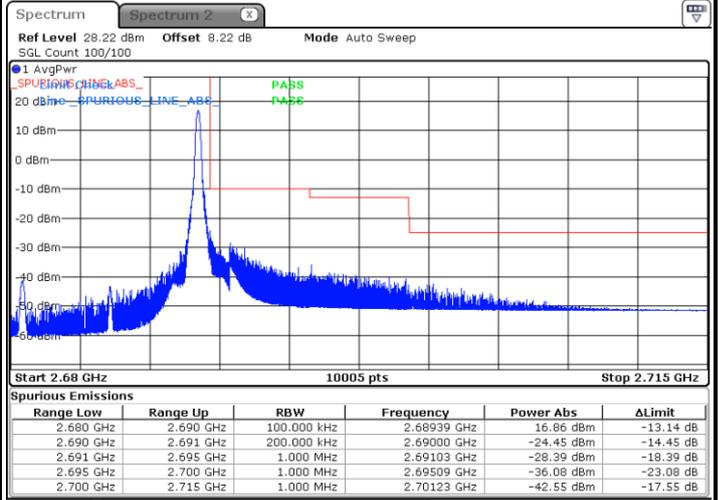
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



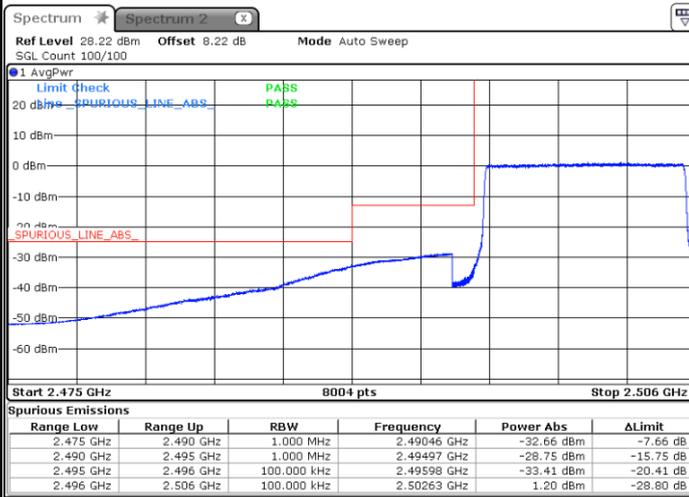
Date: 19.NOV.2024 11:38:24

Highest Band Edge / 1 RB



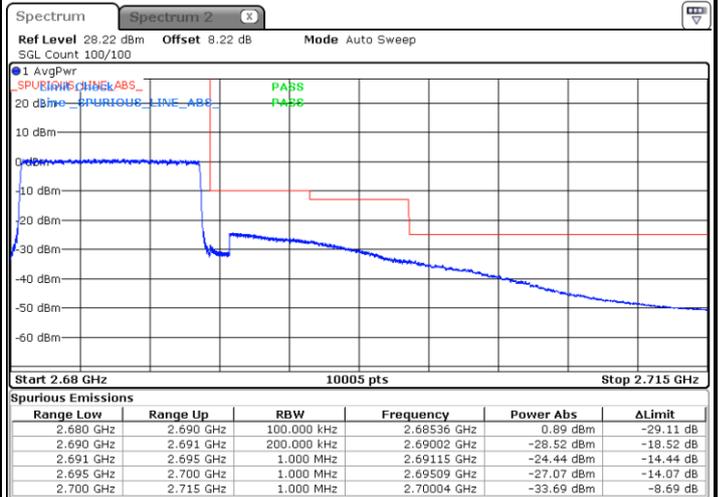
Date: 19.NOV.2024 11:54:14

Lowest Band Edge / Full RB



Date: 19.NOV.2024 14:47:59

Highest Band Edge / Full RB

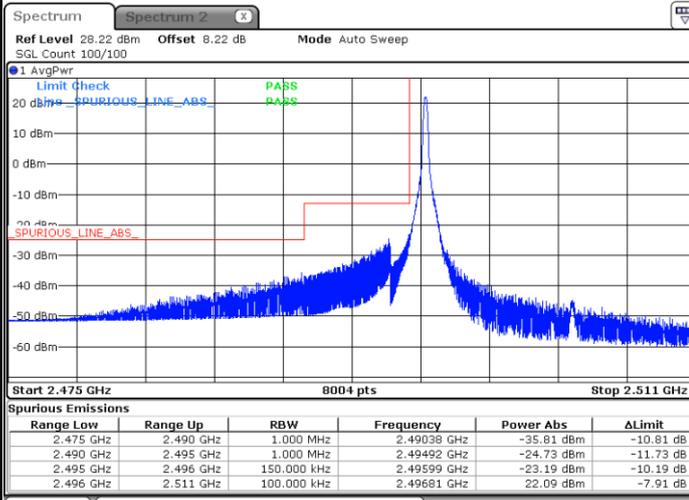


Date: 19.NOV.2024 12:00:58



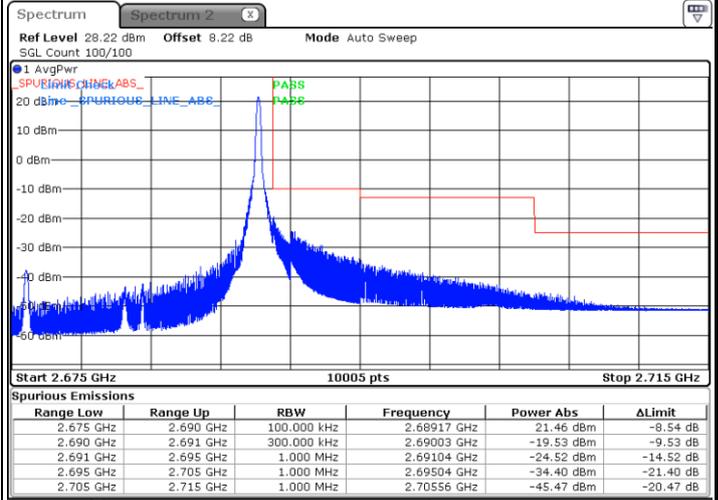
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



