



Conducted Spurious Emission

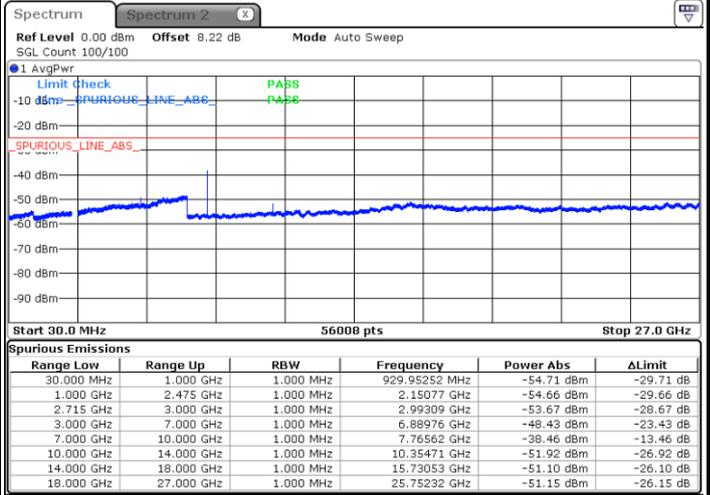
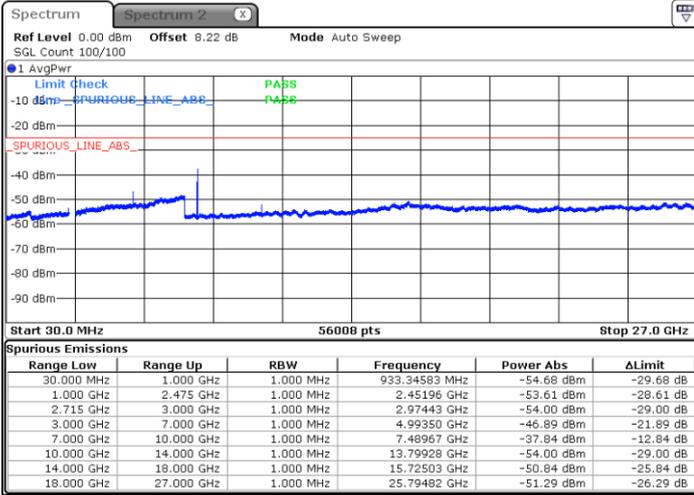




LTE Band 41 / 10MHz

Lowest Channel / QPSK

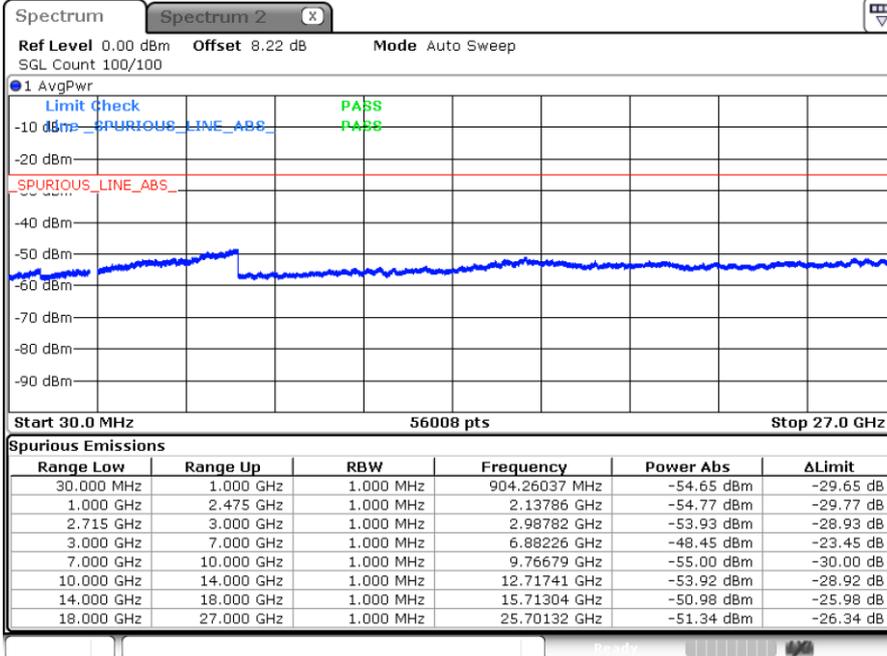
Middle Channel / QPSK



Date: 19.NOV.2024 11:31:20

Date: 19.NOV.2024 11:46:29

Highest Channel / QPSK



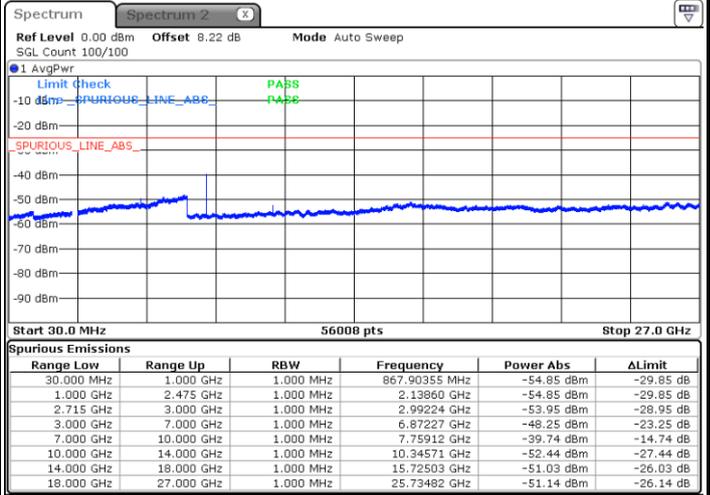
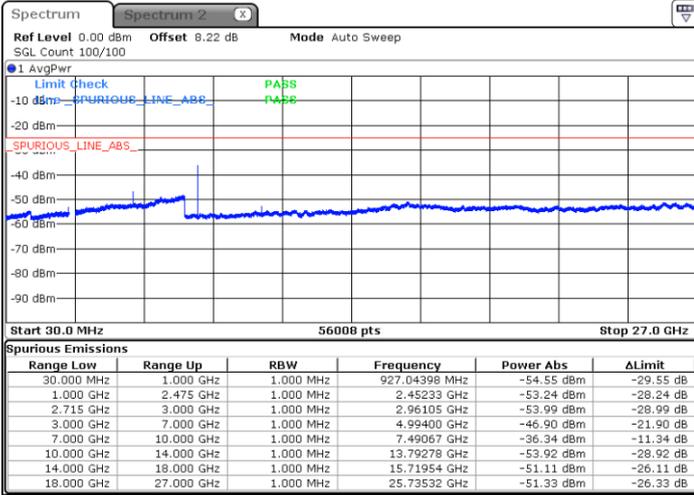
Date: 19.NOV.2024 11:47:30



LTE Band 41 / 15MHz

Lowest Channel / QPSK

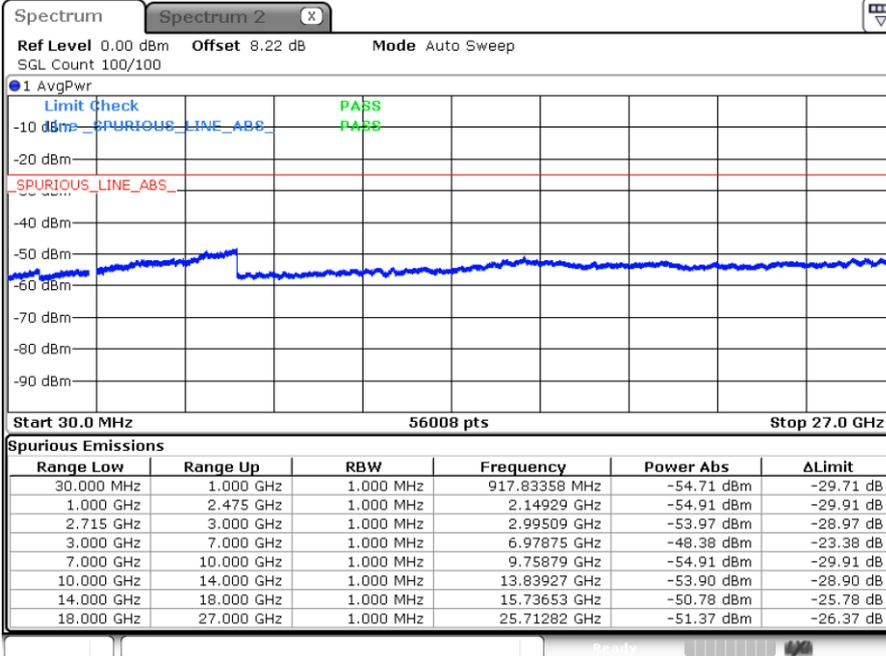
Middle Channel / QPSK



Date: 19.NOV.2024 12:02:00

Date: 19.NOV.2024 12:16:32

Highest Channel / QPSK



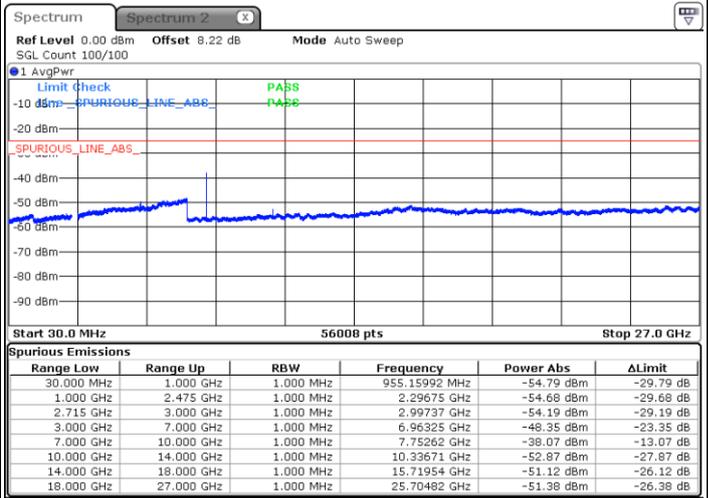
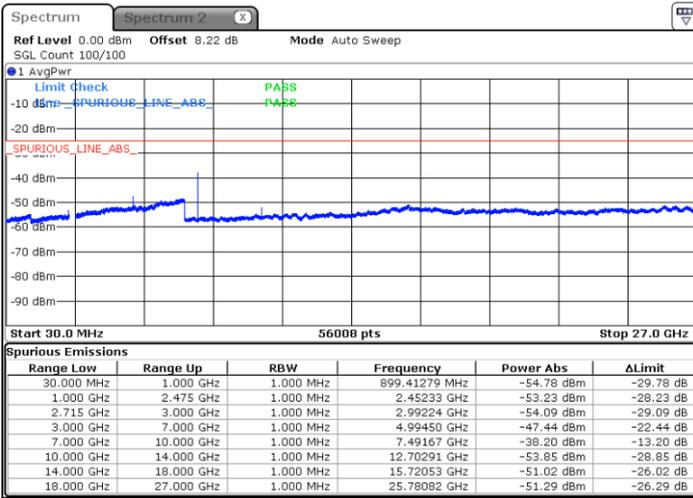
Date: 19.NOV.2024 12:17:33



LTE Band 41 / 20MHz

Lowest Channel / QPSK

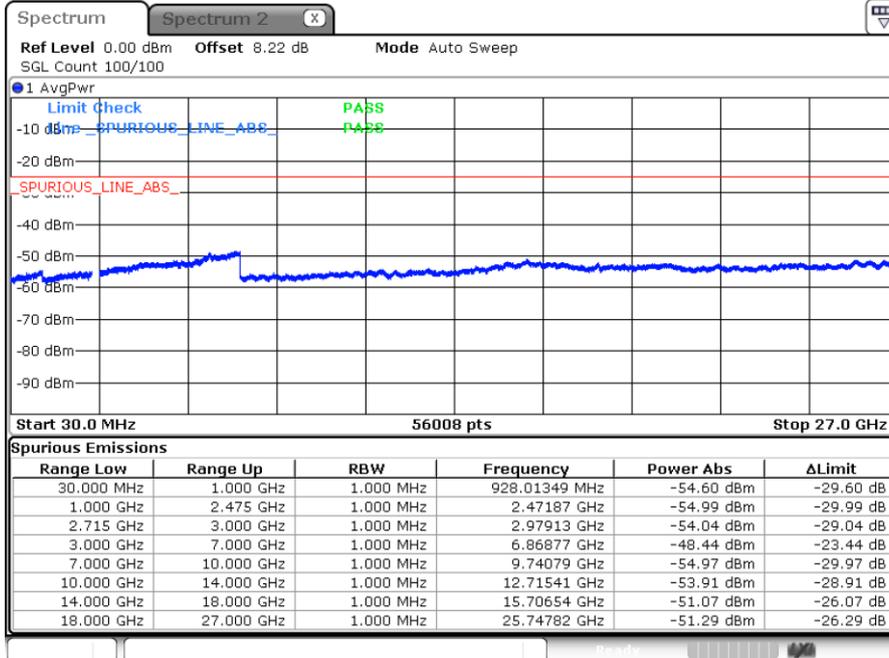
Middle Channel / QPSK



Date: 19.NOV.2024 12:32:03

Date: 19.NOV.2024 12:46:34

Highest Channel / QPSK



Date: 19.NOV.2024 12:47:35



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	0.0035	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0016	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0015	

Note:

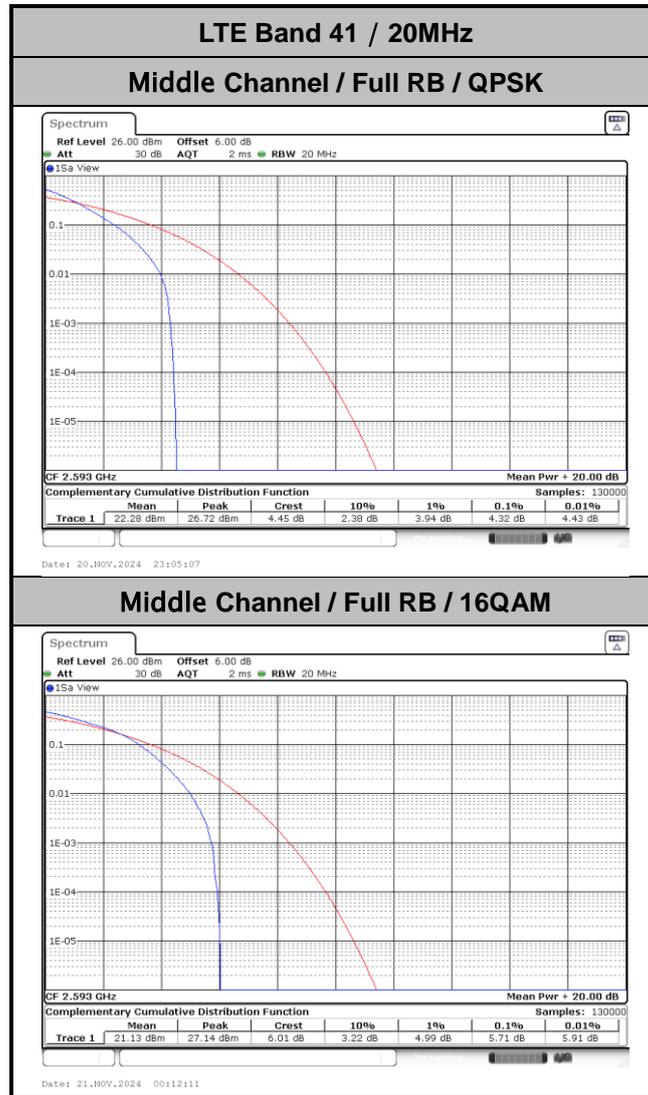
1. Normal Voltage =3.69 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.1 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

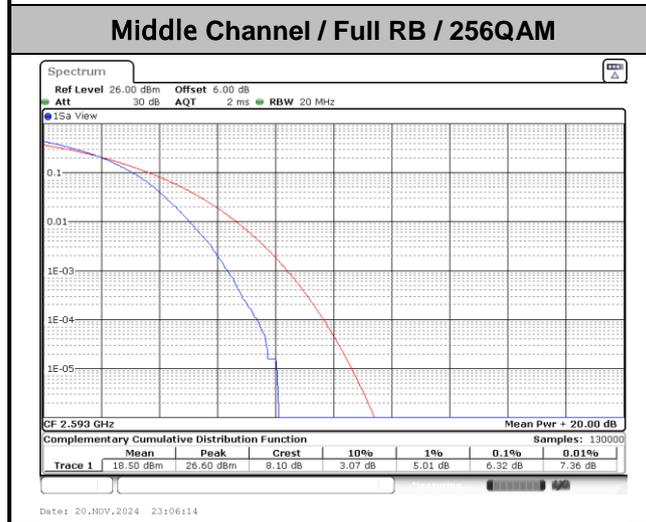
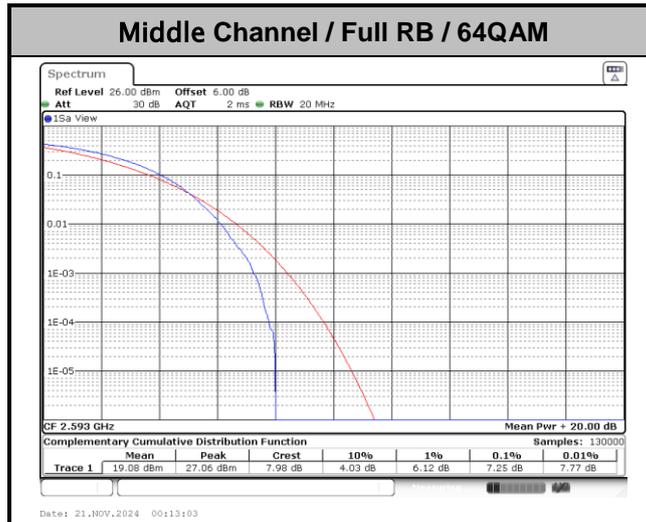


LTE Band 41(Other PA2)

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	4.32	5.71	7.25	6.32	PASS

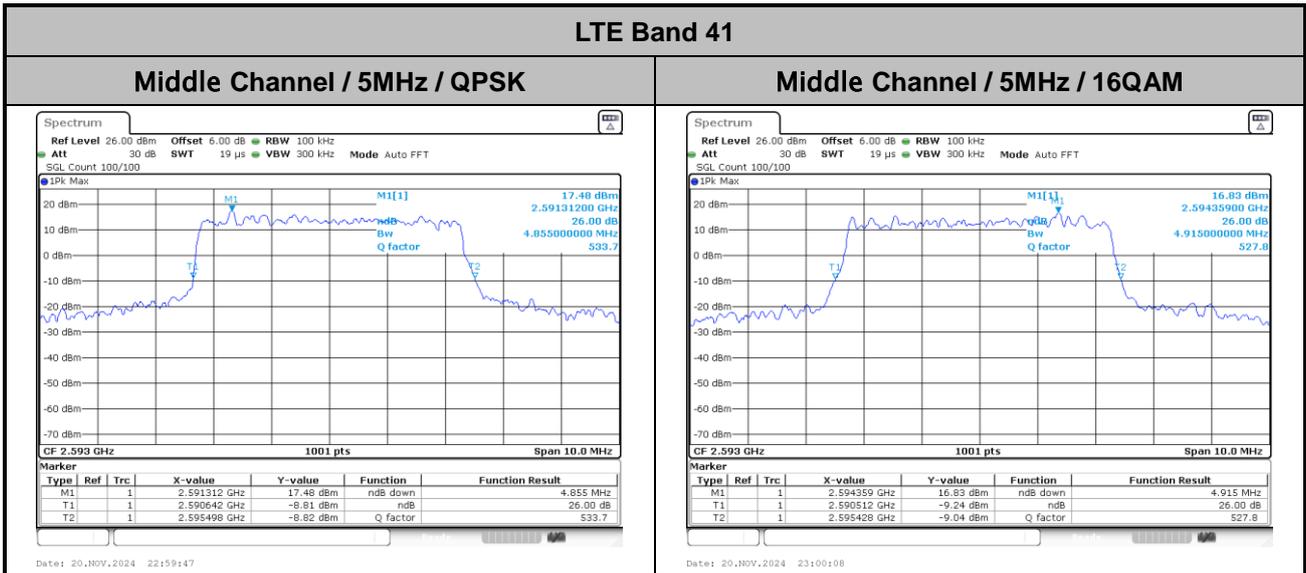






26dB Bandwidth

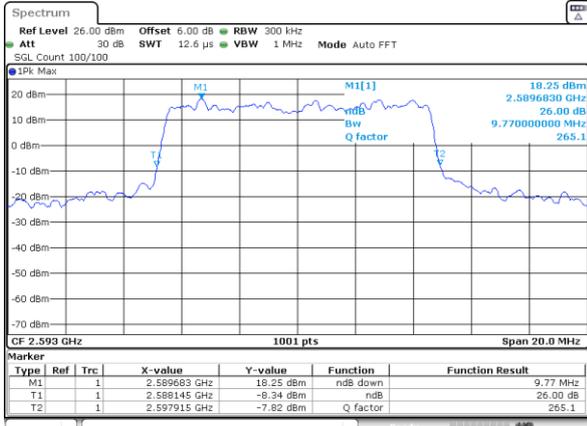
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.86	4.92
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.77	9.91
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.12	14.81
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.38	19.30





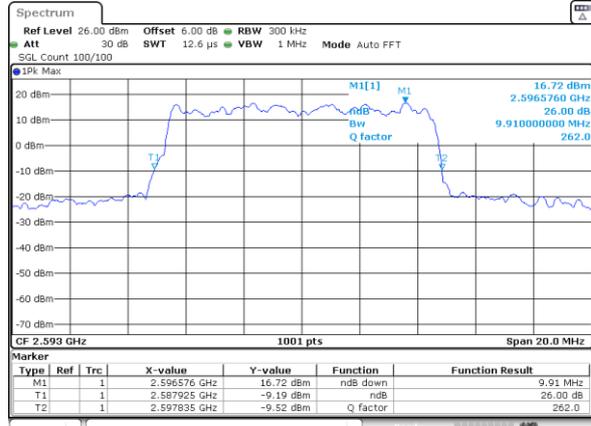
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 20,NOV,2024 23:01:12

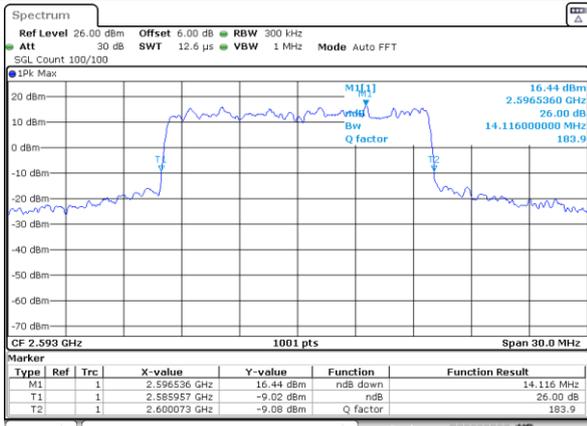
Middle Channel / 10MHz / 16QAM



Date: 20,NOV,2024 23:01:33

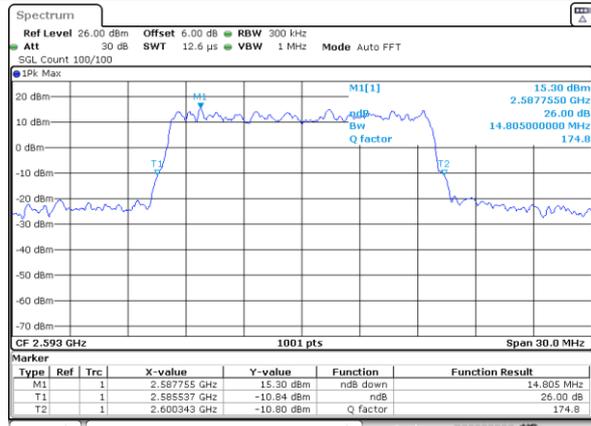
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 20,NOV,2024 23:02:37

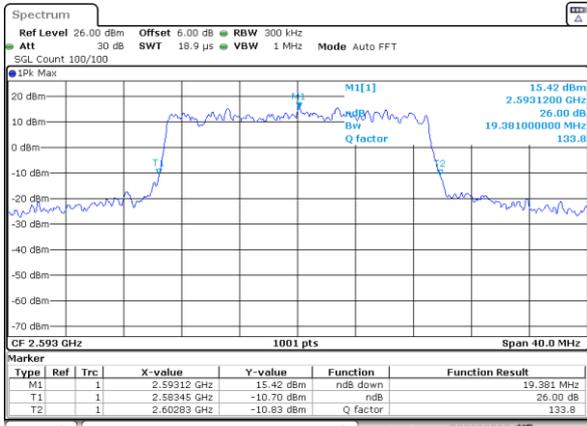
Middle Channel / 15MHz / 16QAM



Date: 20,NOV,2024 23:02:59

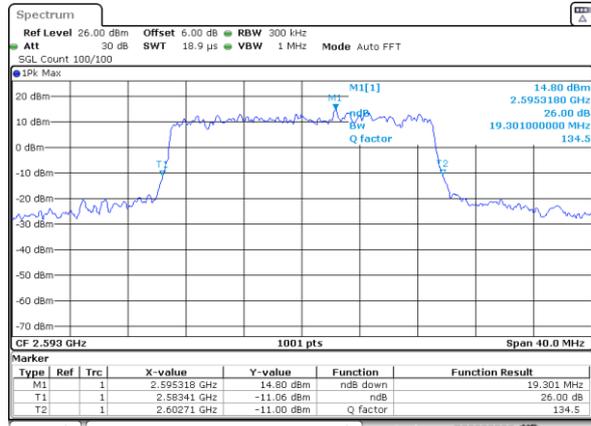
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 20,NOV,2024 23:04:03

Middle Channel / 20MHz / 16QAM

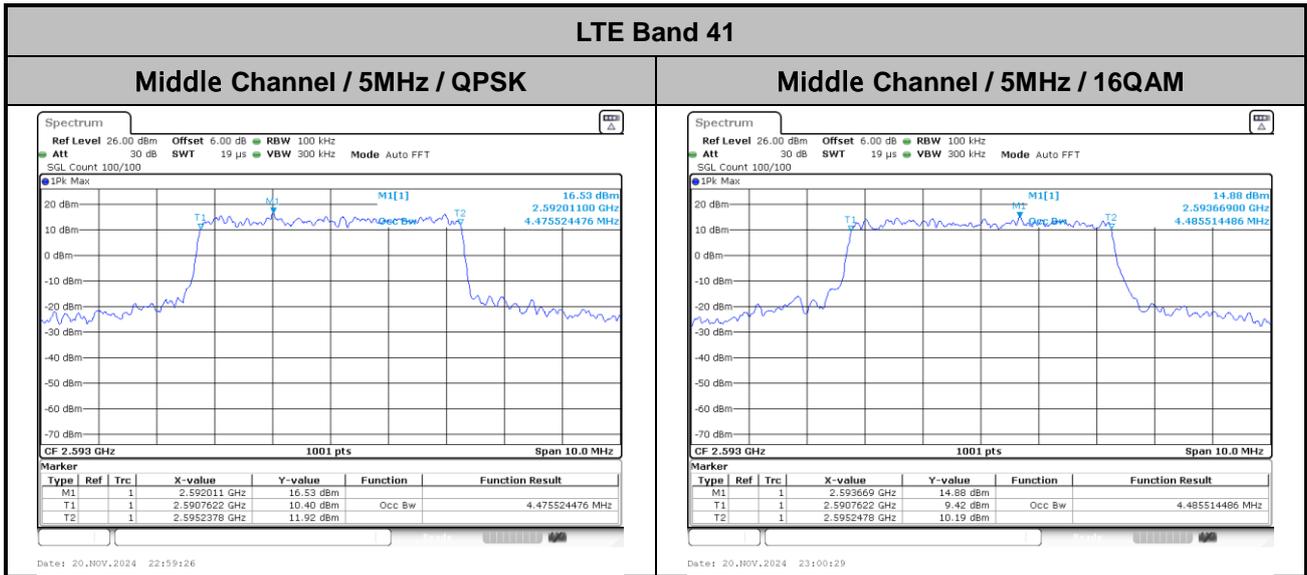


Date: 20,NOV,2024 23:04:14



Occupied Bandwidth

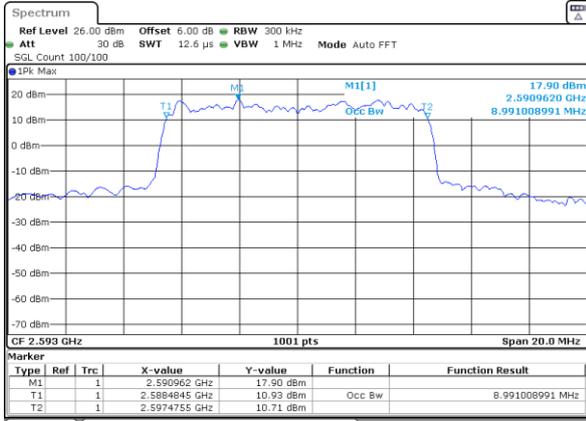
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.99	9.03
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.43
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.86





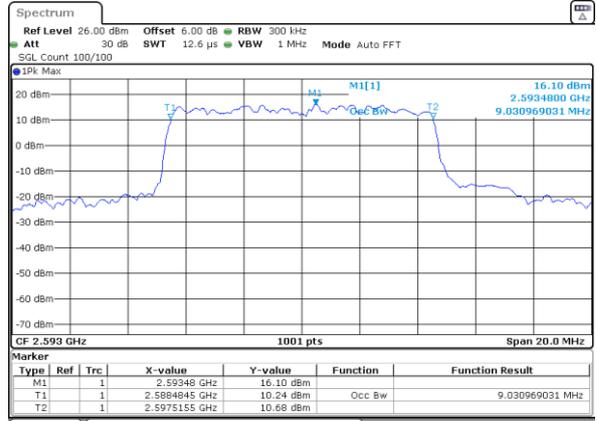
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 20,NOV,2024 23:00:53

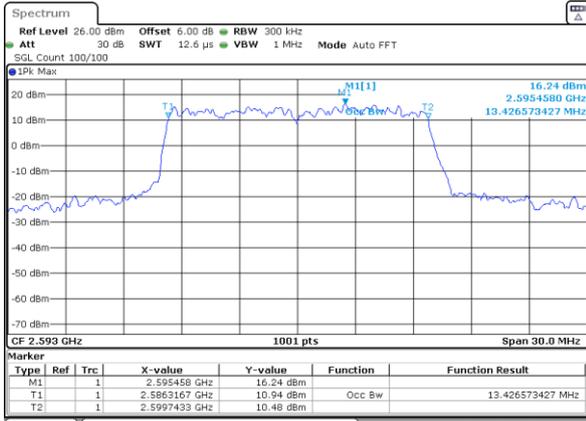
Middle Channel / 10MHz / 16QAM



Date: 20,NOV,2024 23:01:54

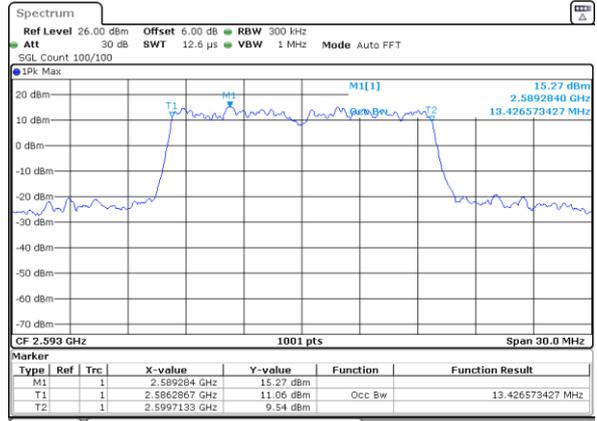
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 20,NOV,2024 23:02:16

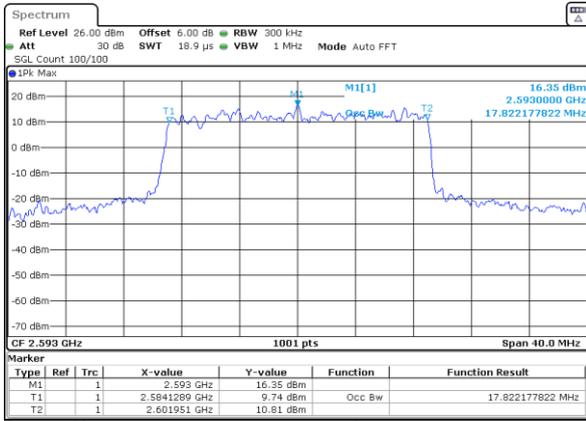
Middle Channel / 15MHz / 16QAM



Date: 20,NOV,2024 23:03:20

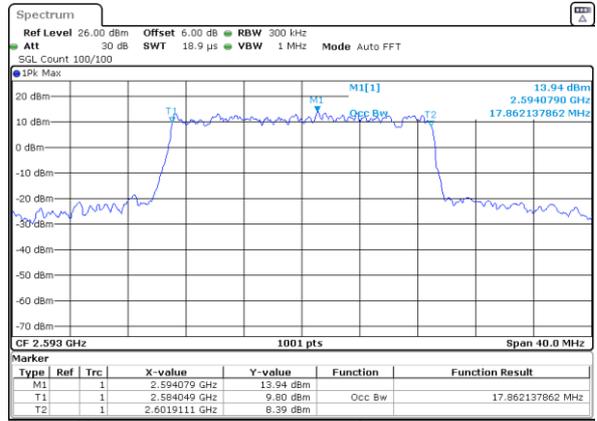
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 20,NOV,2024 23:03:42

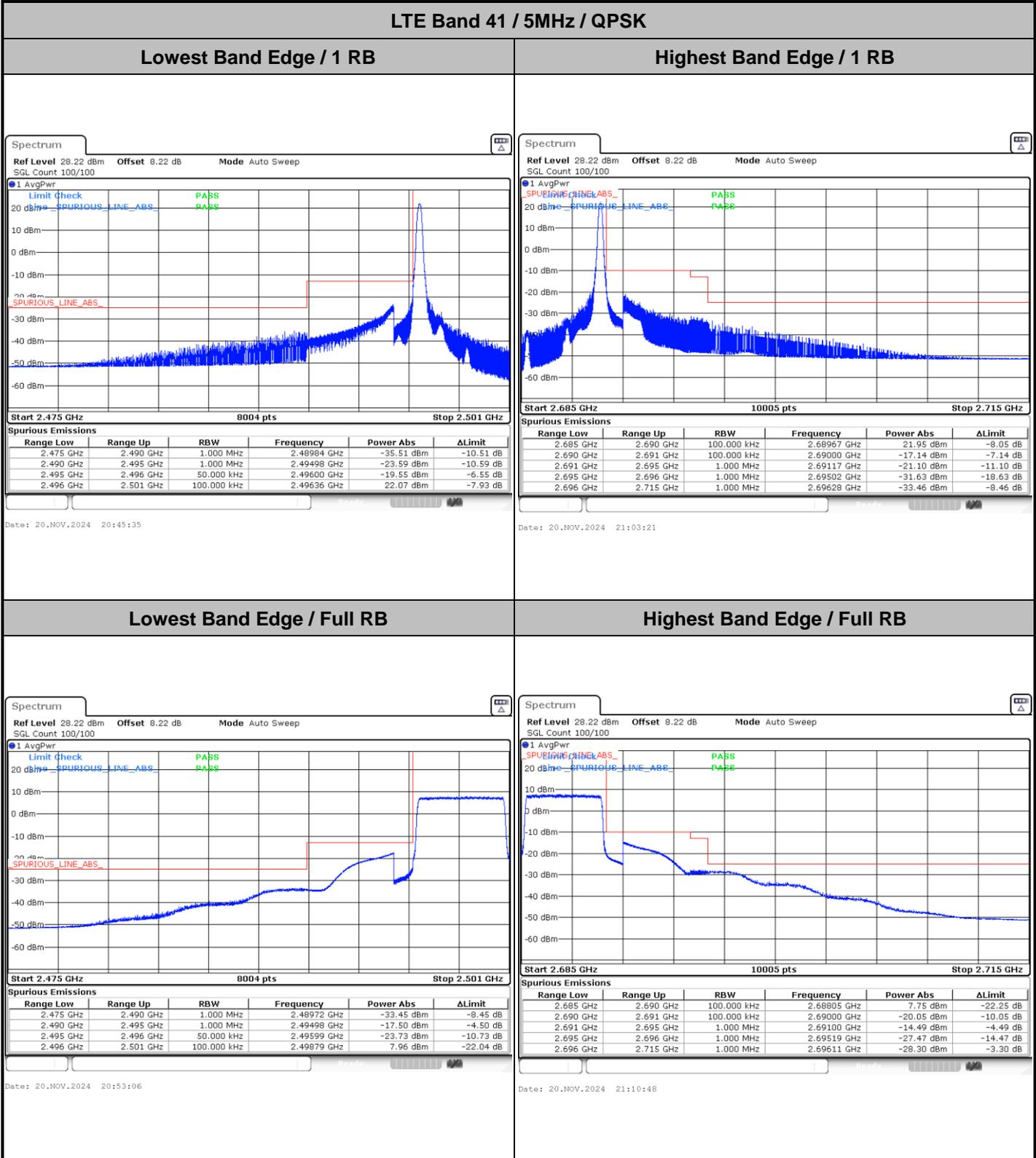
Middle Channel / 20MHz / 16QAM



Date: 20,NOV,2024 23:04:45



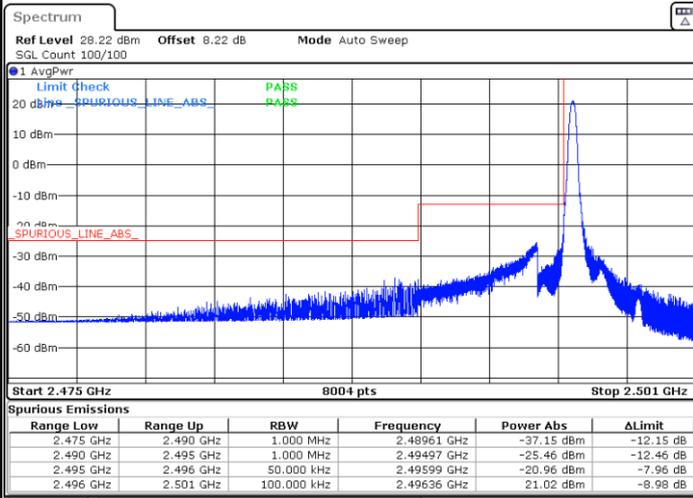
Conducted Band Edge





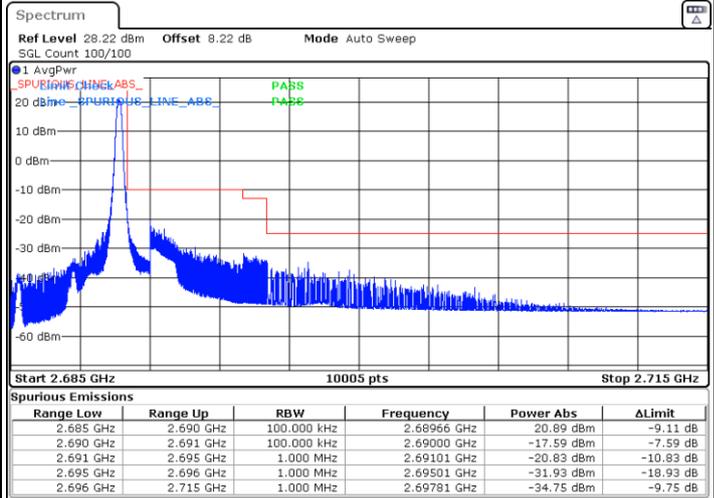
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