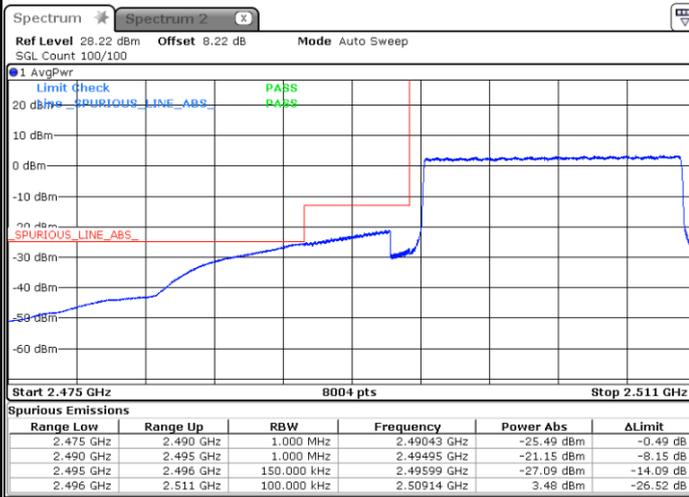
Date: 19.NOV.2024 12:03:42

Highest Band Edge / 1 RB



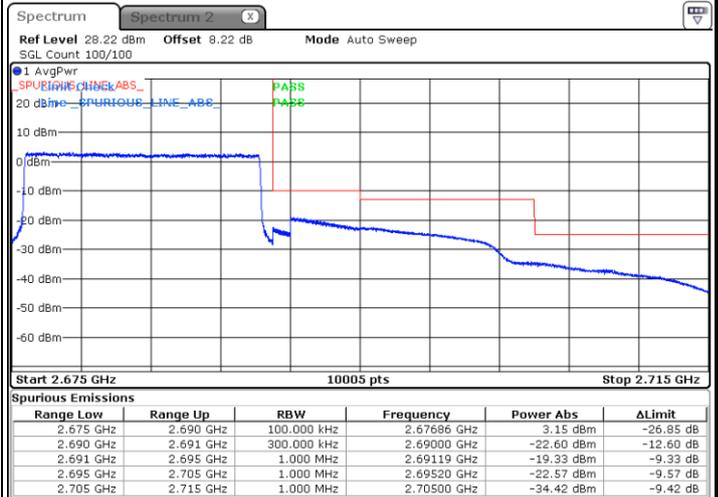
Date: 19.NOV.2024 12:19:15

Lowest Band Edge / Full RB

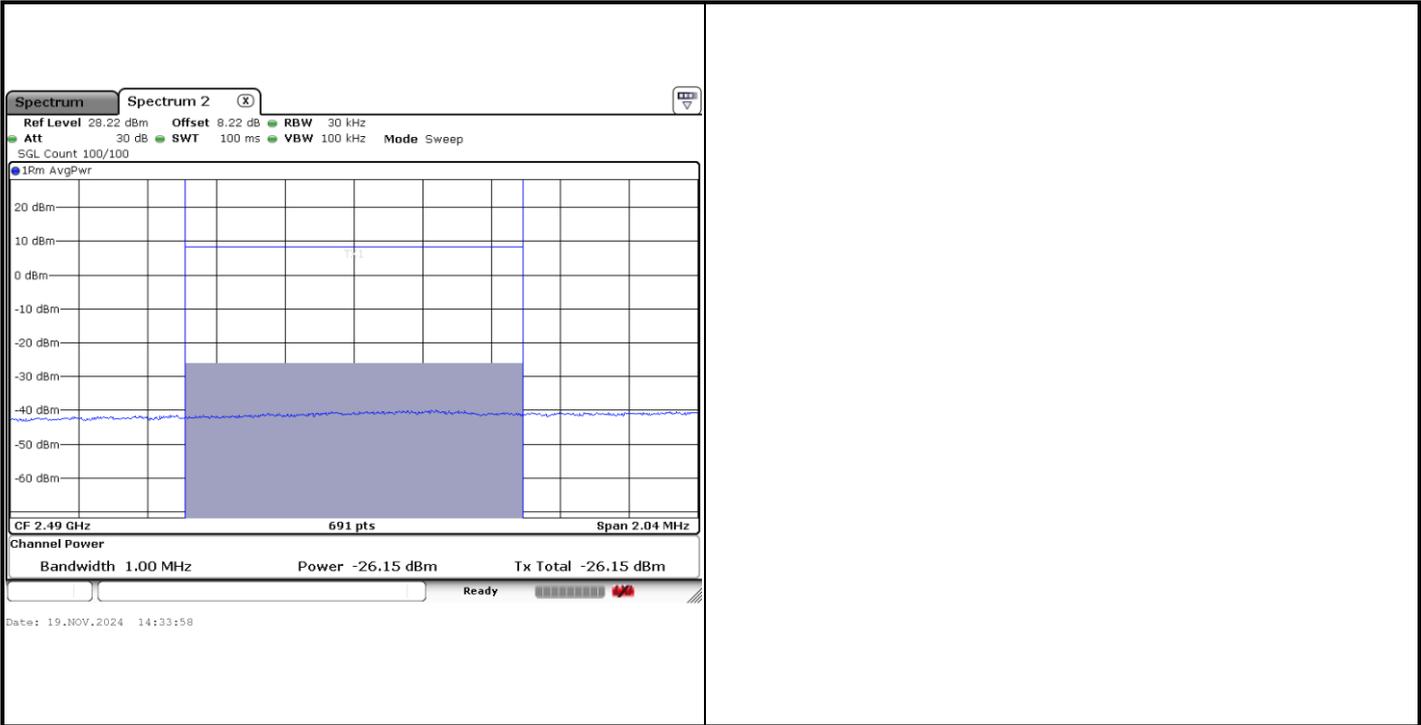


Date: 19.NOV.2024 14:01:26

Highest Band Edge / Full RB



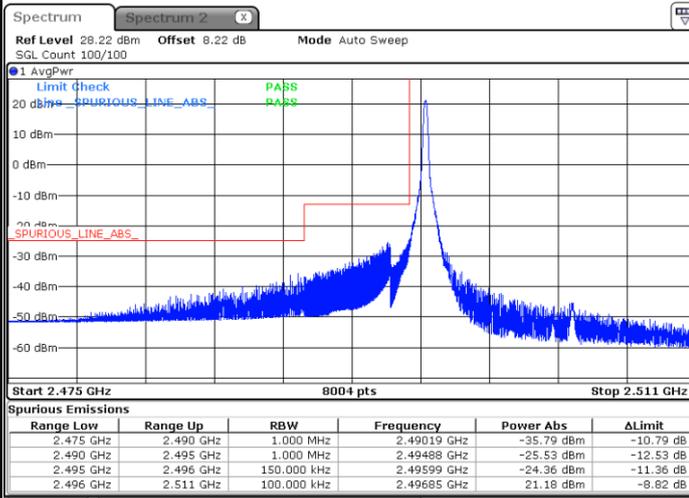
Date: 19.NOV.2024 12:25:59





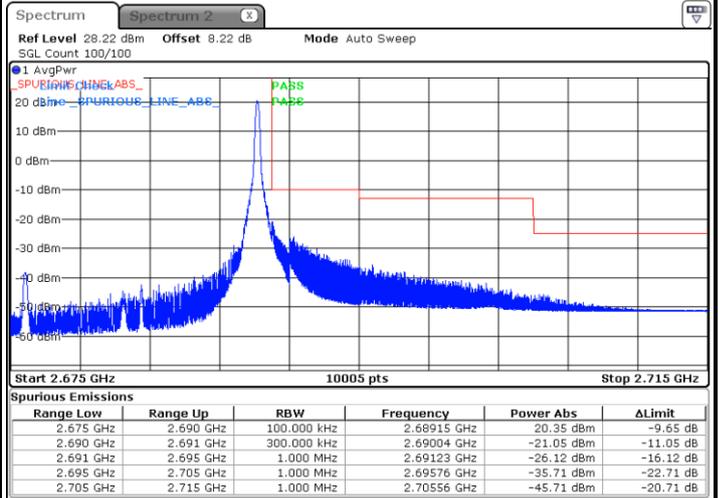
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



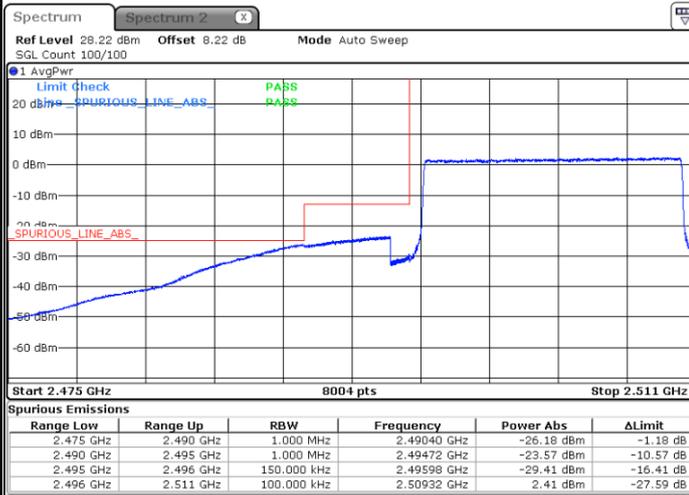
Date: 19.NOV.2024 12:05:23

Highest Band Edge / 1 RB



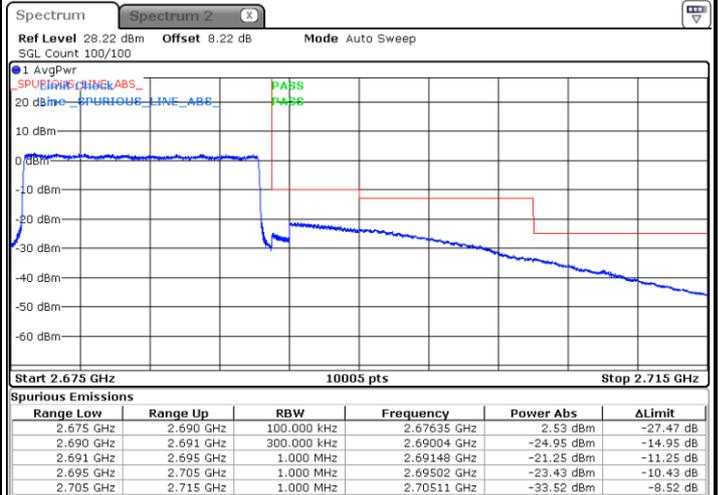
Date: 19.NOV.2024 12:20:56

Lowest Band Edge / Full RB



Date: 19.NOV.2024 13:56:40

Highest Band Edge / Full RB

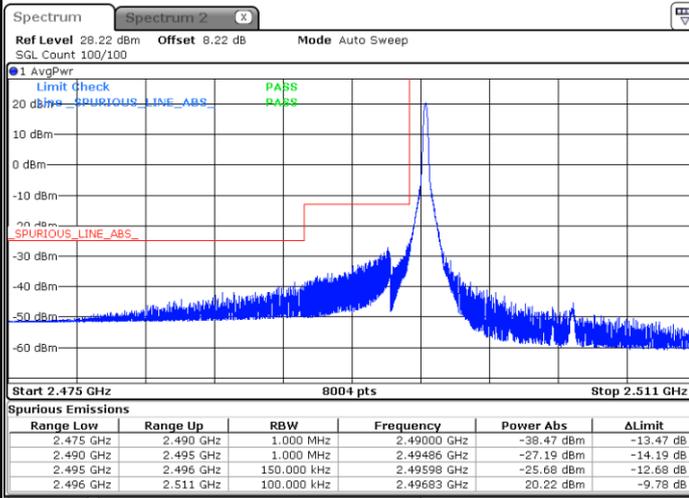


Date: 19.NOV.2024 12:27:40



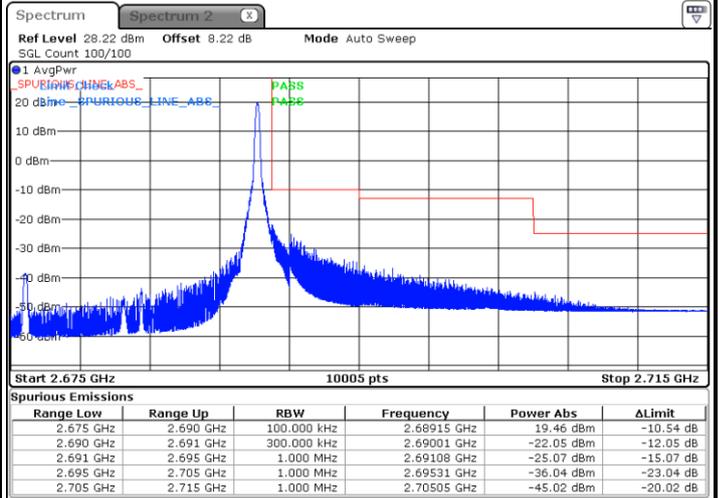
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