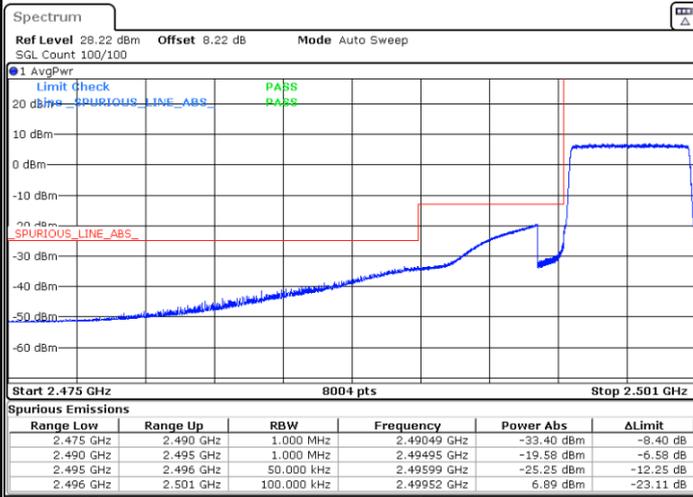
Date: 20.NOV.2024 20:47:27

Highest Band Edge / 1 RB



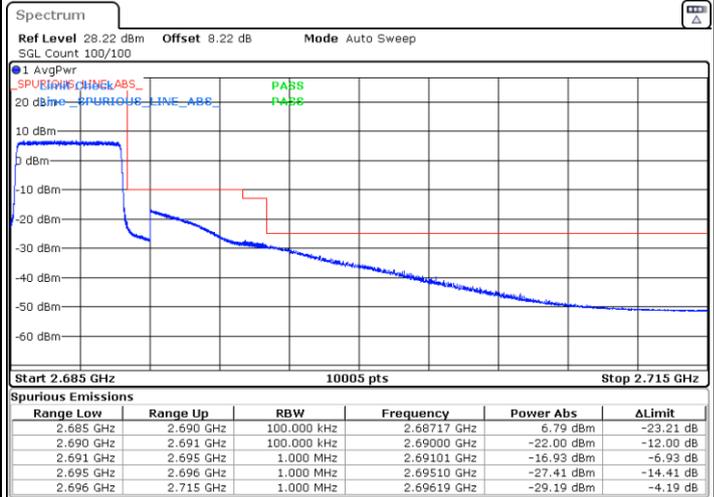
Date: 20.NOV.2024 21:05:13

Lowest Band Edge / Full RB



Date: 20.NOV.2024 20:58:45

Highest Band Edge / Full RB

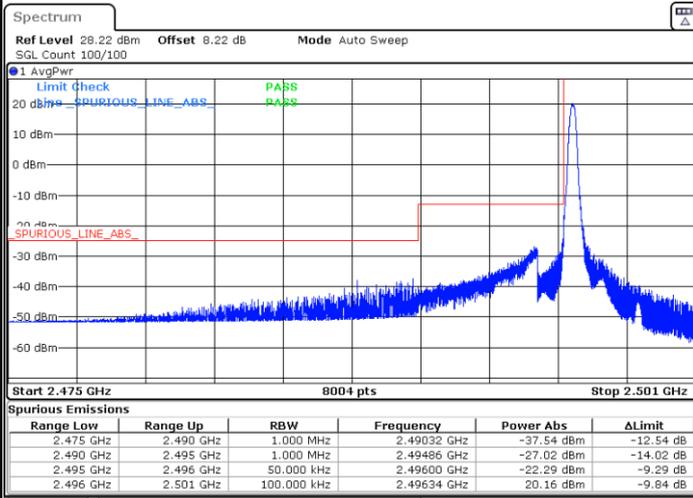


Date: 20.NOV.2024 21:16:22



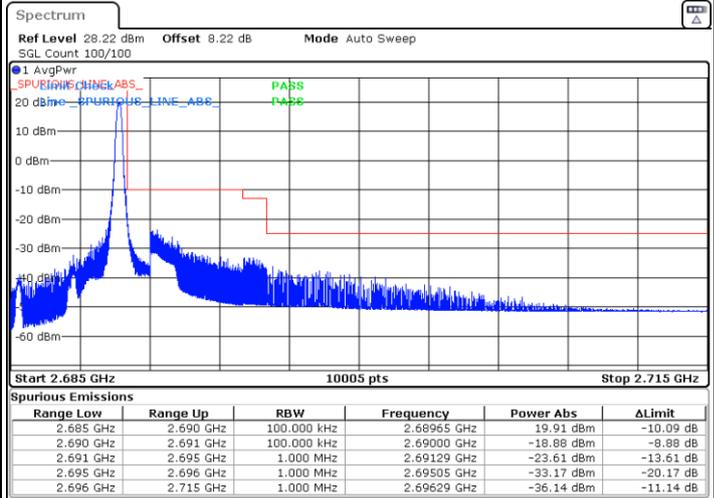
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



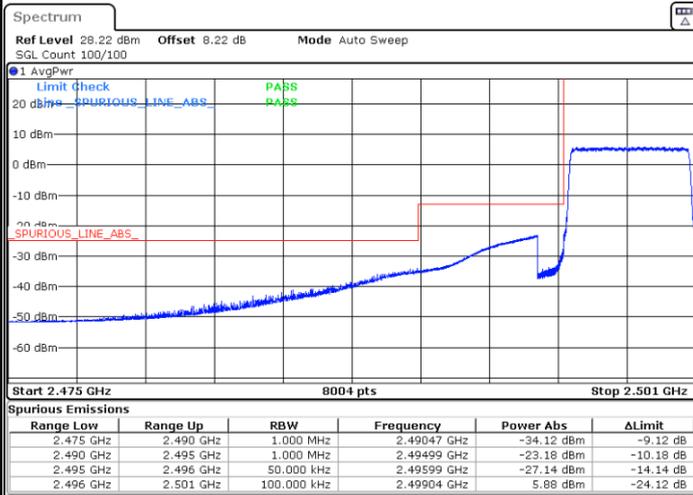
Date: 20.NOV.2024 20:49:20

Highest Band Edge / 1 RB



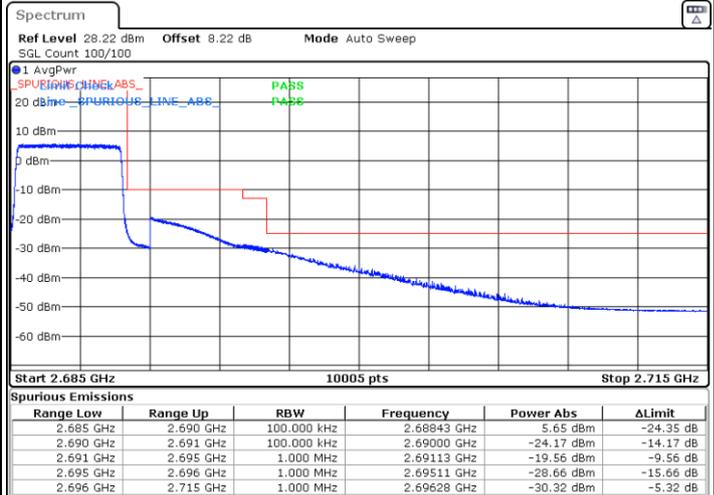
Date: 20.NOV.2024 21:07:05

Lowest Band Edge / Full RB



Date: 20.NOV.2024 20:56:52

Highest Band Edge / Full RB

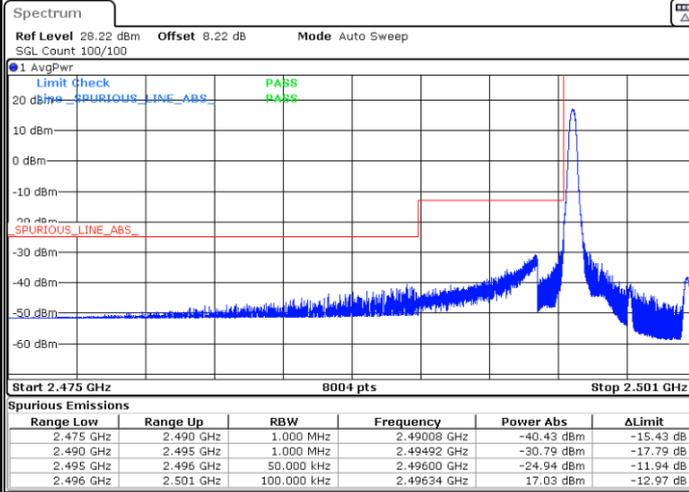


Date: 20.NOV.2024 21:14:31



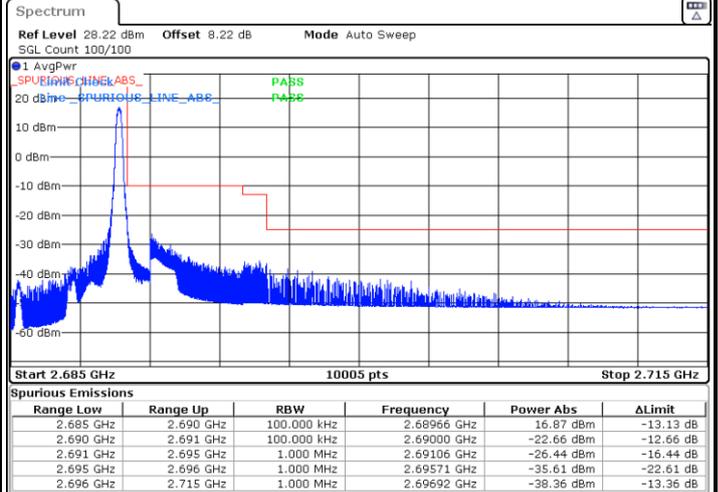
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



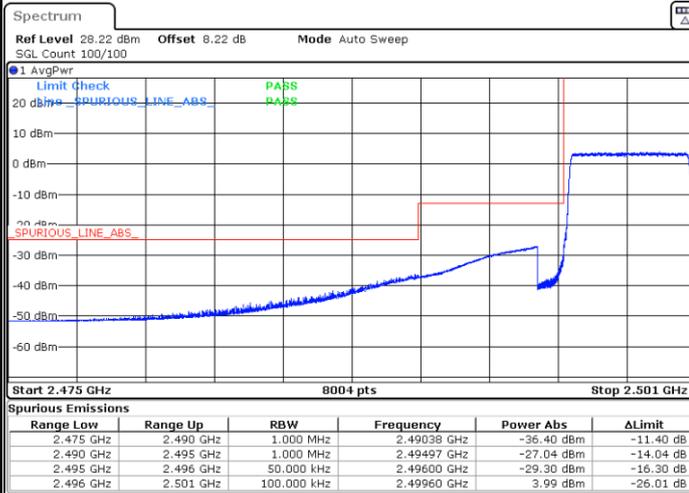
Date: 20.NOV.2024 20:51:13

Highest Band Edge / 1 RB



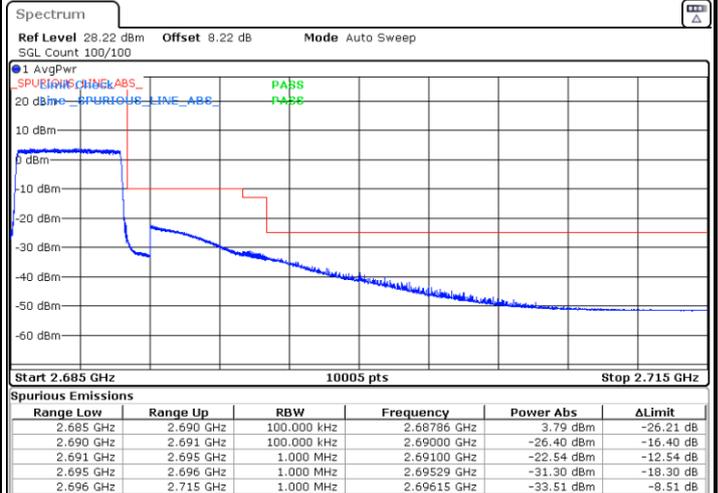
Date: 20.NOV.2024 21:08:56

Lowest Band Edge / Full RB



Date: 20.NOV.2024 20:54:59

Highest Band Edge / Full RB

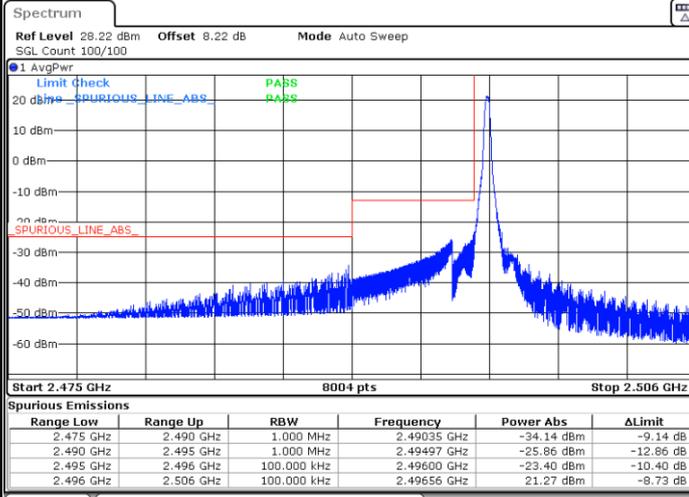


Date: 20.NOV.2024 21:12:39



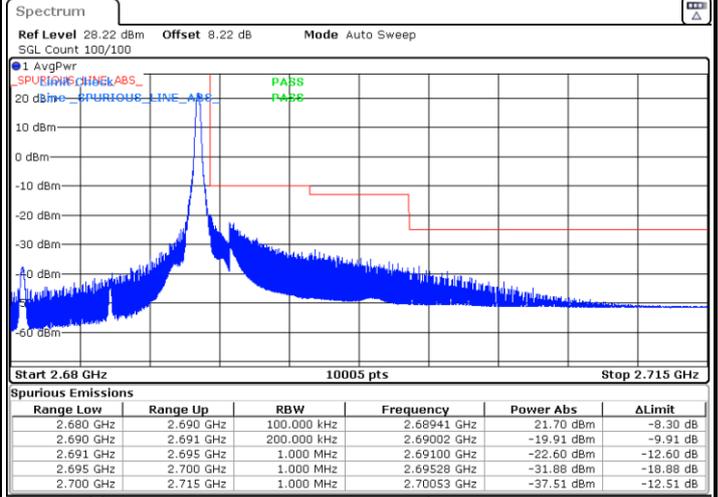
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