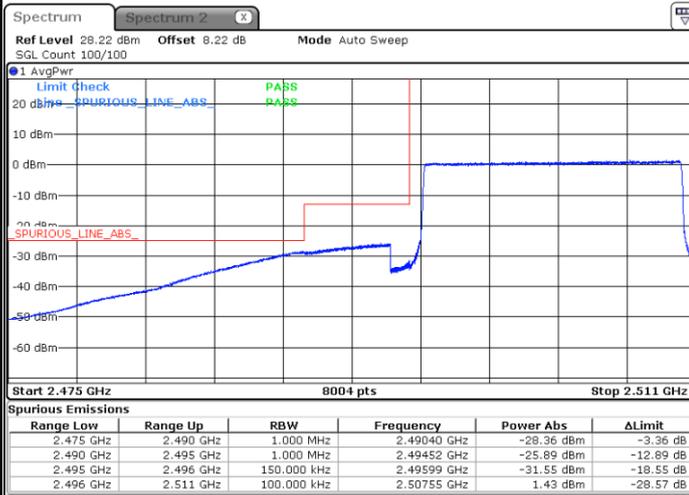
Date: 19.NOV.2024 12:07:05

Highest Band Edge / 1 RB



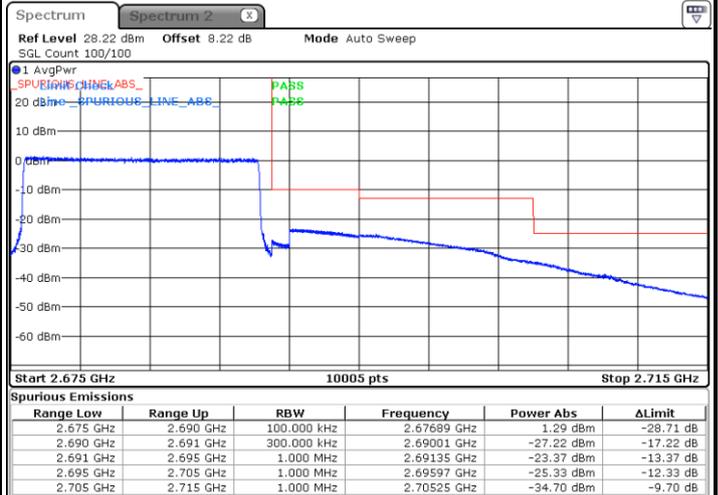
Date: 19.NOV.2024 12:22:37

Lowest Band Edge / Full RB



Date: 19.NOV.2024 12:13:50

Highest Band Edge / Full RB

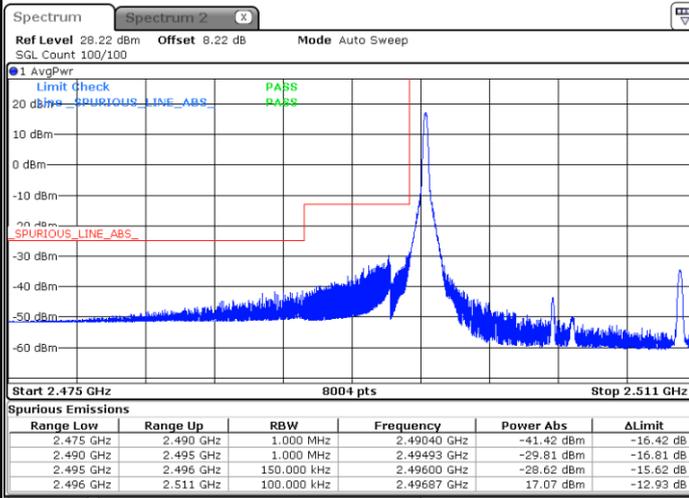


Date: 19.NOV.2024 12:29:21



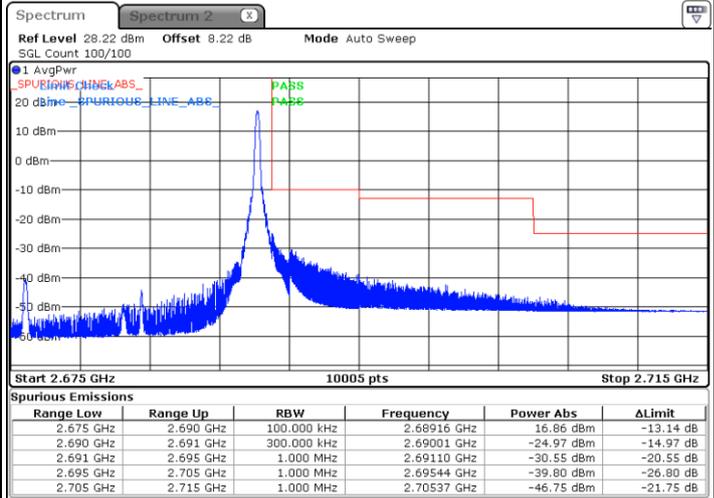
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