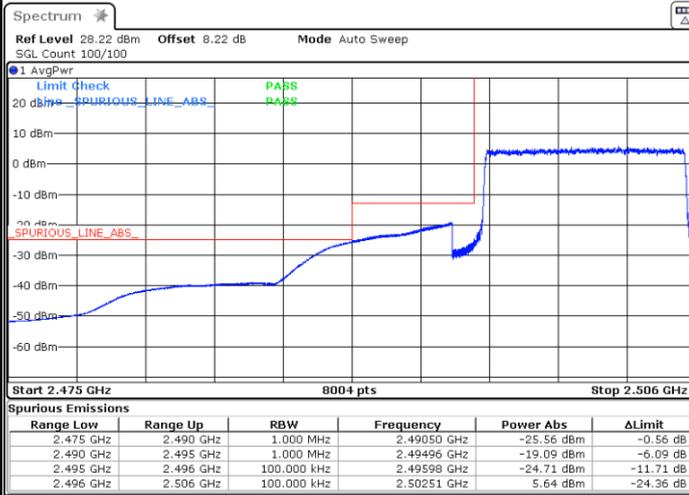
Date: 20.NOV.2024 21:19:39

Highest Band Edge / 1 RB



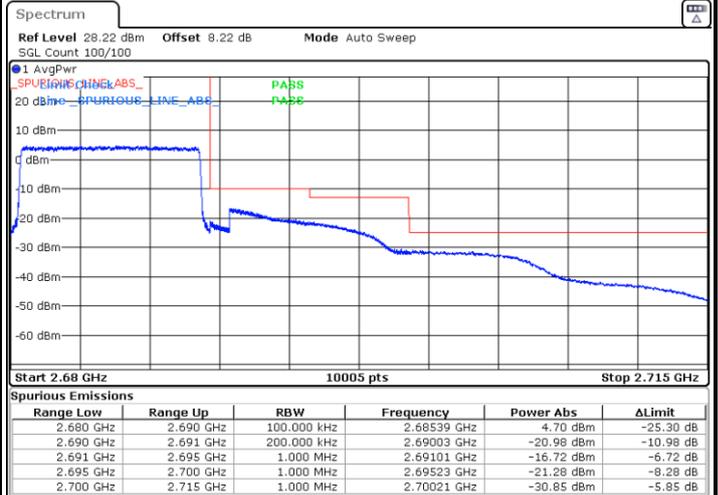
Date: 20.NOV.2024 21:37:24

Lowest Band Edge / Full RB



Date: 21.NOV.2024 00:33:36

Highest Band Edge / Full RB

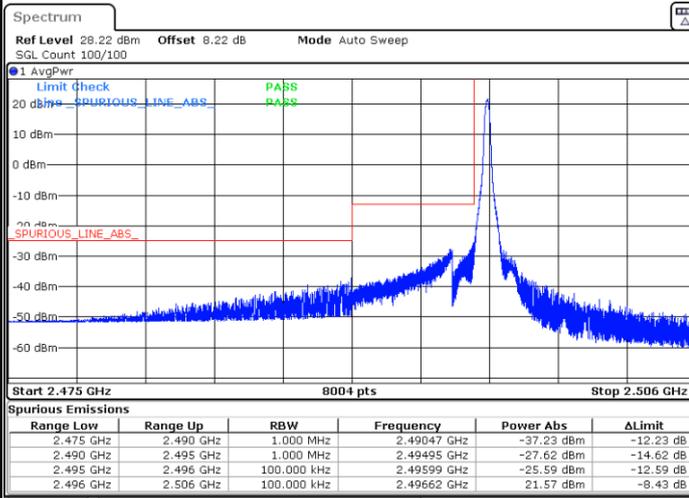


Date: 20.NOV.2024 21:44:49



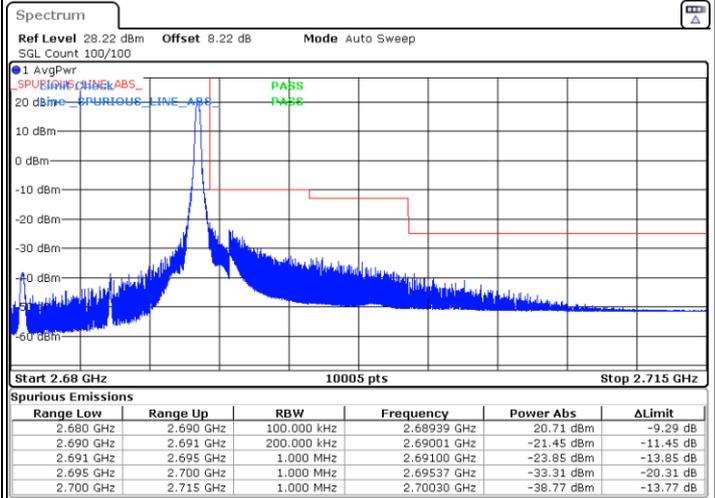
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



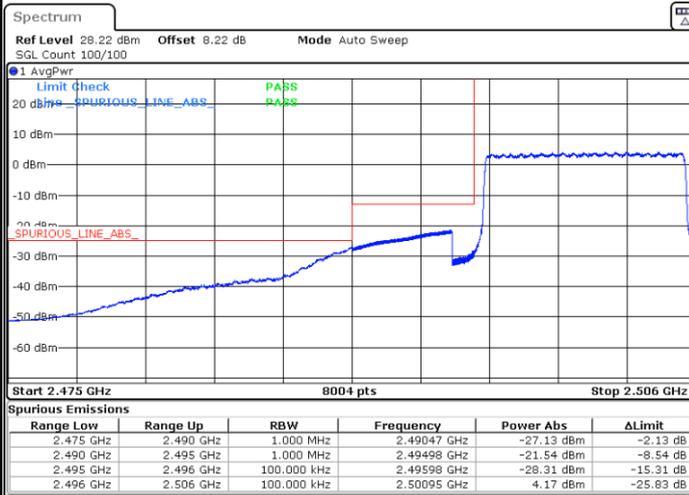
Date: 20.NOV.2024 21:21:32

Highest Band Edge / 1 RB



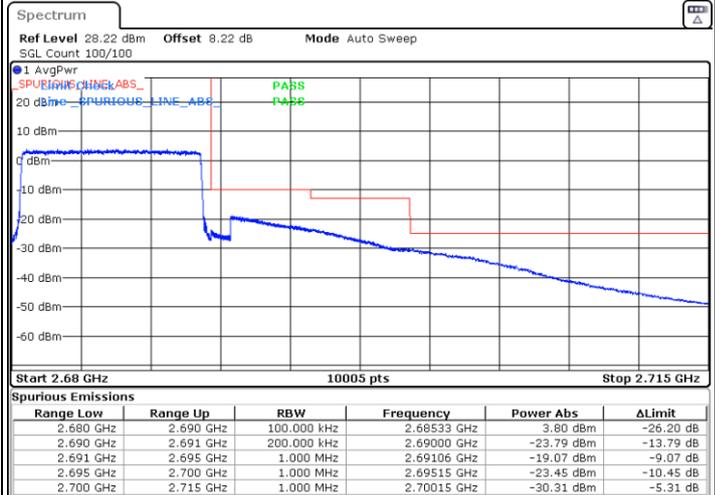
Date: 20.NOV.2024 21:39:15

Lowest Band Edge / Full RB



Date: 20.NOV.2024 21:29:03

Highest Band Edge / Full RB

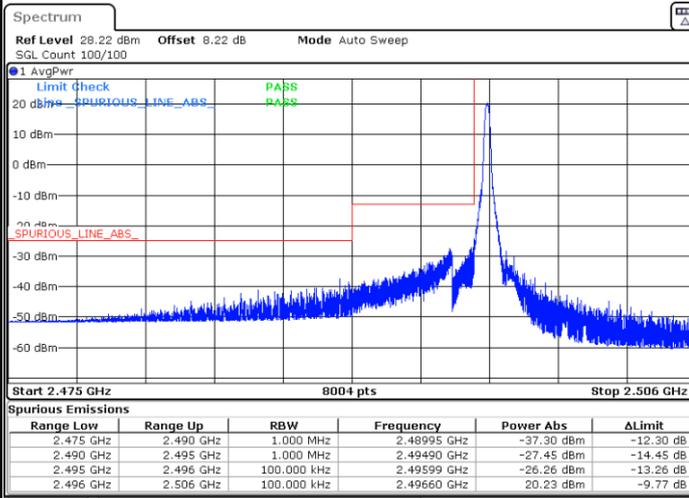


Date: 20.NOV.2024 21:46:40



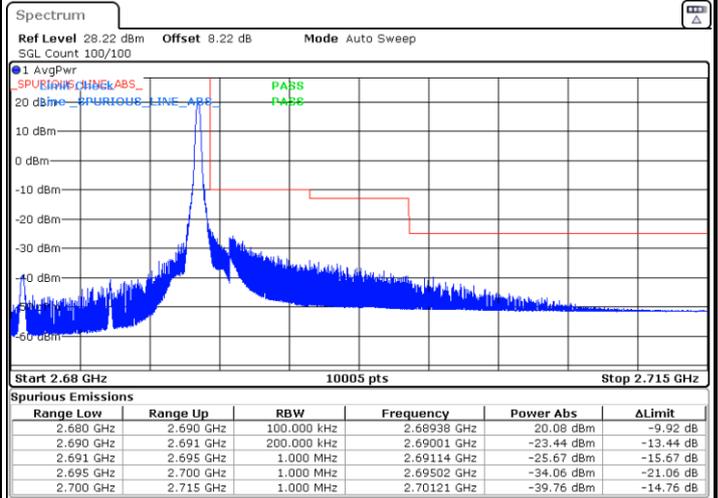
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



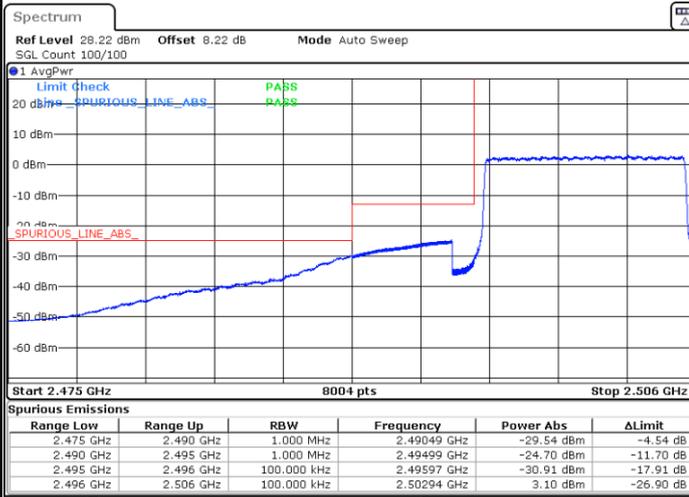
Date: 20.NOV.2024 21:23:25

Highest Band Edge / 1 RB



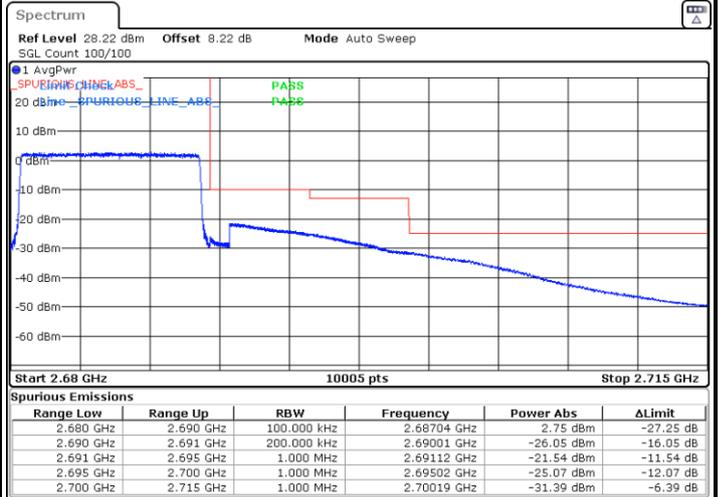
Date: 20.NOV.2024 21:41:07

Lowest Band Edge / Full RB



Date: 20.NOV.2024 21:30:56

Highest Band Edge / Full RB

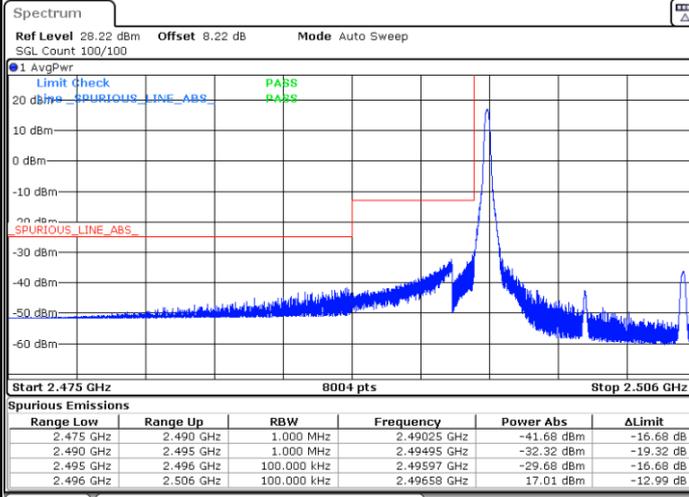


Date: 20.NOV.2024 21:48:32



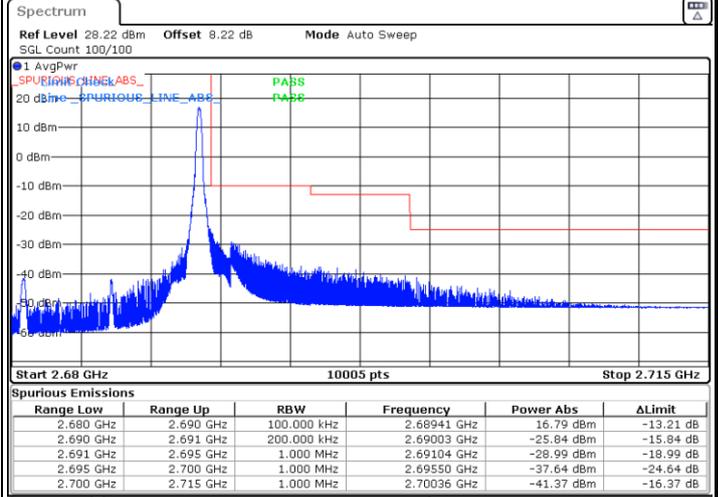
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1RB