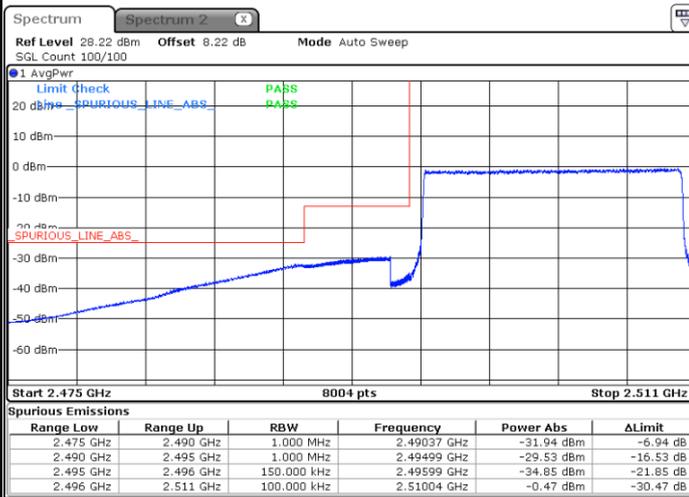
Date: 19.NOV.2024 12:08:46

Highest Band Edge / 1 RB



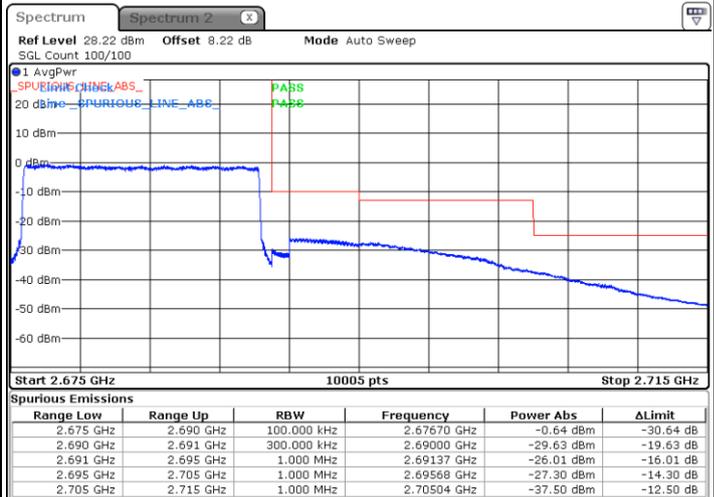
Date: 19.NOV.2024 12:24:18

Lowest Band Edge / Full RB



Date: 19.NOV.2024 12:15:31

Highest Band Edge / Full RB

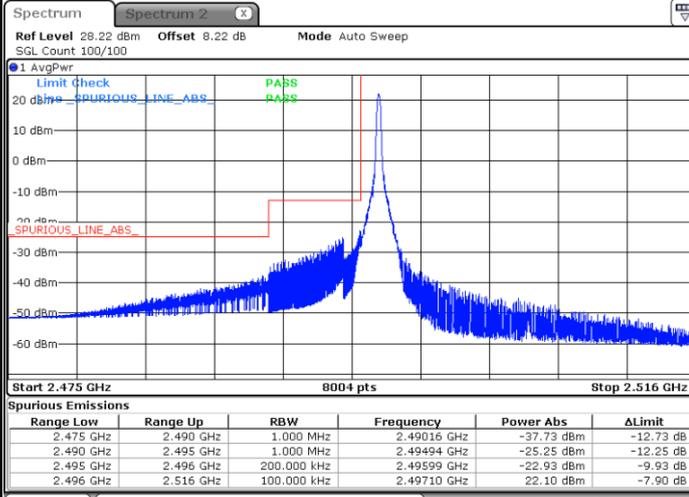


Date: 19.NOV.2024 12:31:02



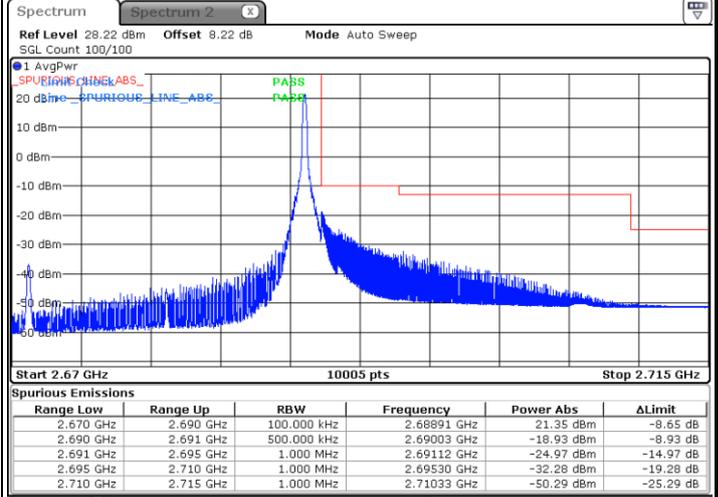
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