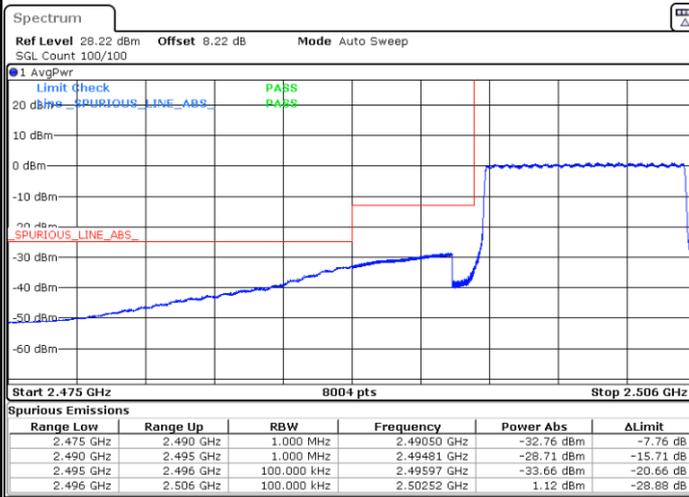
Date: 20.NOV.2024 21:25:18

Highest Band Edge / 1 RB



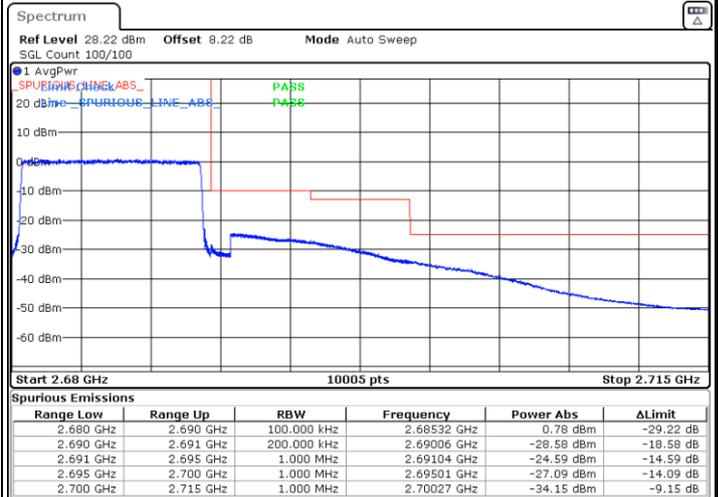
Date: 20.NOV.2024 21:42:58

Lowest Band Edge / Full RB



Date: 20.NOV.2024 21:32:49

Highest Band Edge / Full RB

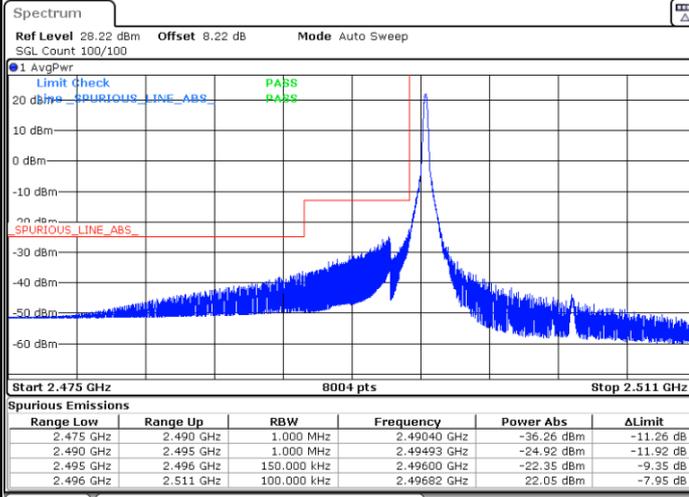


Date: 20.NOV.2024 21:50:23



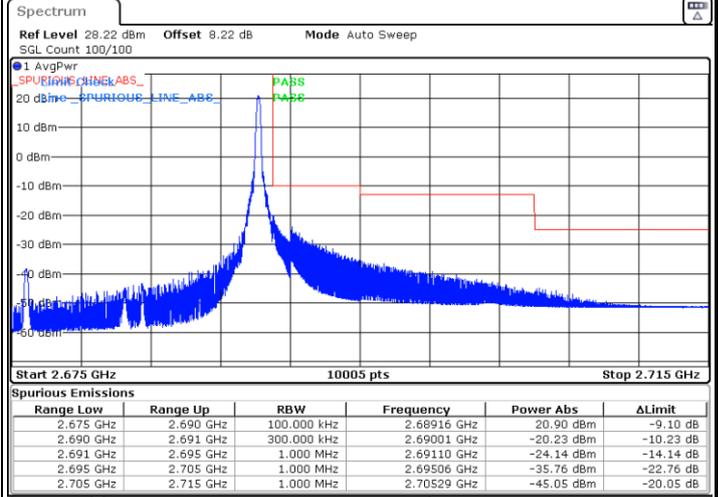
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



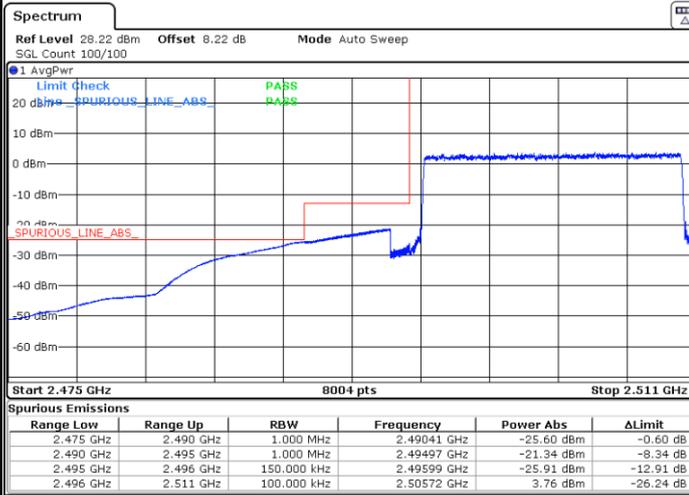
Date: 20.NOV.2024 21:53:39

Highest Band Edge / 1 RB



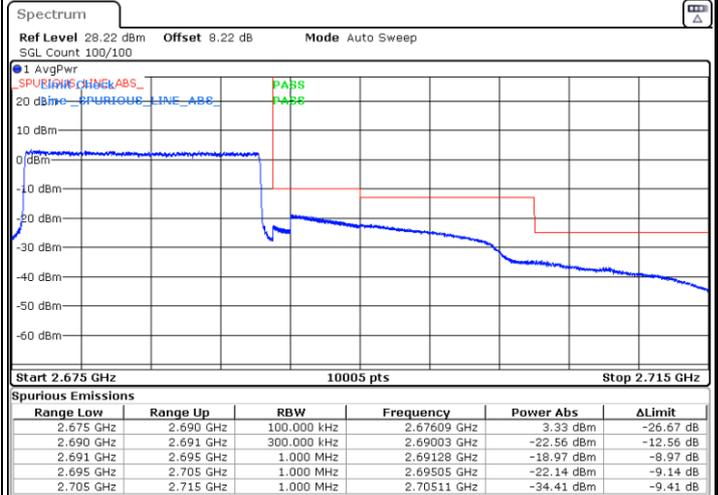
Date: 20.NOV.2024 22:11:24

Lowest Band Edge / Full RB



Date: 21.NOV.2024 00:59:36

Highest Band Edge / Full RB

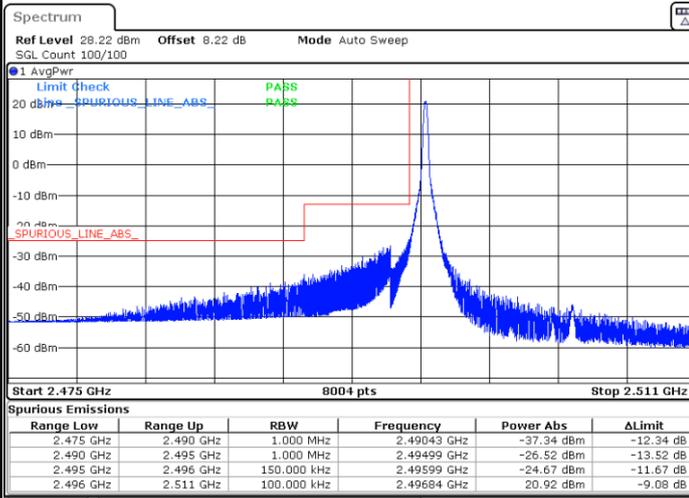


Date: 20.NOV.2024 22:18:49



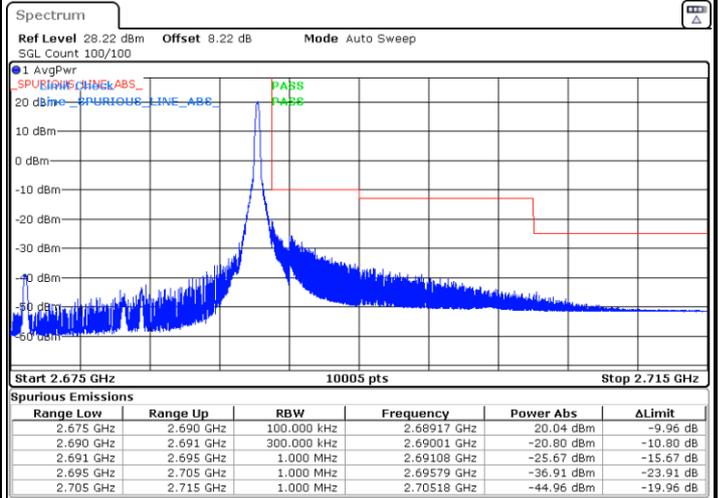
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



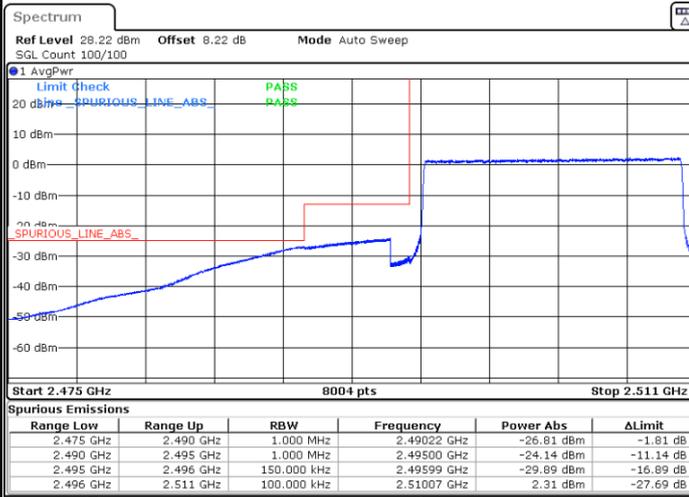
Date: 20.NOV.2024 21:55:32

Highest Band Edge / 1 RB



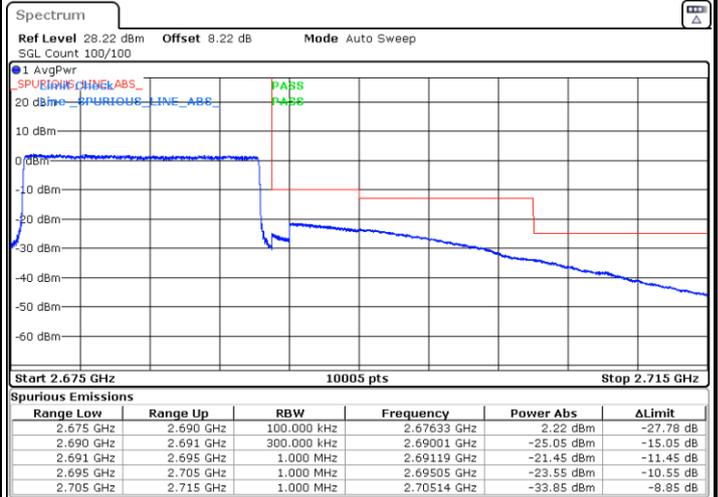
Date: 20.NOV.2024 22:13:15

Lowest Band Edge / Full RB



Date: 20.NOV.2024 22:03:03

Highest Band Edge / Full RB

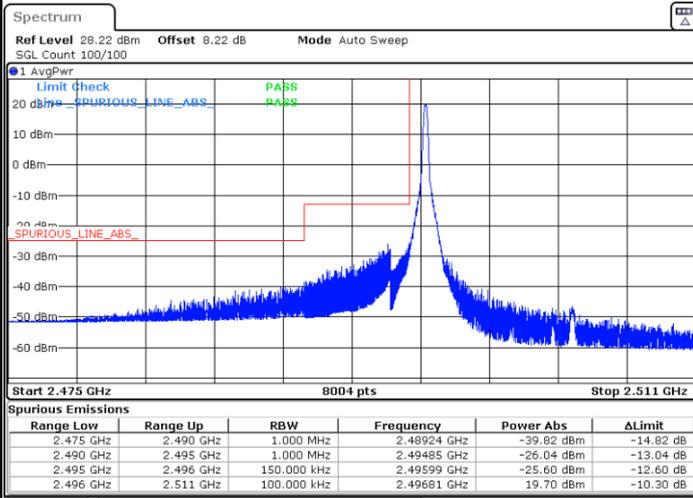


Date: 20.NOV.2024 22:20:40



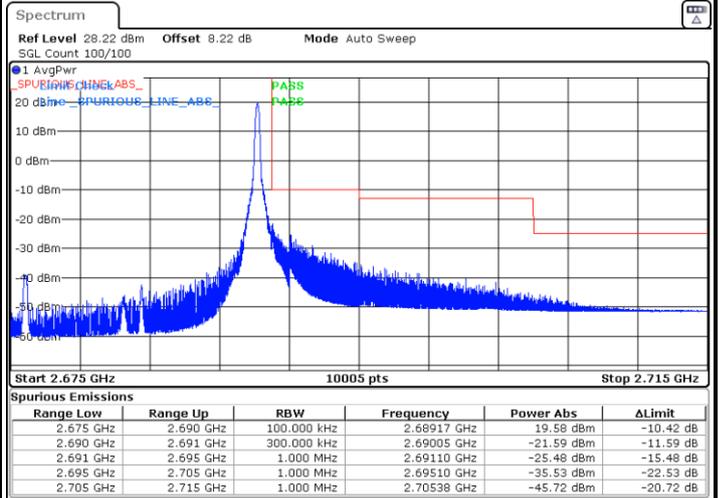
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



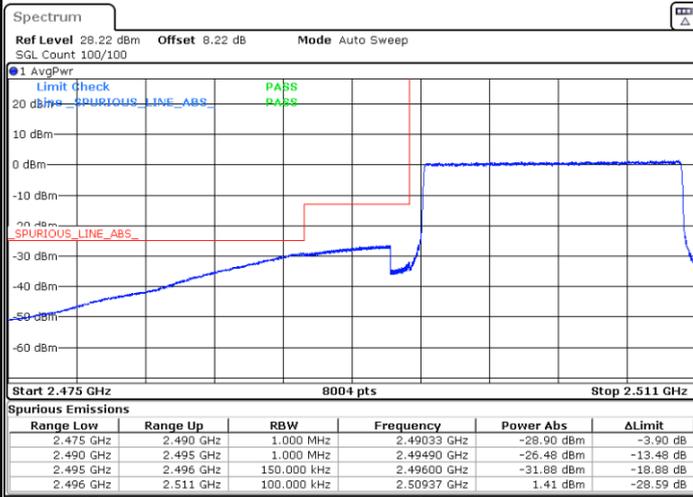
Date: 20.NOV.2024 21:57:25

Highest Band Edge / 1 RB



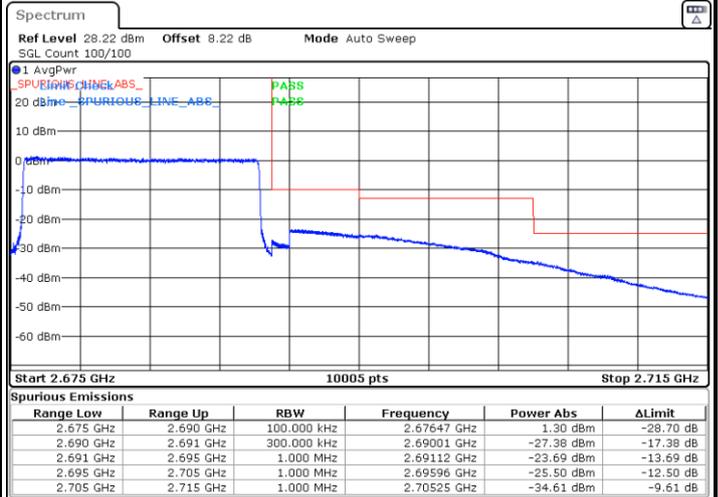
Date: 20.NOV.2024 22:15:06

Lowest Band Edge / Full RB



Date: 20.NOV.2024 22:04:56

Highest Band Edge / Full RB

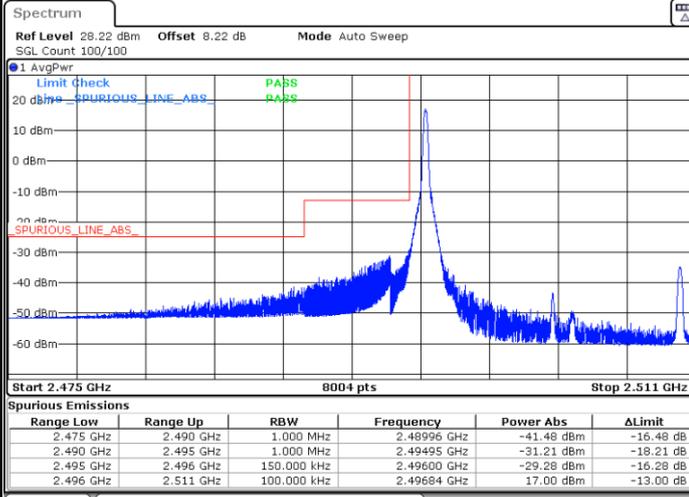


Date: 20.NOV.2024 22:22:31



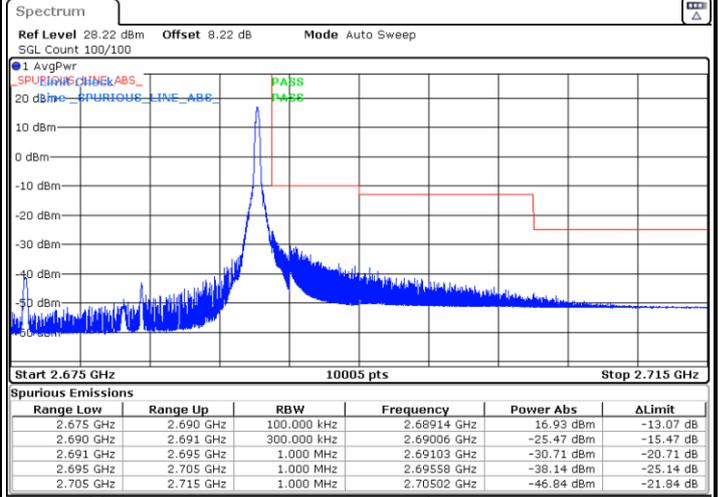
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1RB



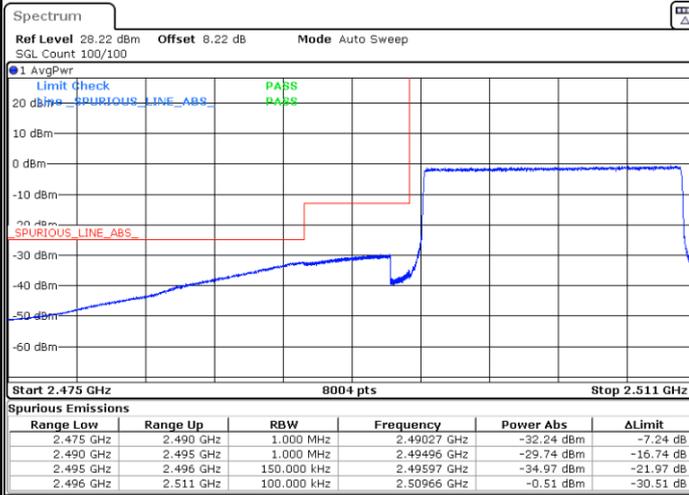
Date: 20.NOV.2024 21:59:18

Highest Band Edge / 1 RB



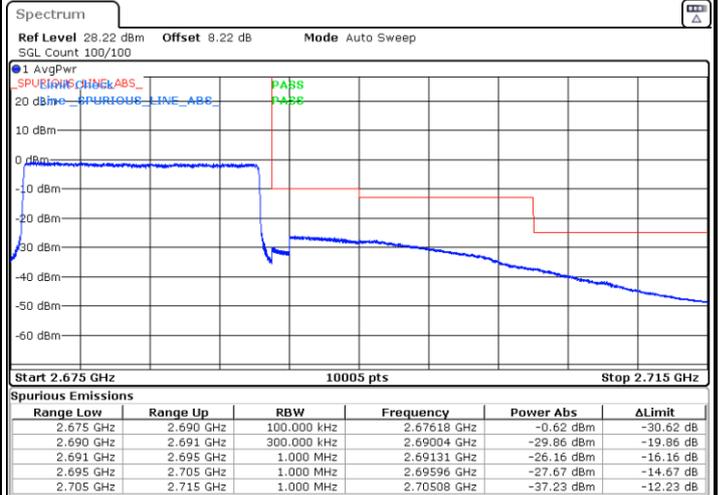
Date: 20.NOV.2024 22:16:57

Lowest Band Edge / Full RB



Date: 20.NOV.2024 22:06:49

Highest Band Edge / Full RB



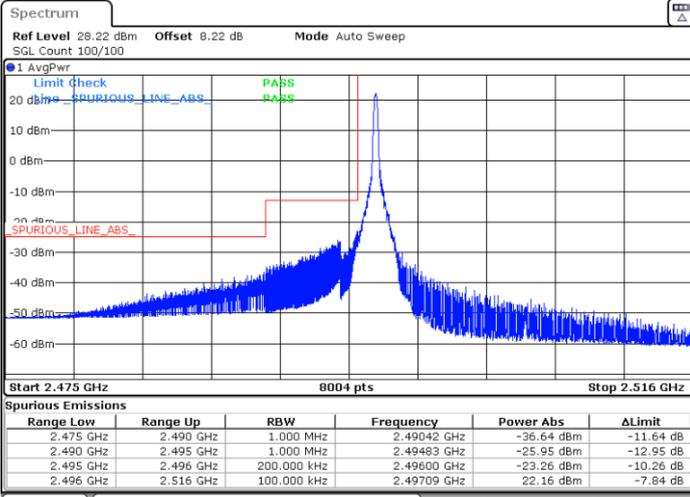
Date: 20.NOV.2024 22:24:22



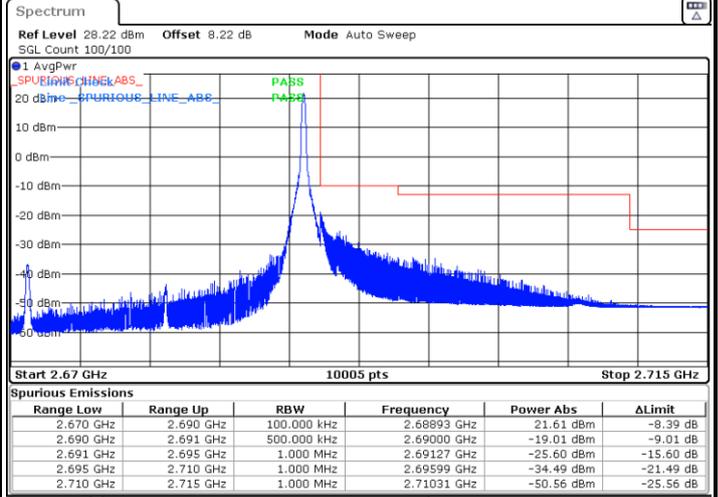
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 20.NOV.2024 22:27:38



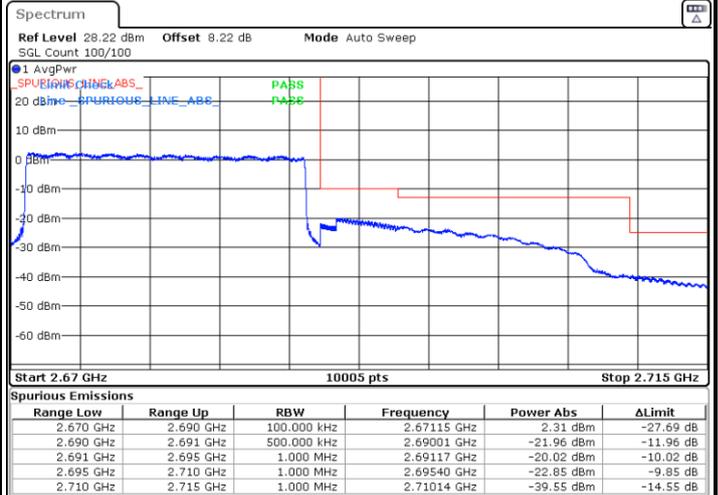
Date: 20.NOV.2024 22:45:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20.NOV.2024 22:35:10