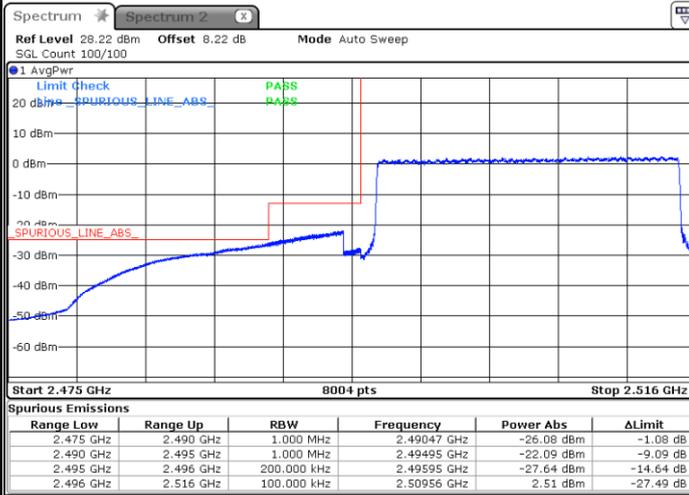
Date: 19.NOV.2024 12:33:45

Highest Band Edge / 1 RB



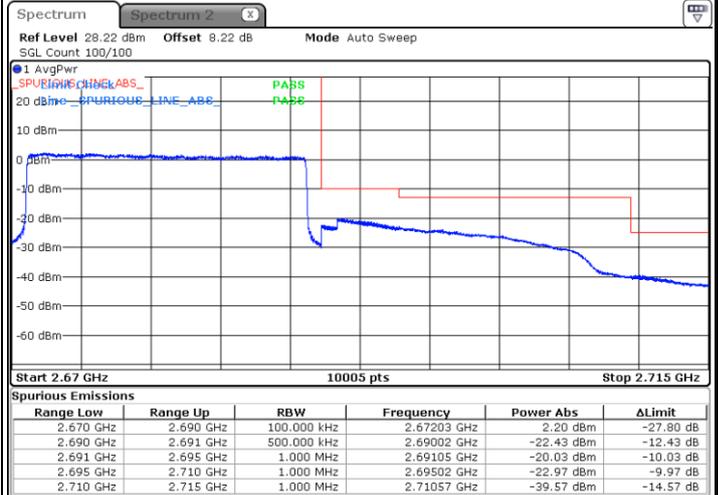
Date: 19.NOV.2024 12:49:17

Lowest Band Edge / Full RB



Date: 19.NOV.2024 14:12:26

Highest Band Edge / Full RB

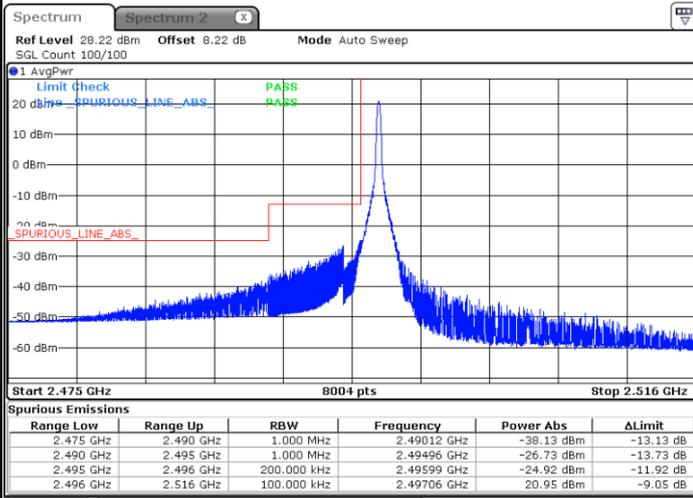


Date: 19.NOV.2024 12:56:01



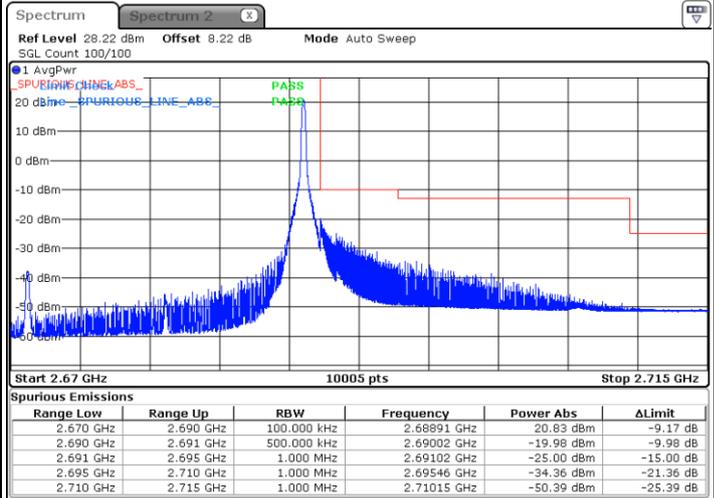
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



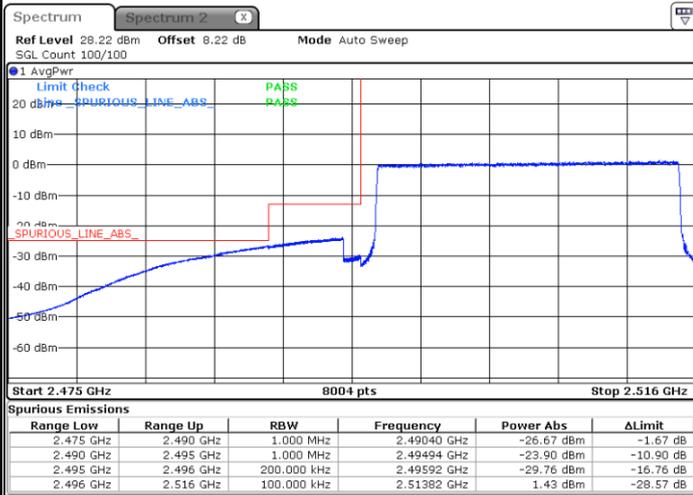
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Highest Band Edge / 1 RB