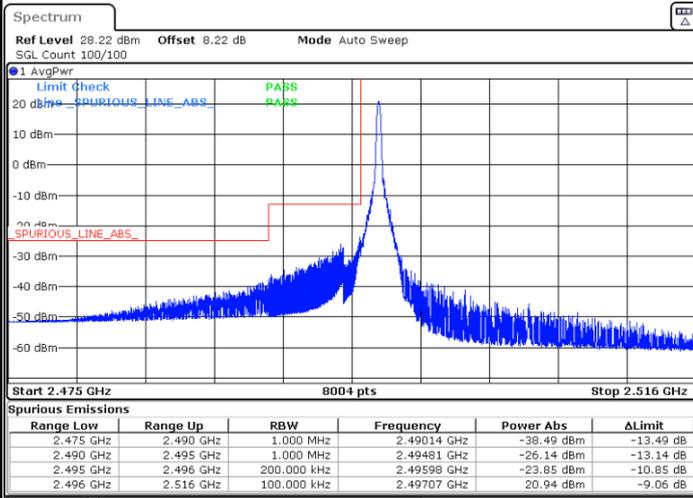


Date: 20.NOV.2024 22:52:49



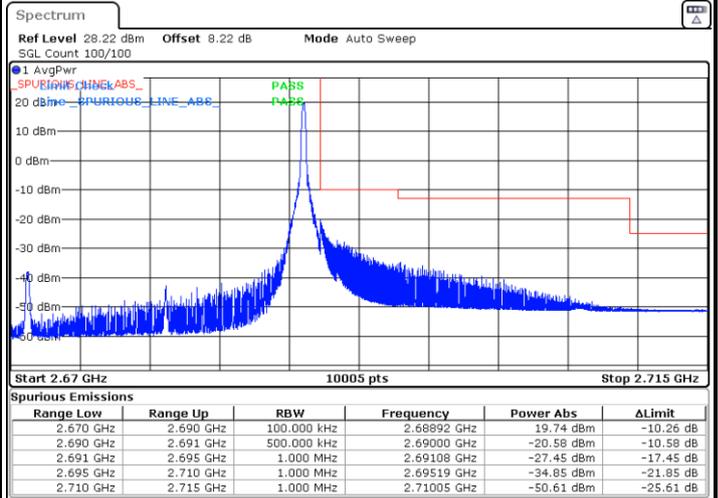
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



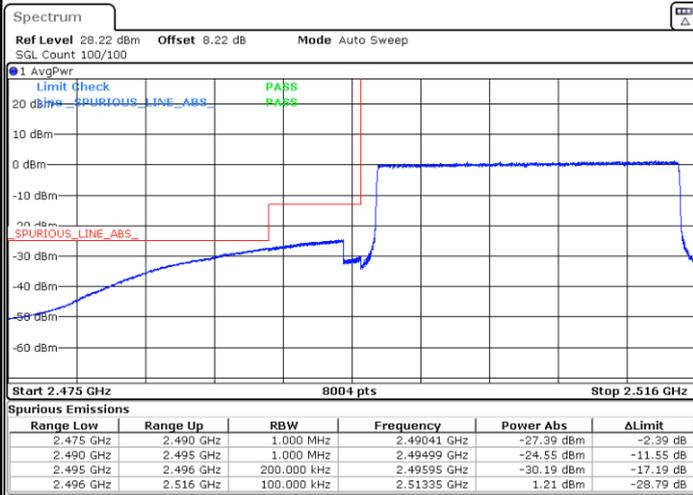
Date: 20.NOV.2024 22:29:31

Highest Band Edge / 1 RB



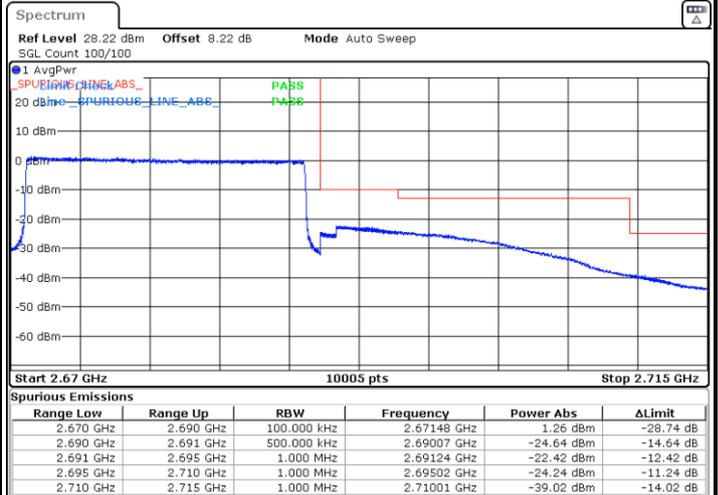
Date: 20.NOV.2024 22:47:15

Lowest Band Edge / Full RB



Date: 20.NOV.2024 22:37:02

Highest Band Edge / Full RB

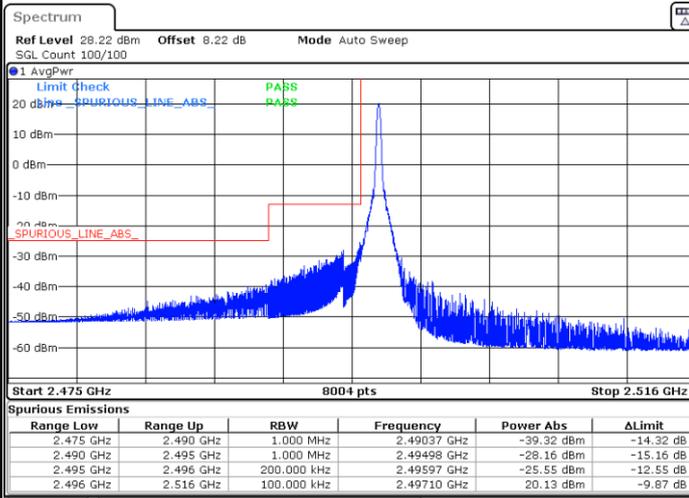


Date: 20.NOV.2024 22:54:40



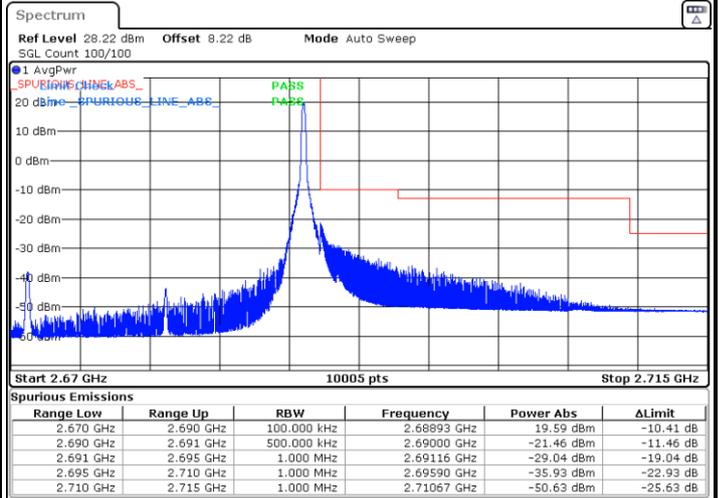
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



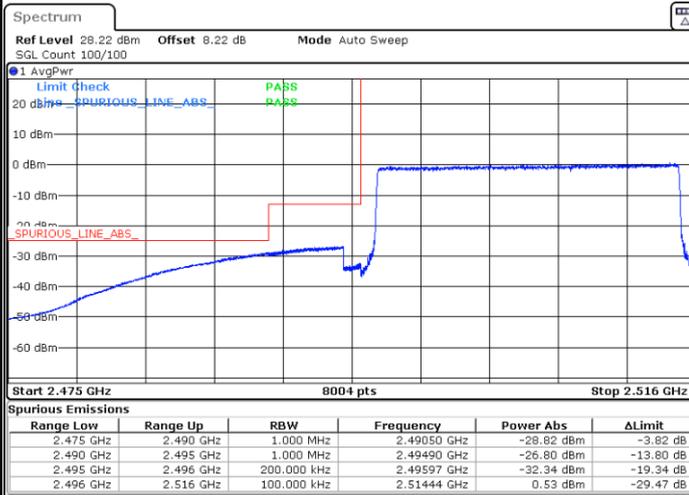
Date: 20.NOV.2024 22:31:24

Highest Band Edge / 1 RB



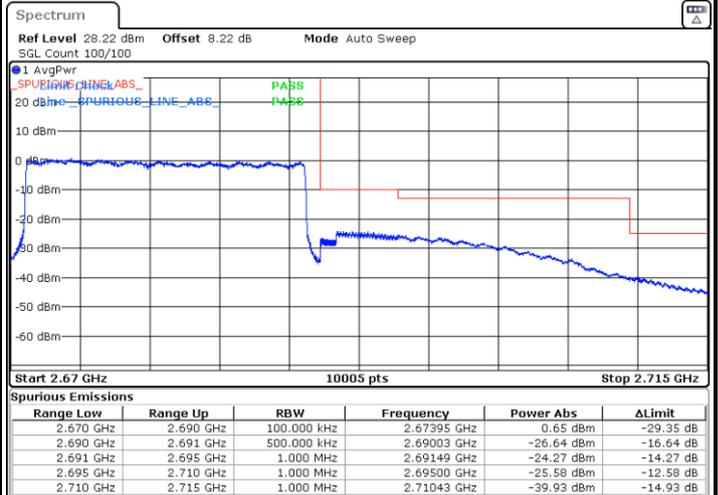
Date: 20.NOV.2024 22:49:06

Lowest Band Edge / Full RB



Date: 20.NOV.2024 22:38:55

Highest Band Edge / Full RB

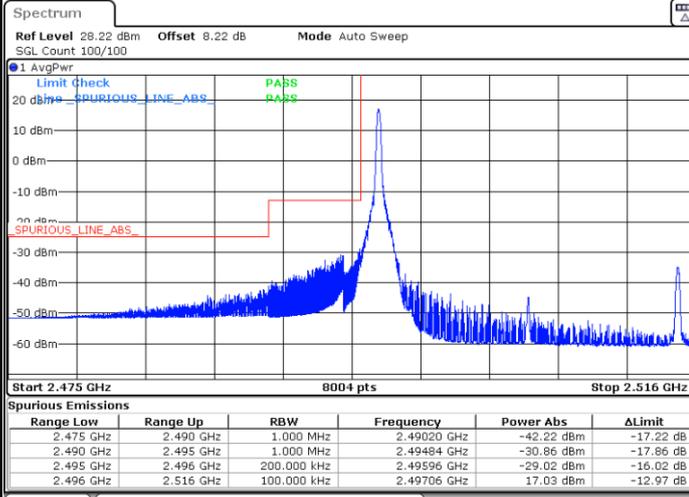


Date: 20.NOV.2024 22:56:31



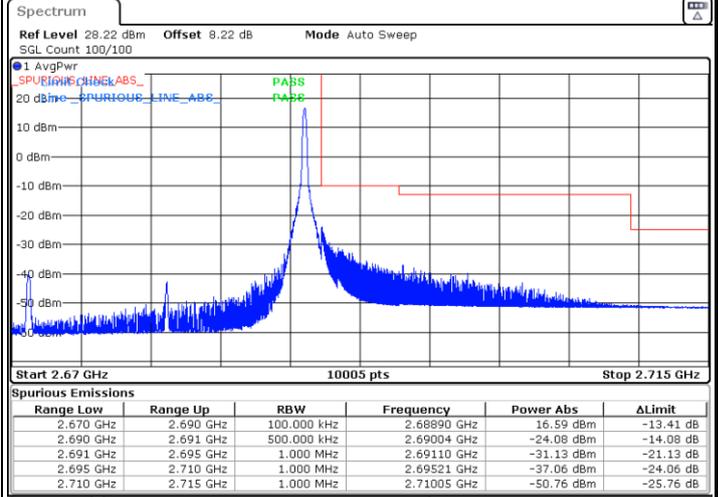
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1RB



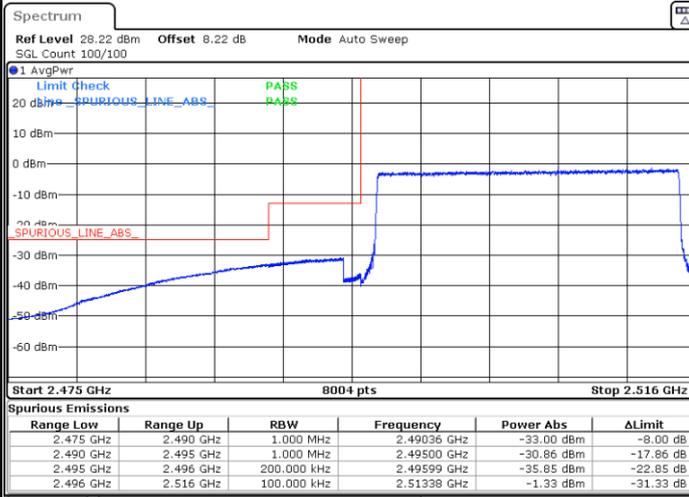
Date: 20.NOV.2024 22:33:17

Highest Band Edge / 1 RB



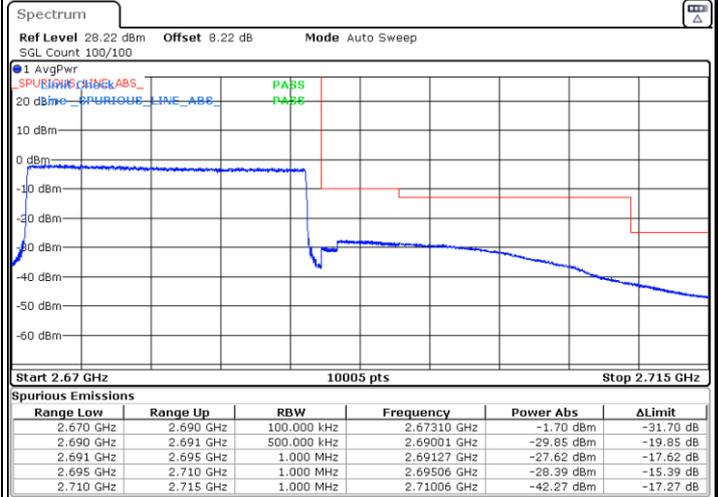
Date: 20.NOV.2024 22:50:58

Lowest Band Edge / Full RB



Date: 20.NOV.2024 22:40:48

Highest Band Edge / Full RB



Date: 20.NOV.2024 22:58:22



Conducted Spurious Emission