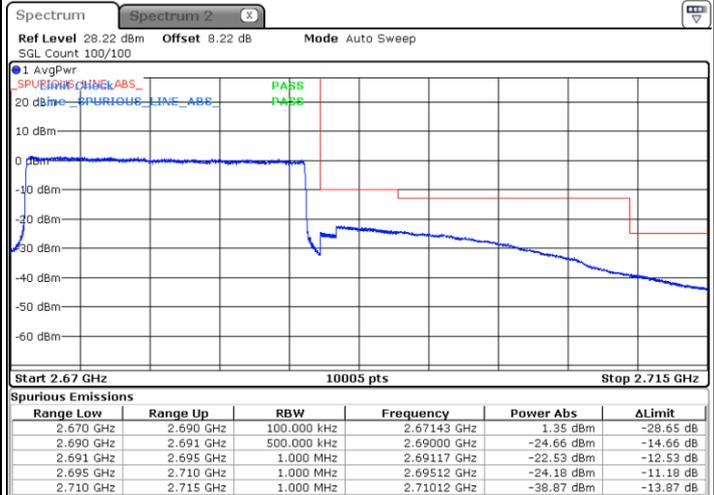
Date: 19.NOV.2024 12:50:58

Lowest Band Edge / Full RB



Date: 19.NOV.2024 12:42:11

Highest Band Edge / Full RB

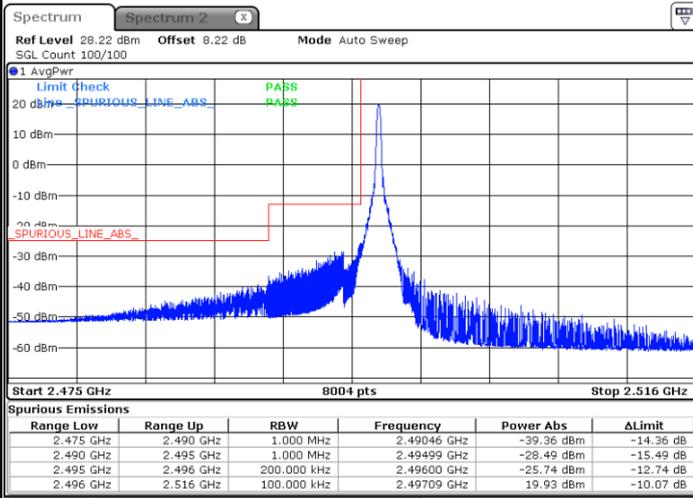


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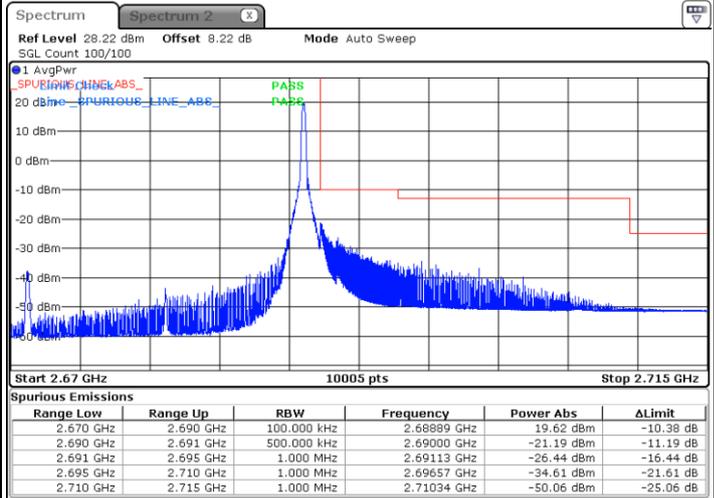
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



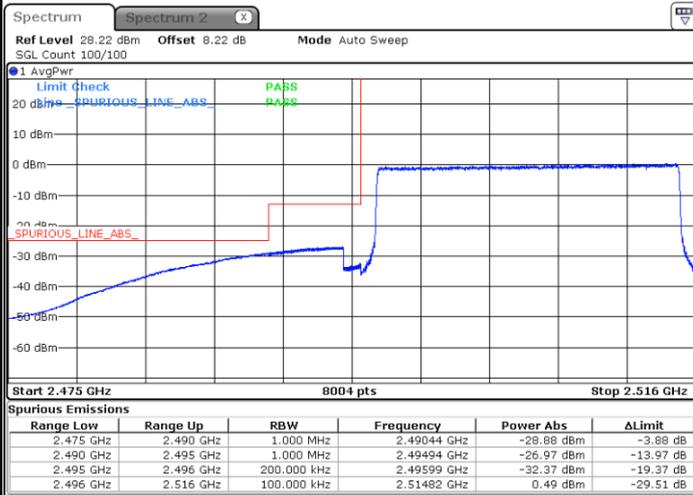
Date: 19.NOV.2024 12:37:08

Highest Band Edge / 1 RB



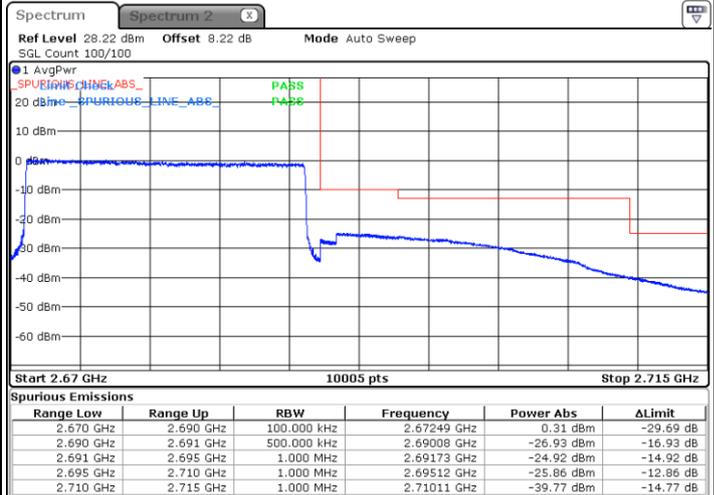
Date: 19.NOV.2024 12:52:39

Lowest Band Edge / Full RB



Date: 19.NOV.2024 12:43:52

Highest Band Edge / Full RB

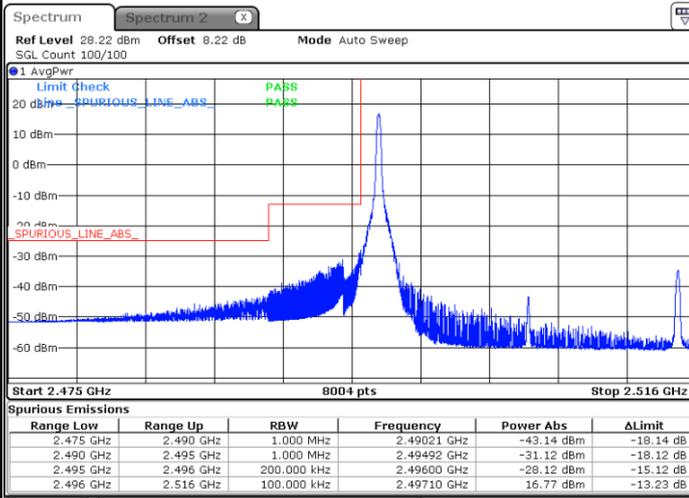


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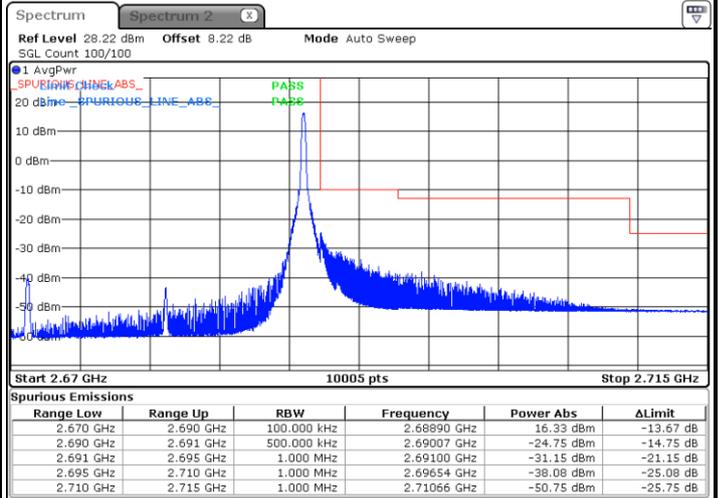
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



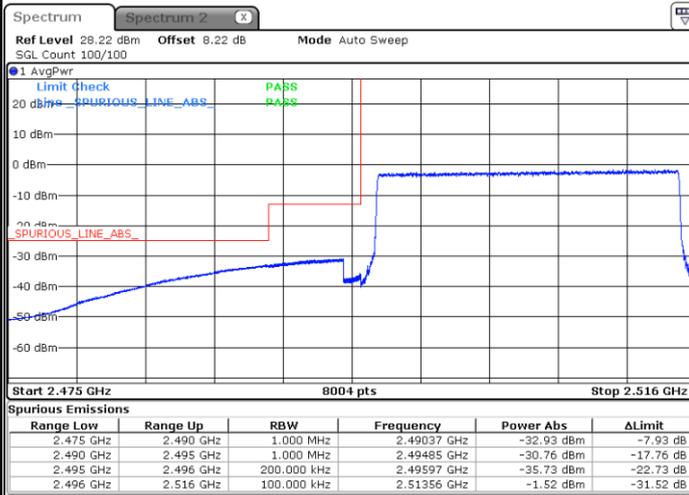
Date: 19.NOV.2024 12:38:49

Highest Band Edge / 1 RB



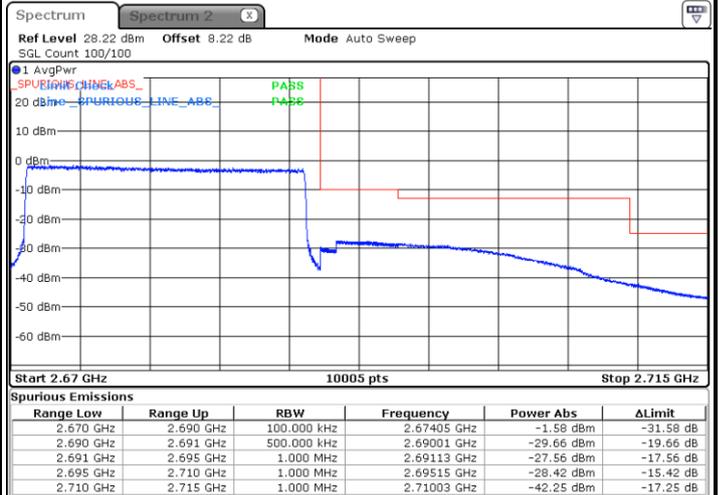
Date: 19.NOV.2024 12:54:20

Lowest Band Edge / Full RB



Date: 19.NOV.2024 12:45:33

Highest Band Edge / Full RB



Date: 19.NOV.2024 13:01:04